

WIRING DIAGRAMS

High **PROTEC** | PROTECTION TECHNOLOGY
MADE SIMPLE

MCDGV4 | Generator Protection

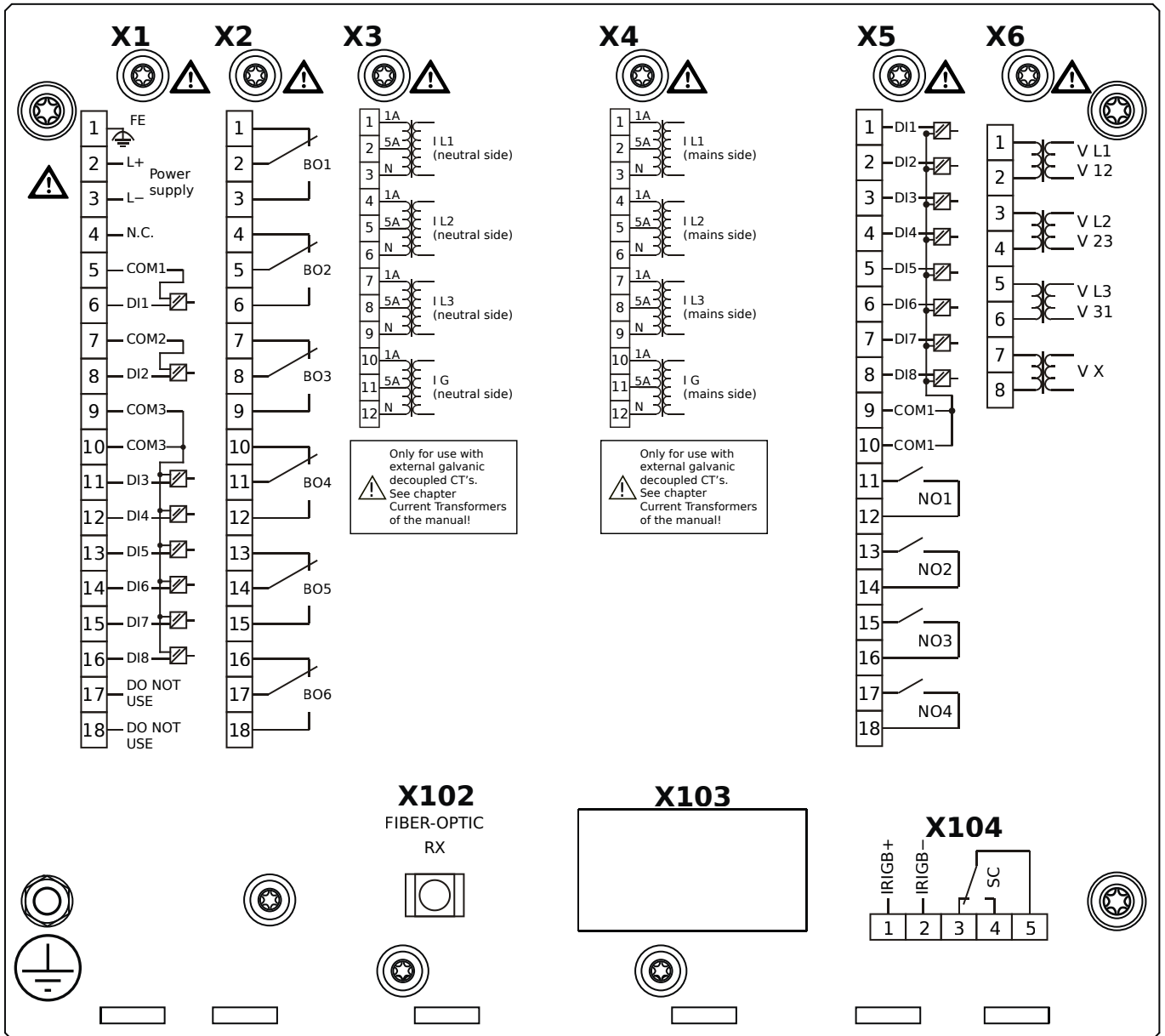
Version: 3.11

Original document

English

This document does not replace the Technical Manual.

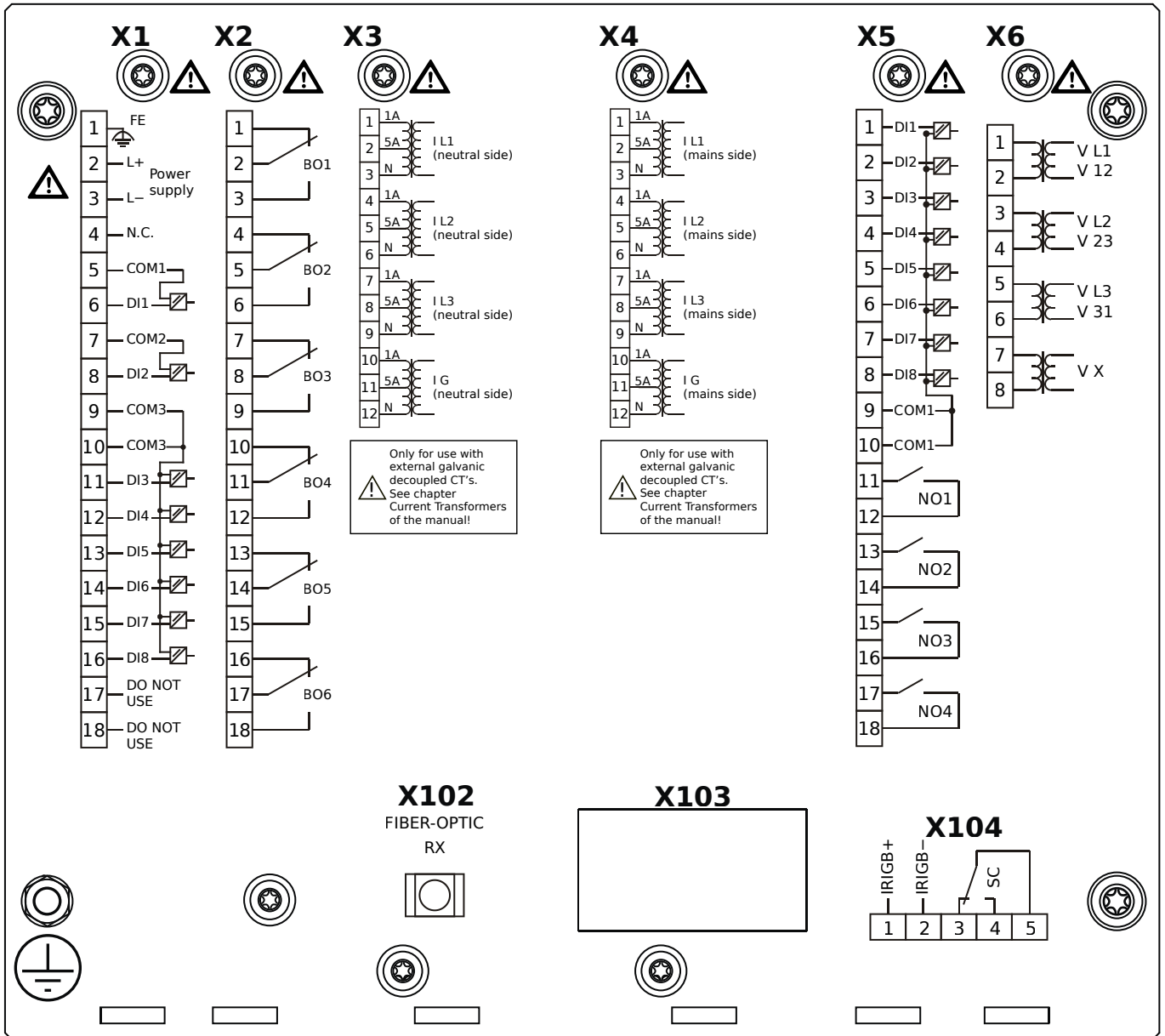
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Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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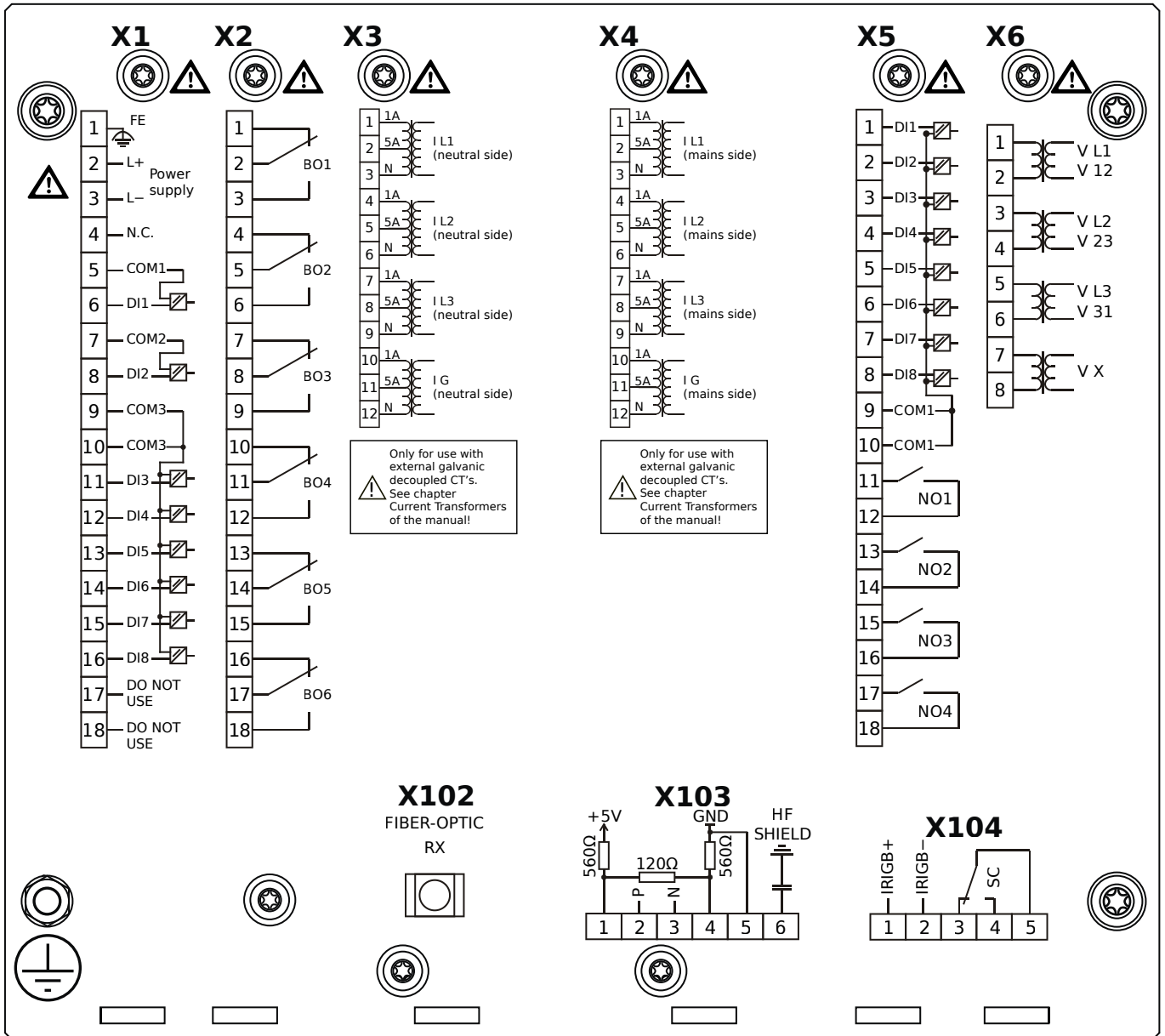


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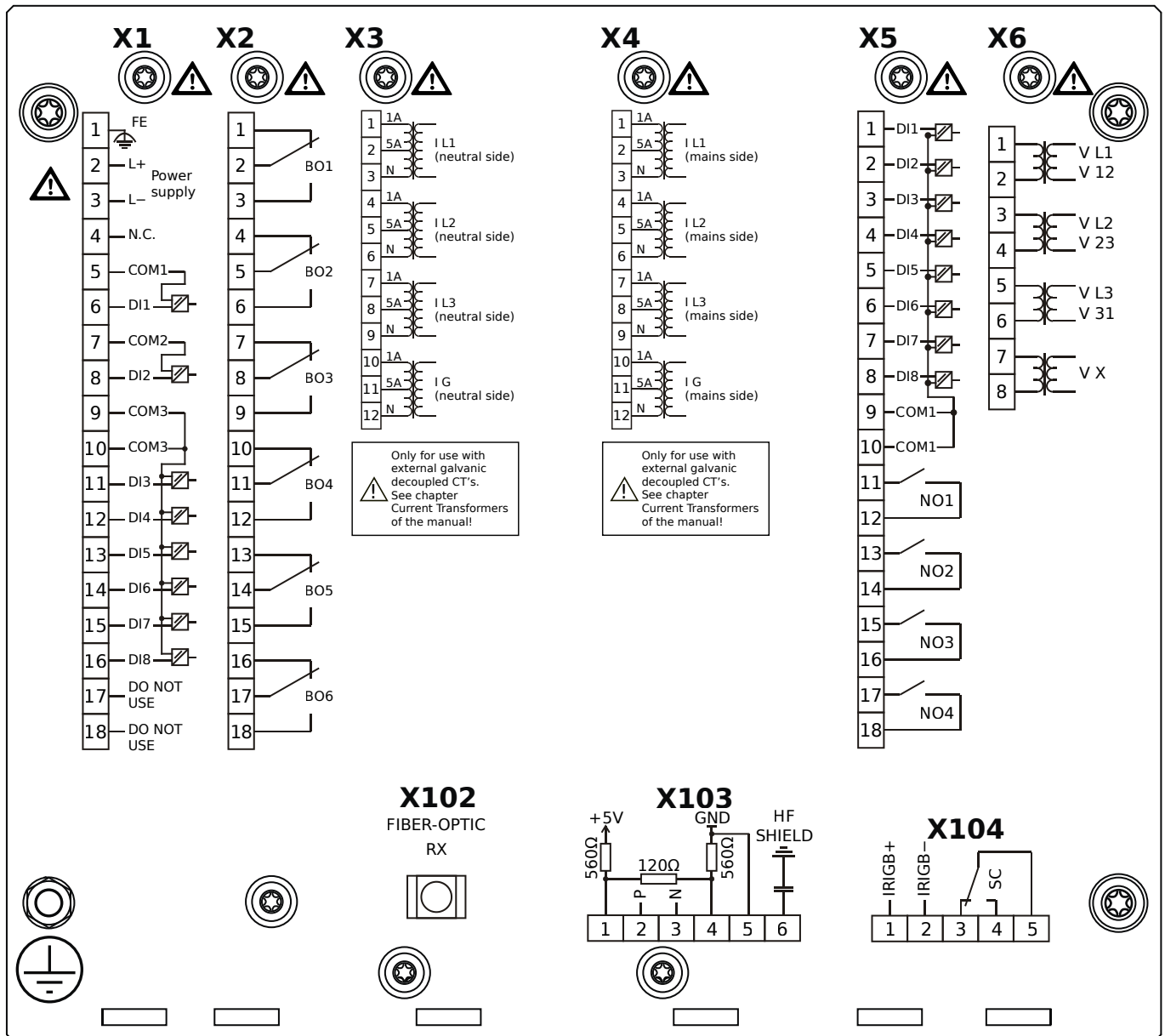
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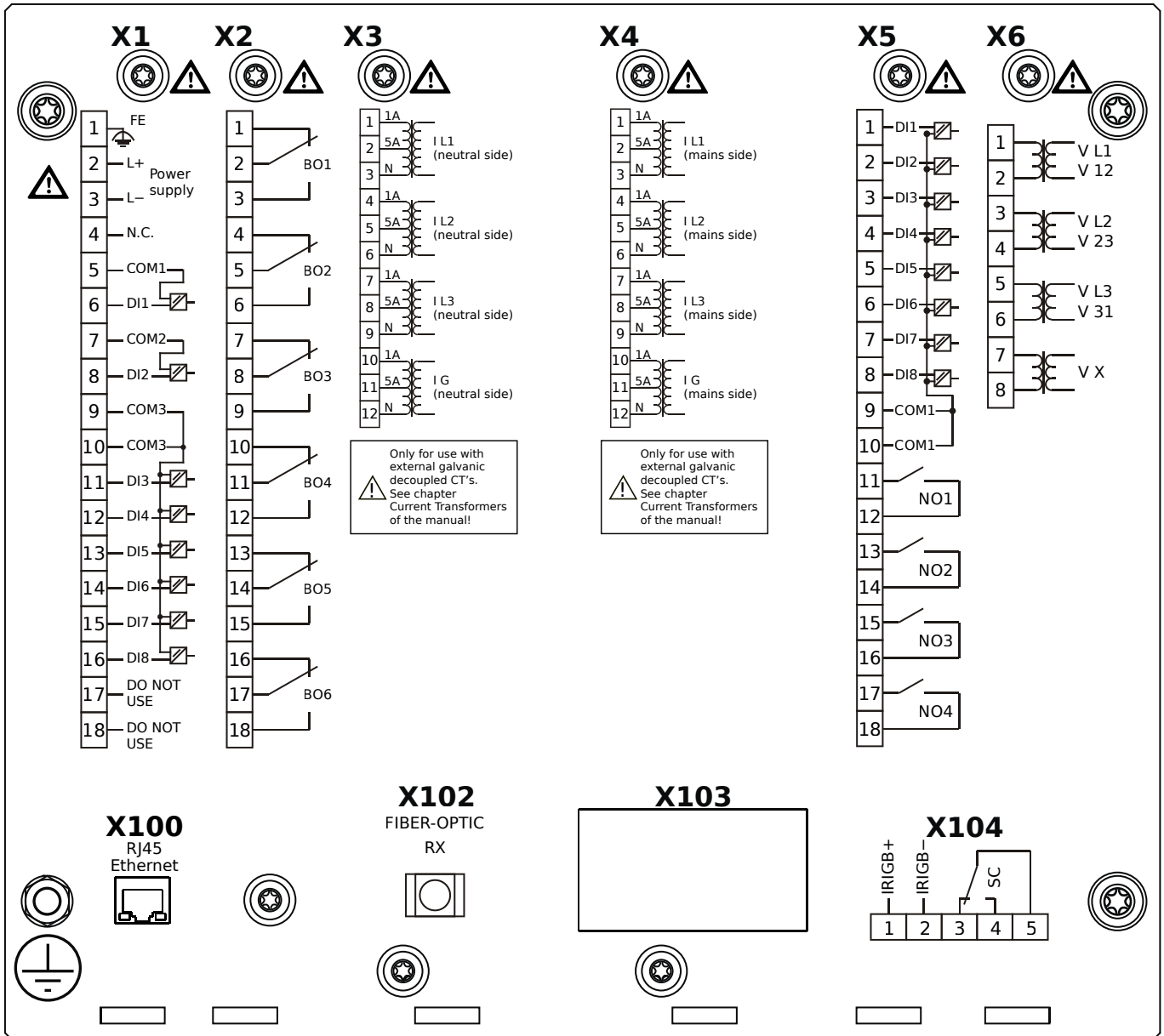


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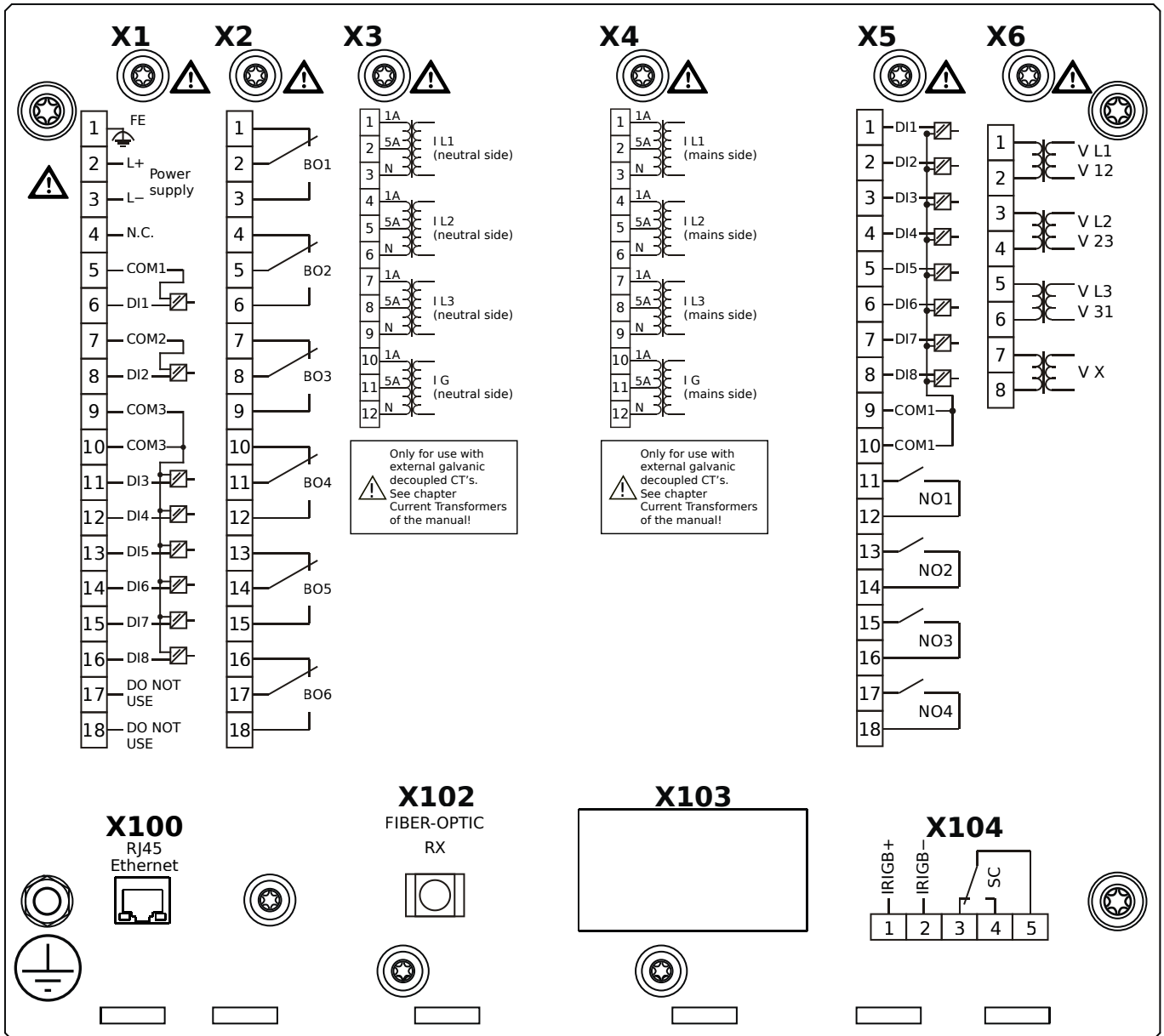
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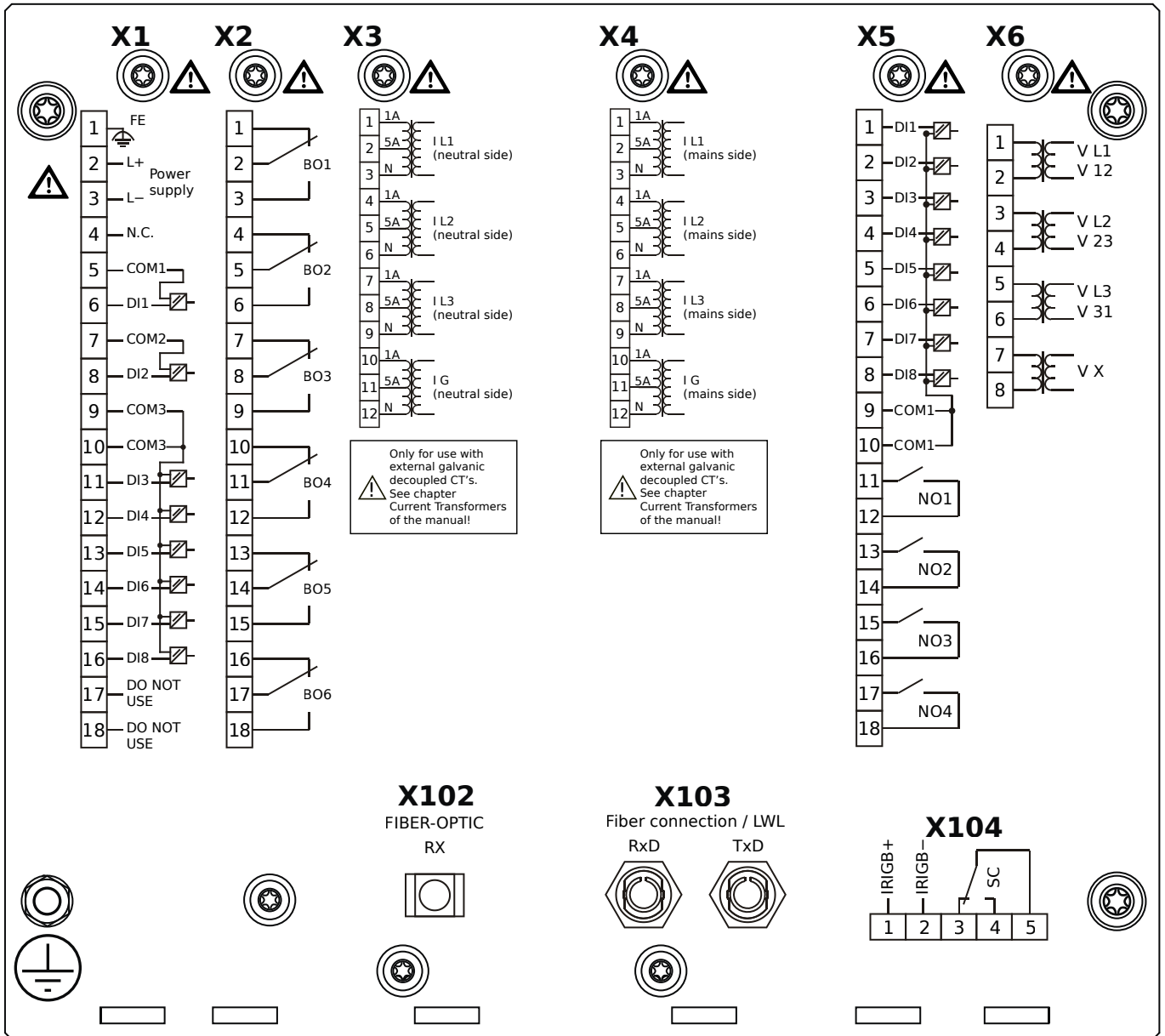


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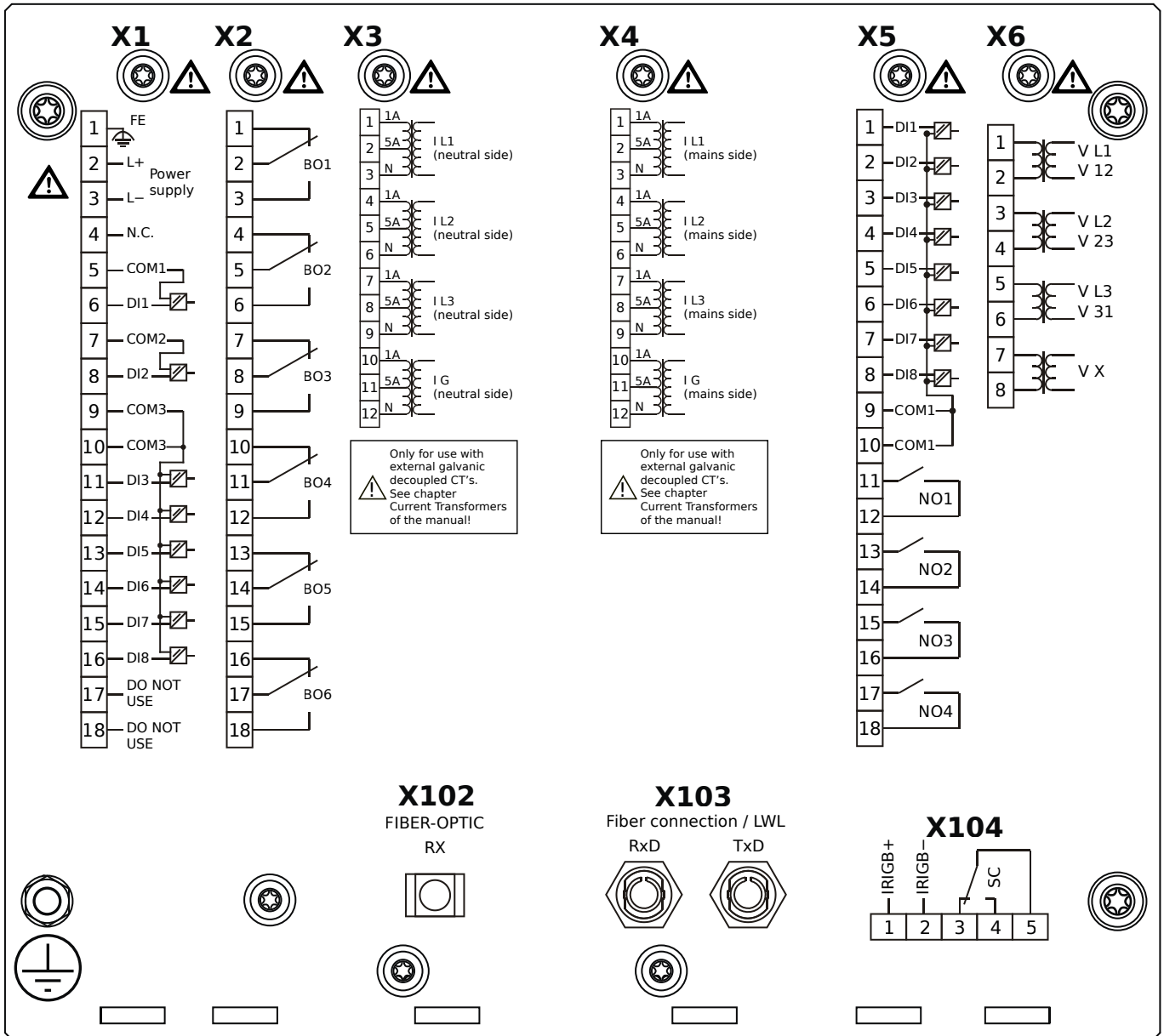
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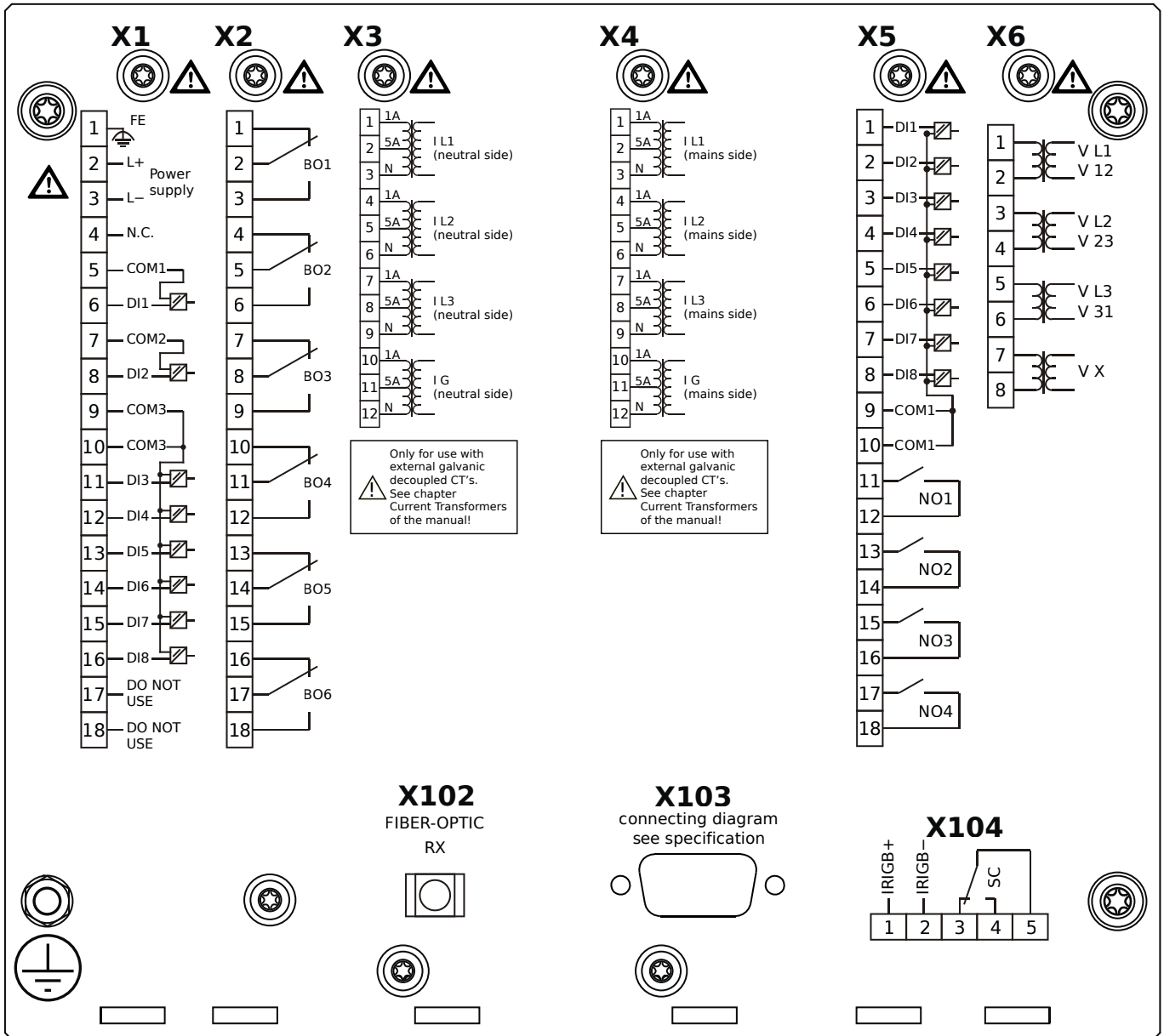


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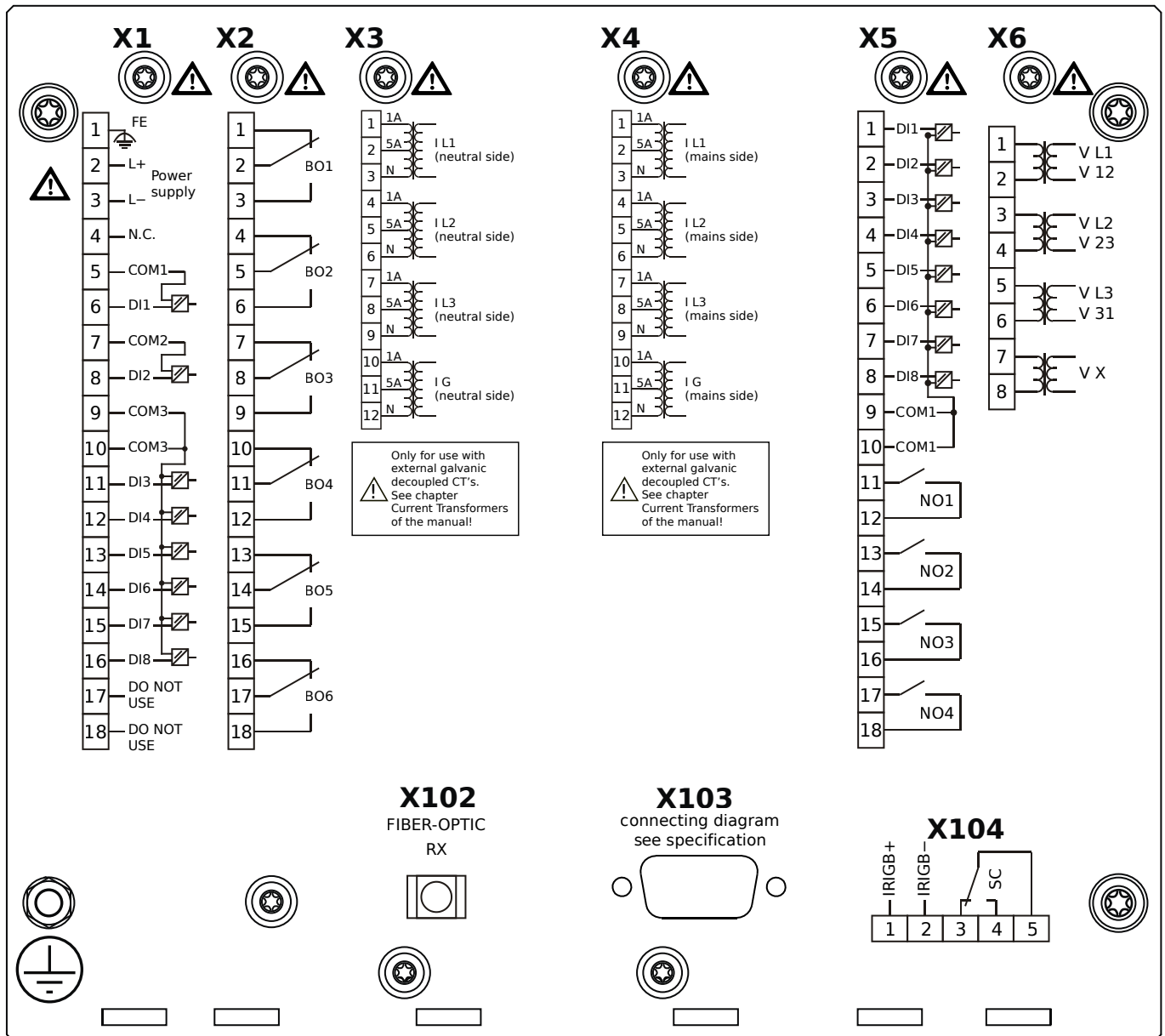
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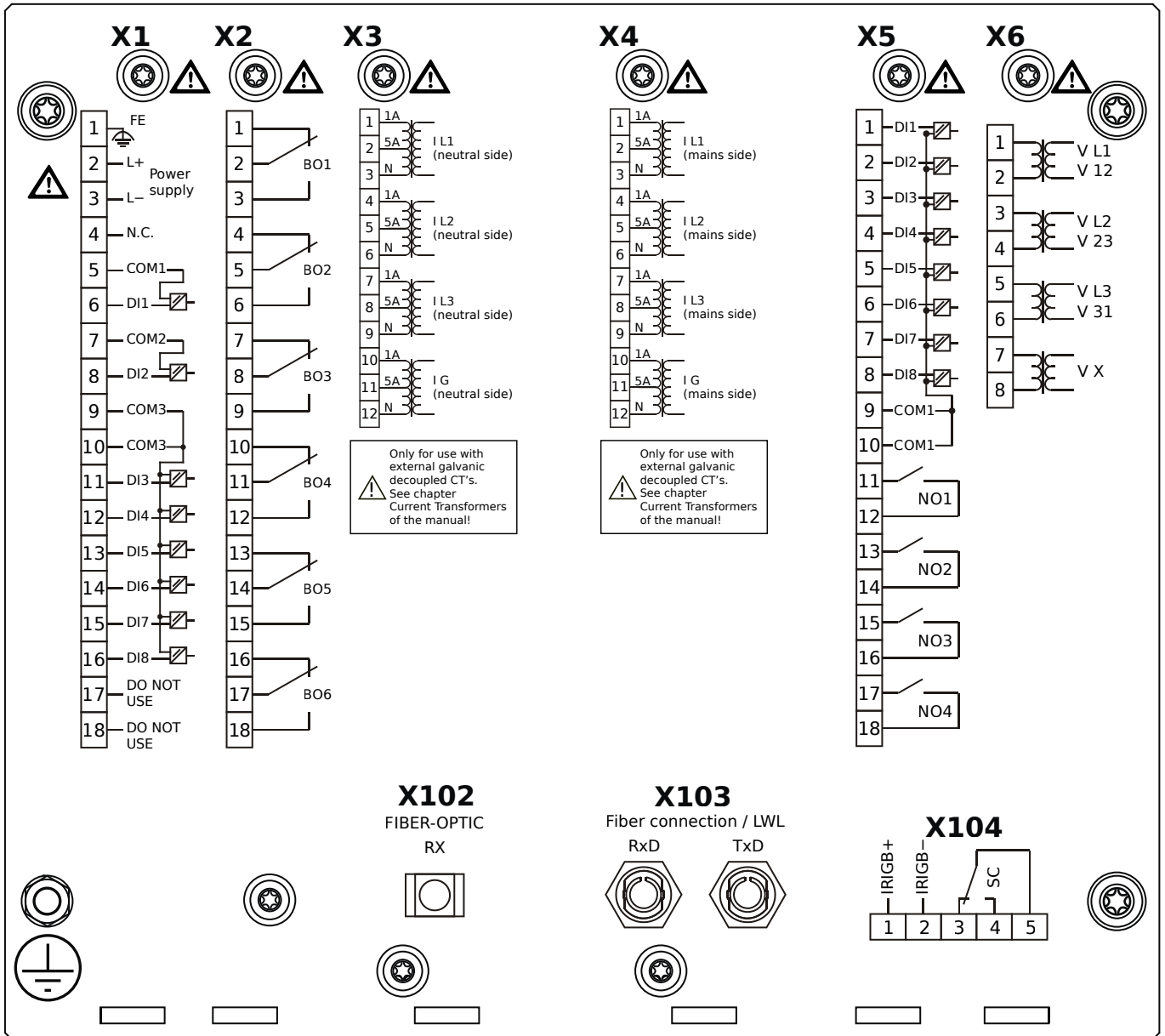


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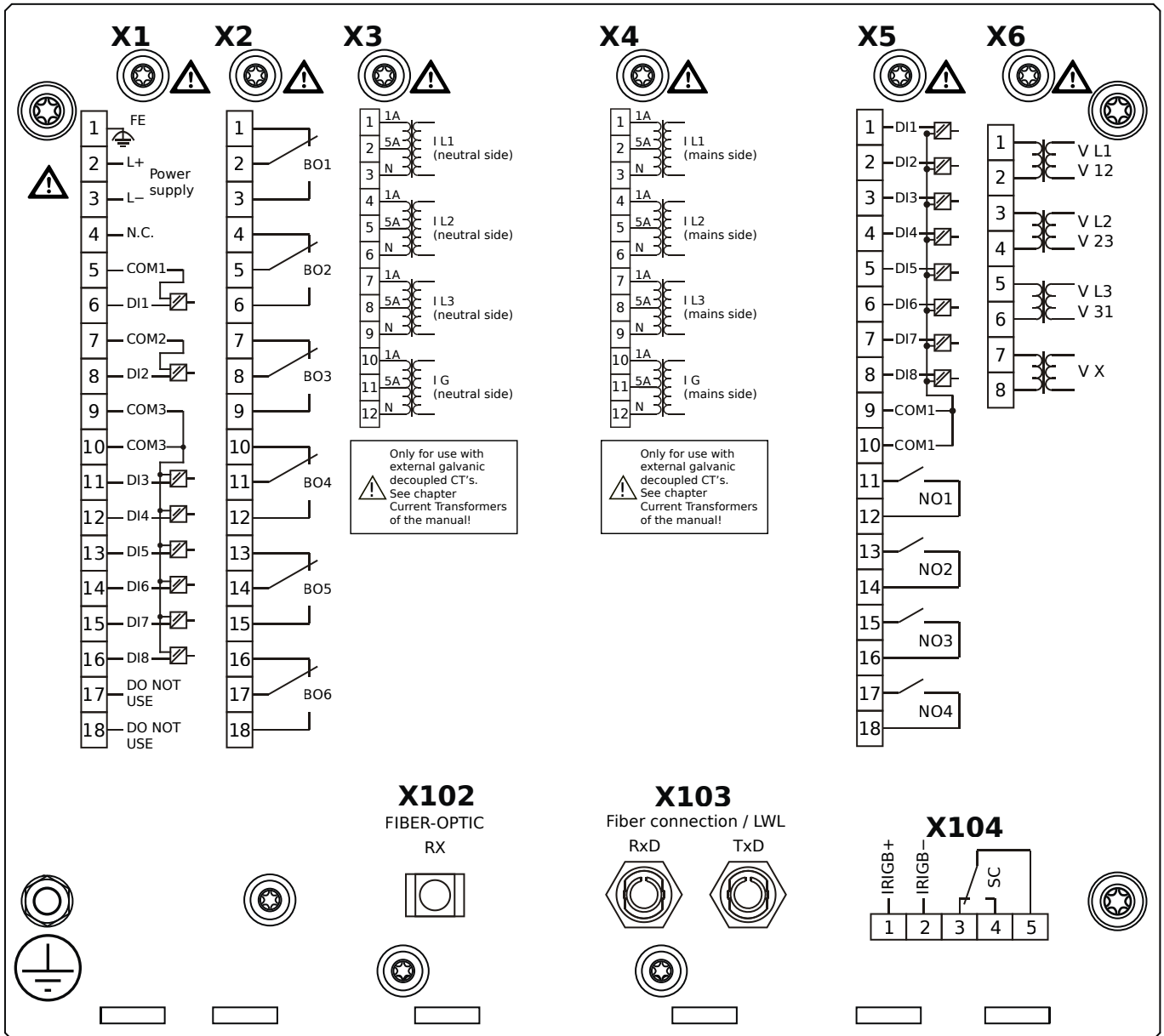
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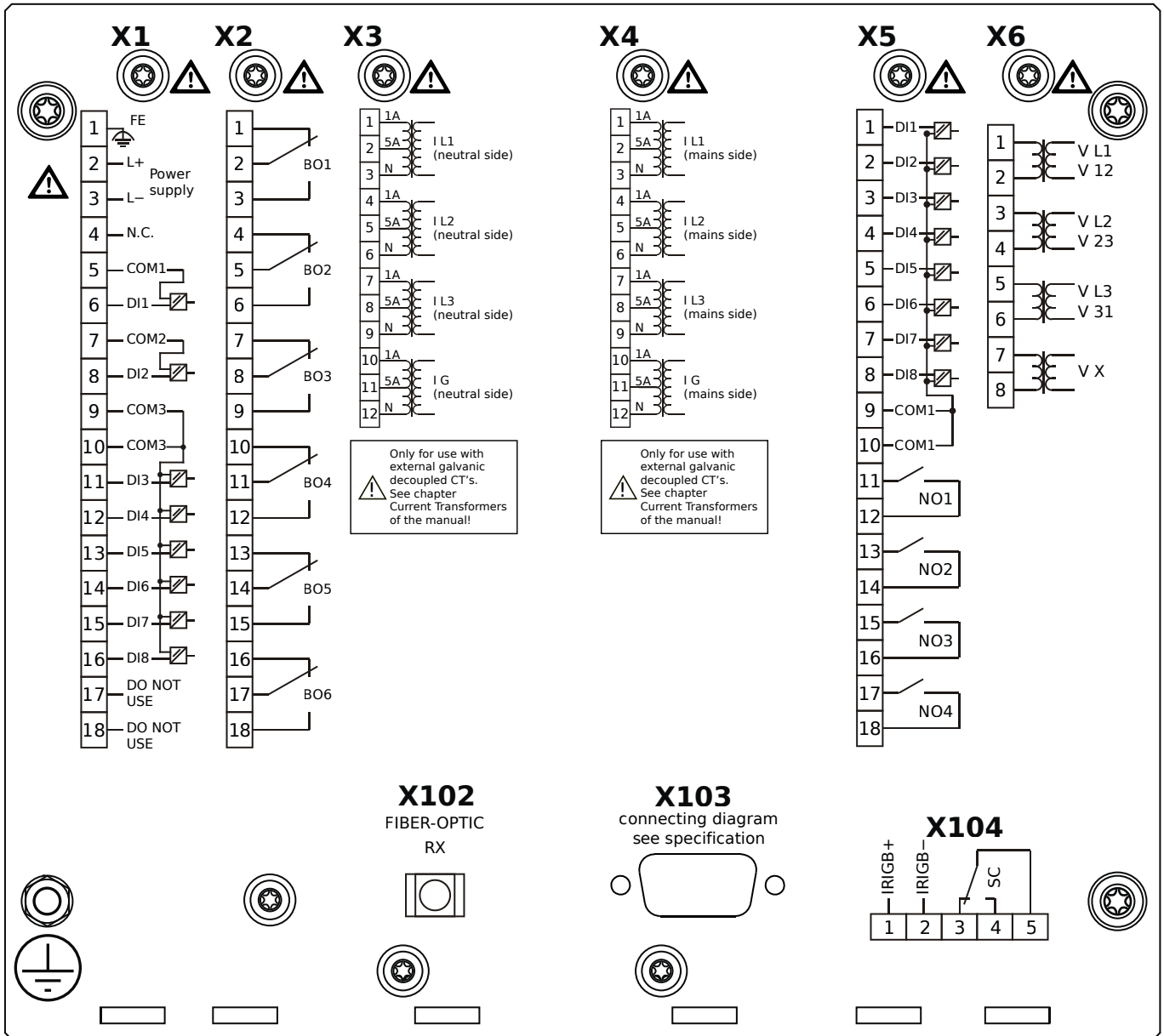


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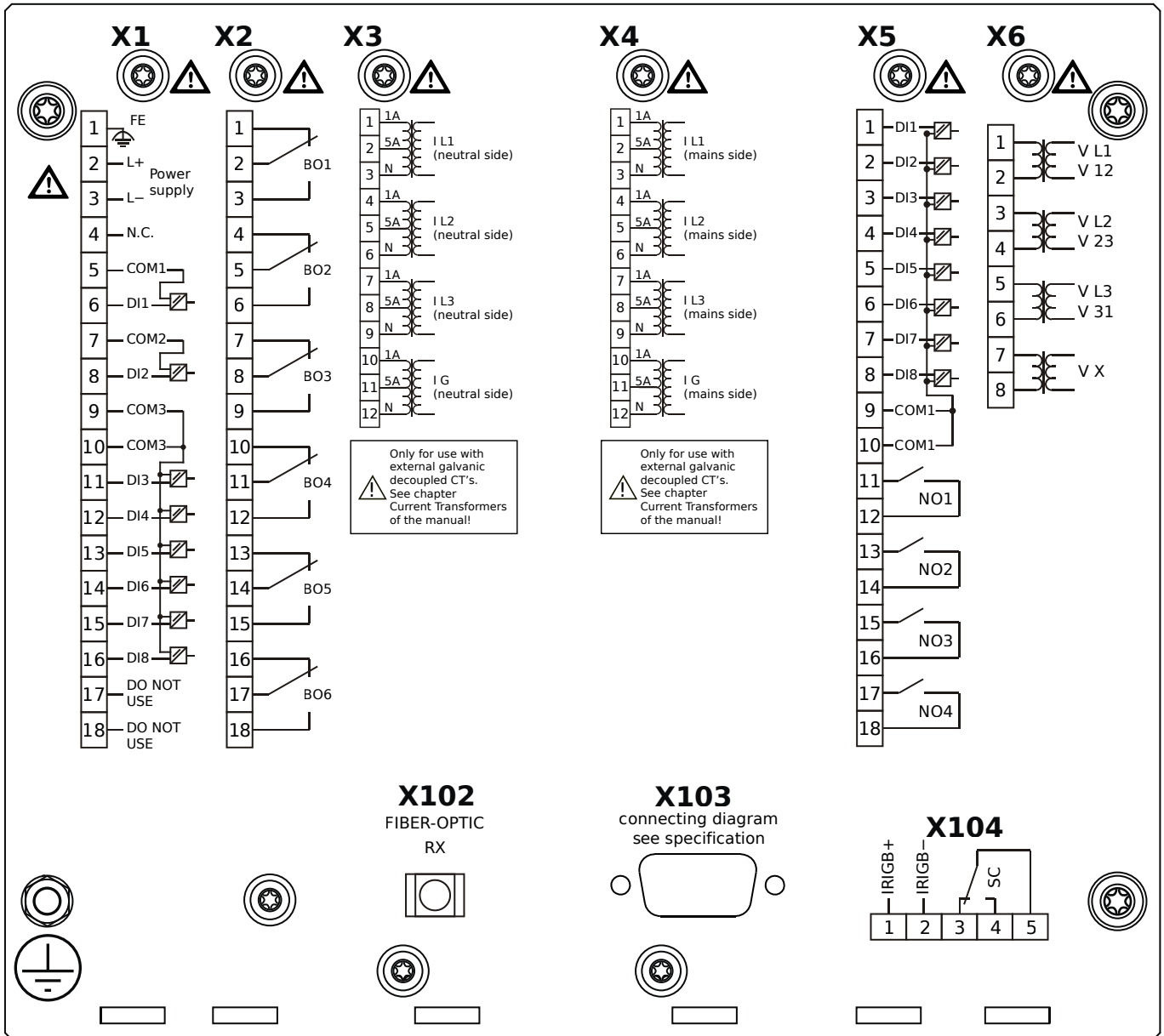
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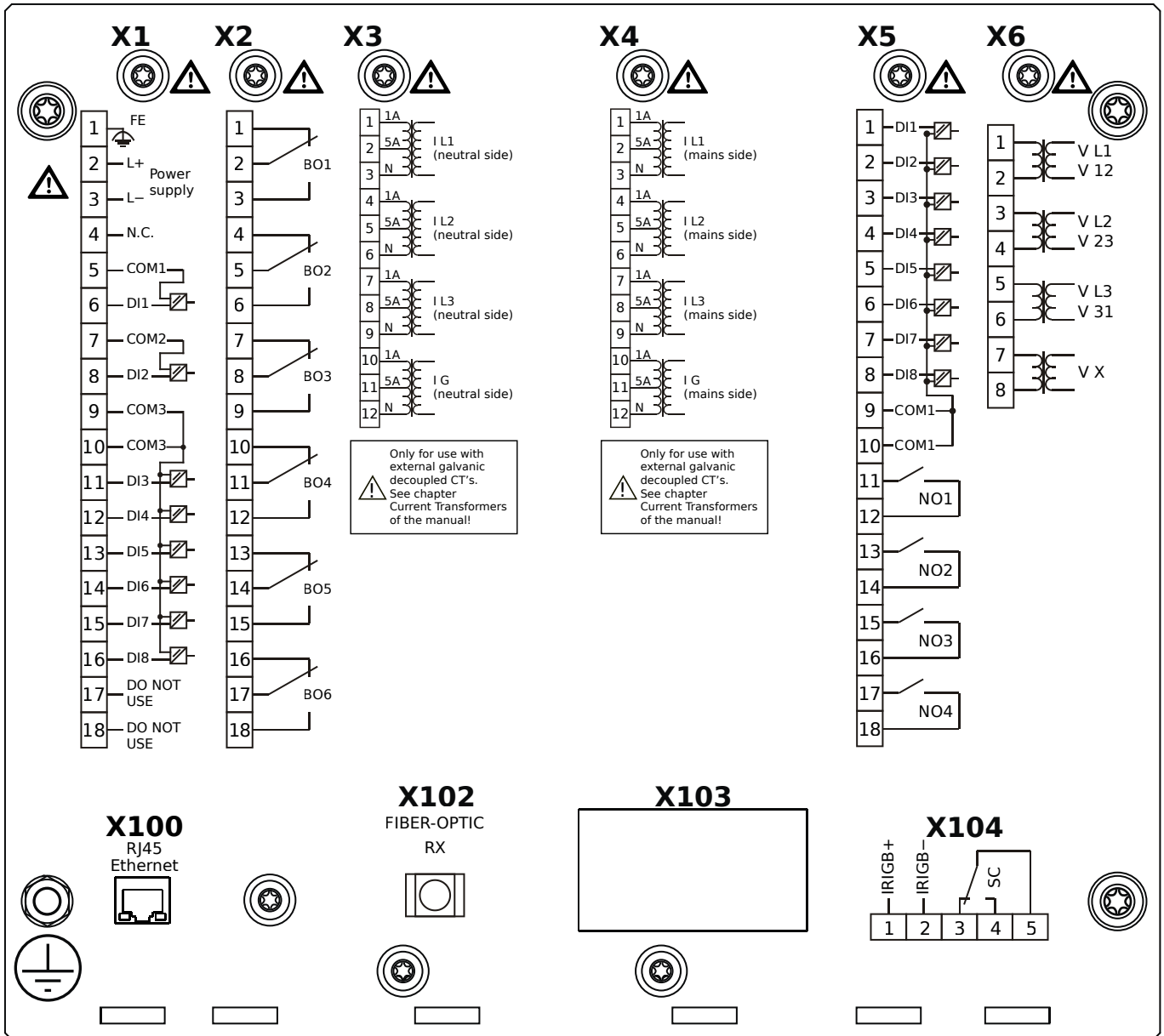


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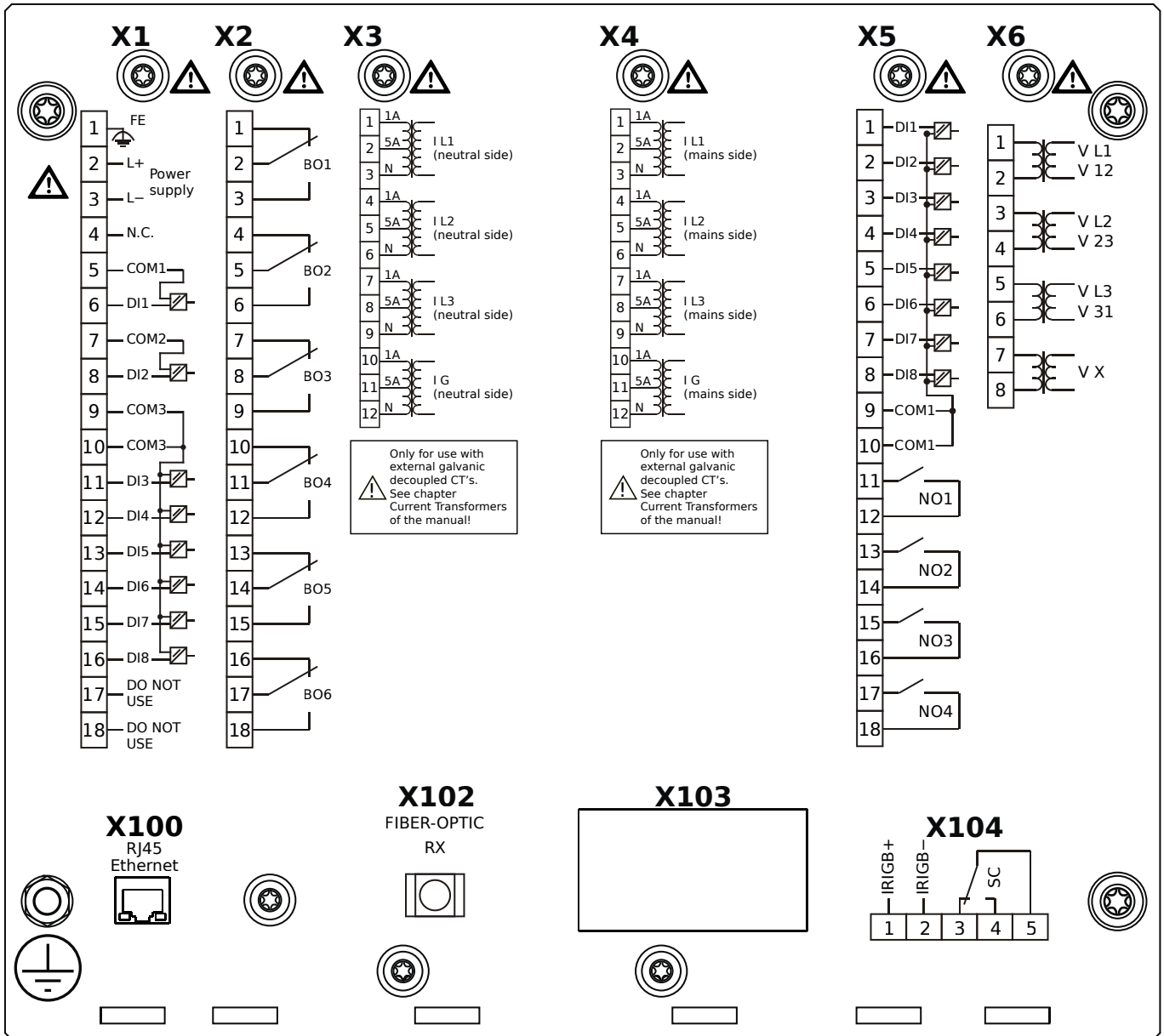
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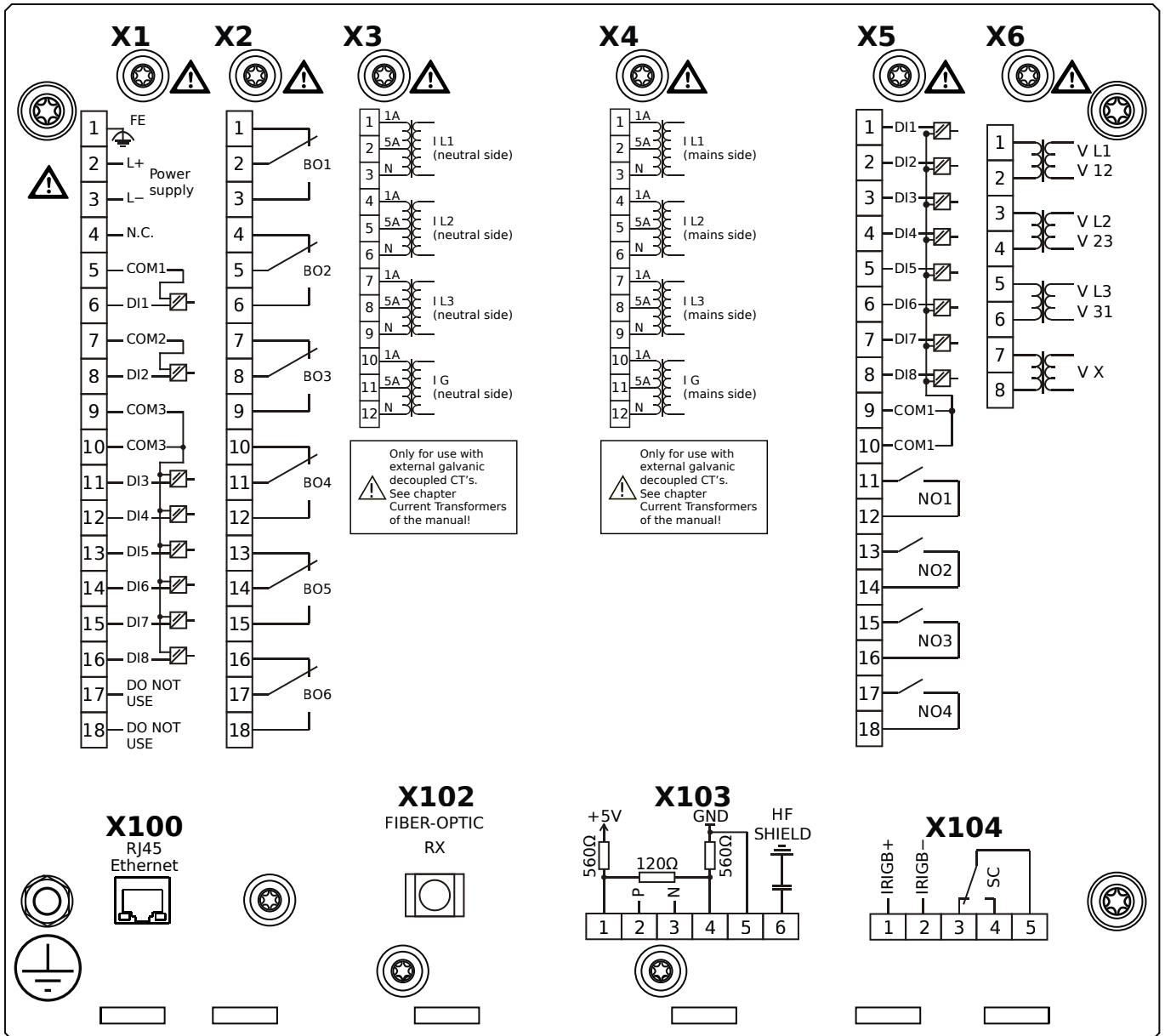


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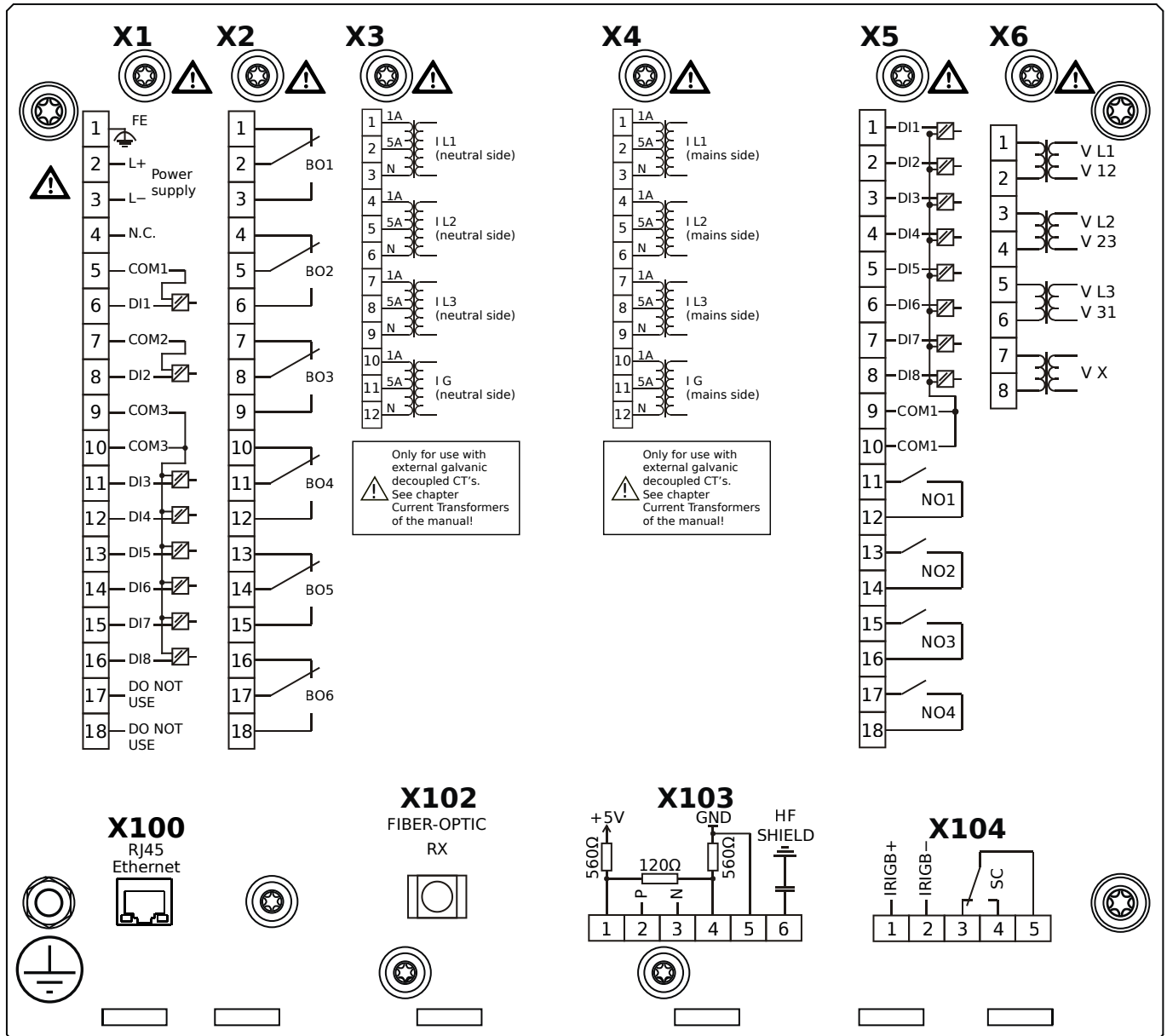
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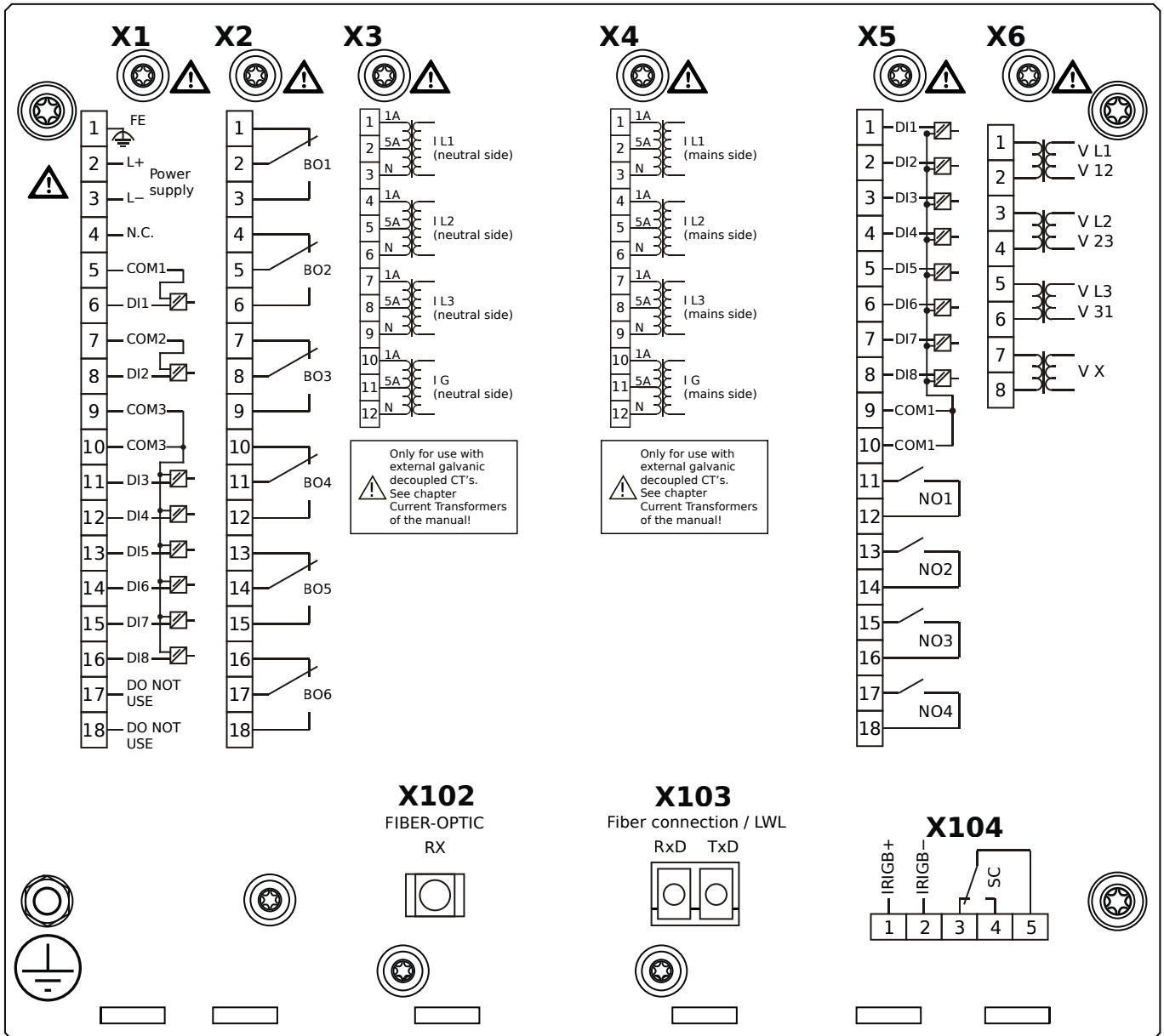


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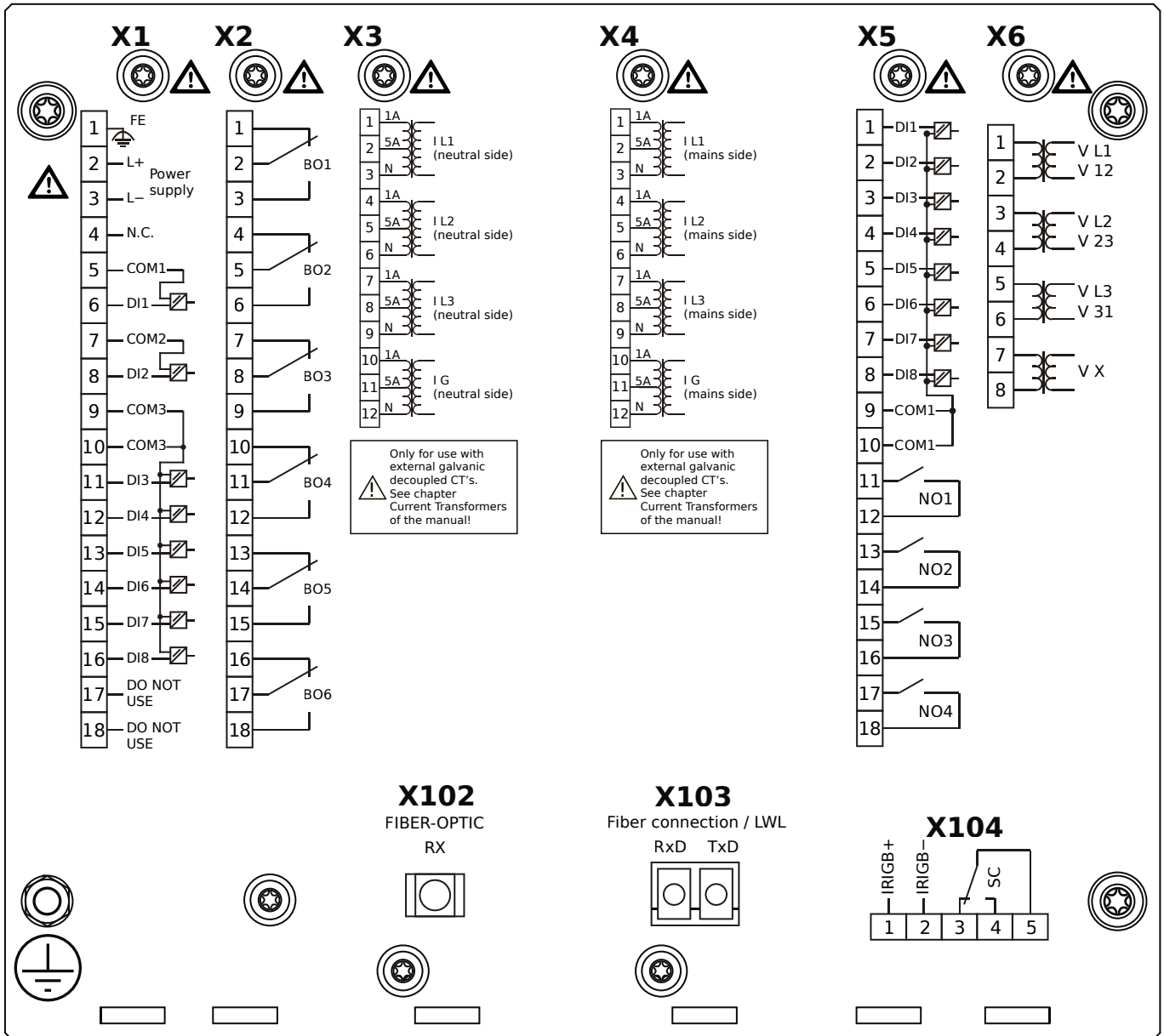
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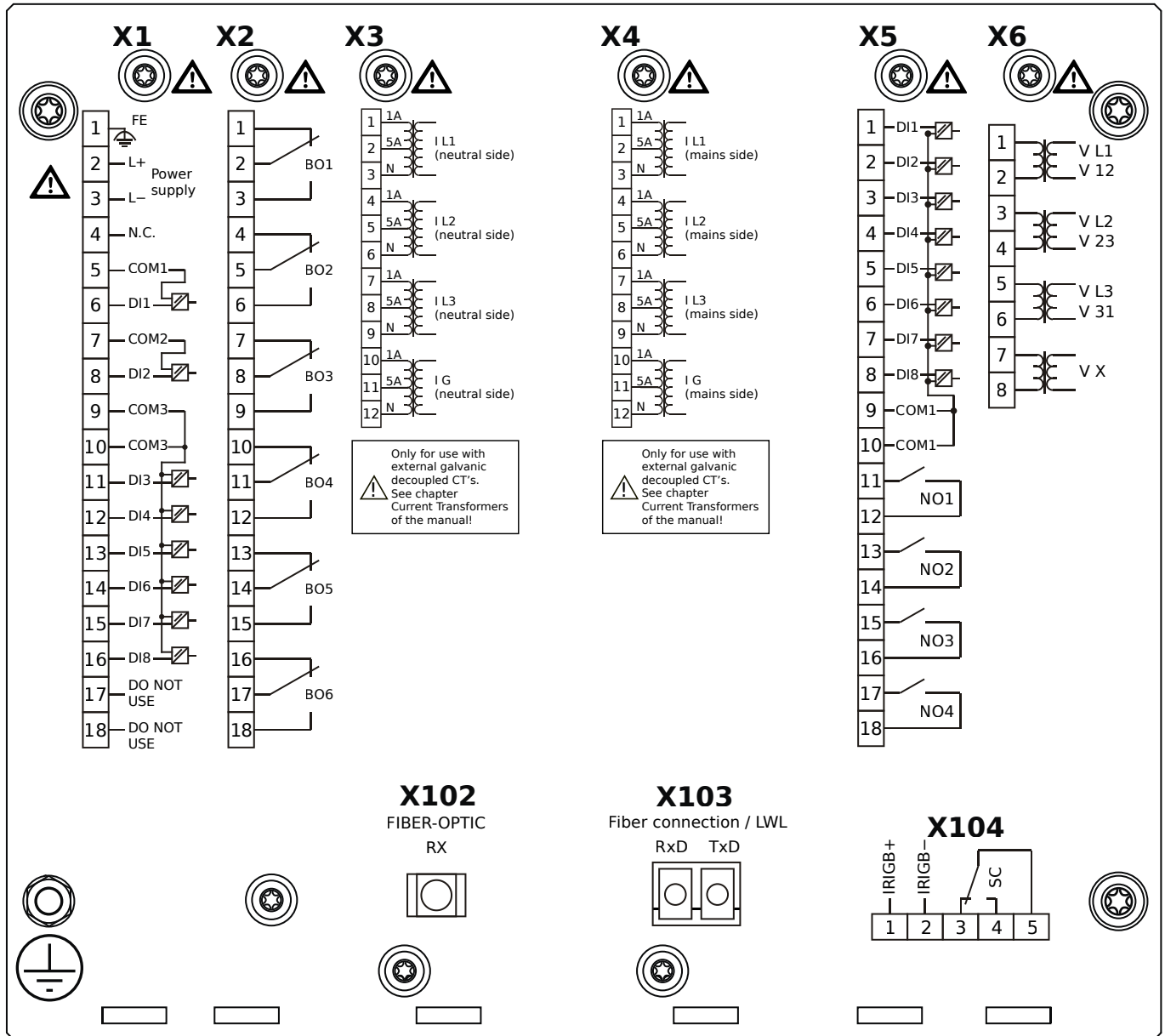


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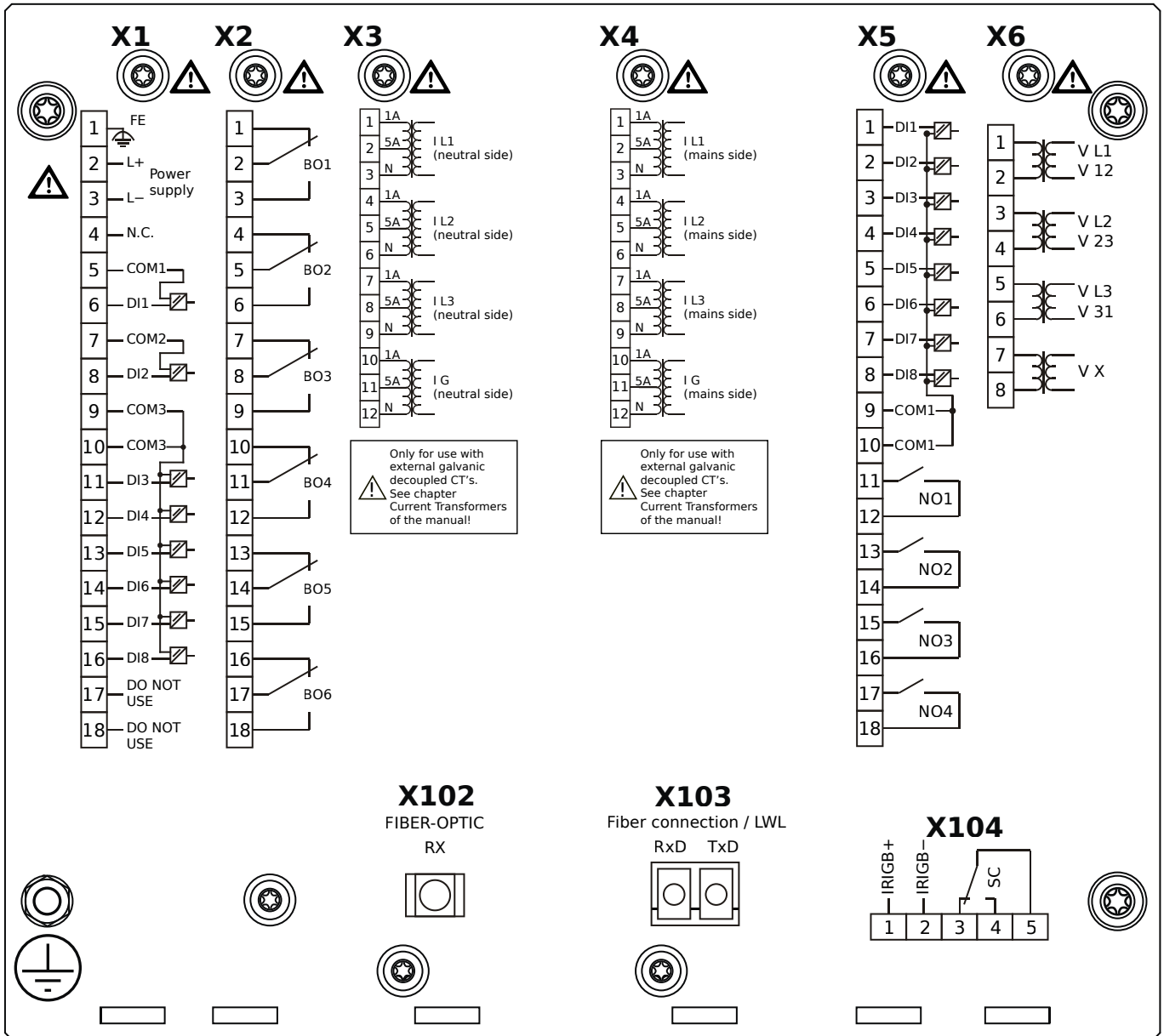
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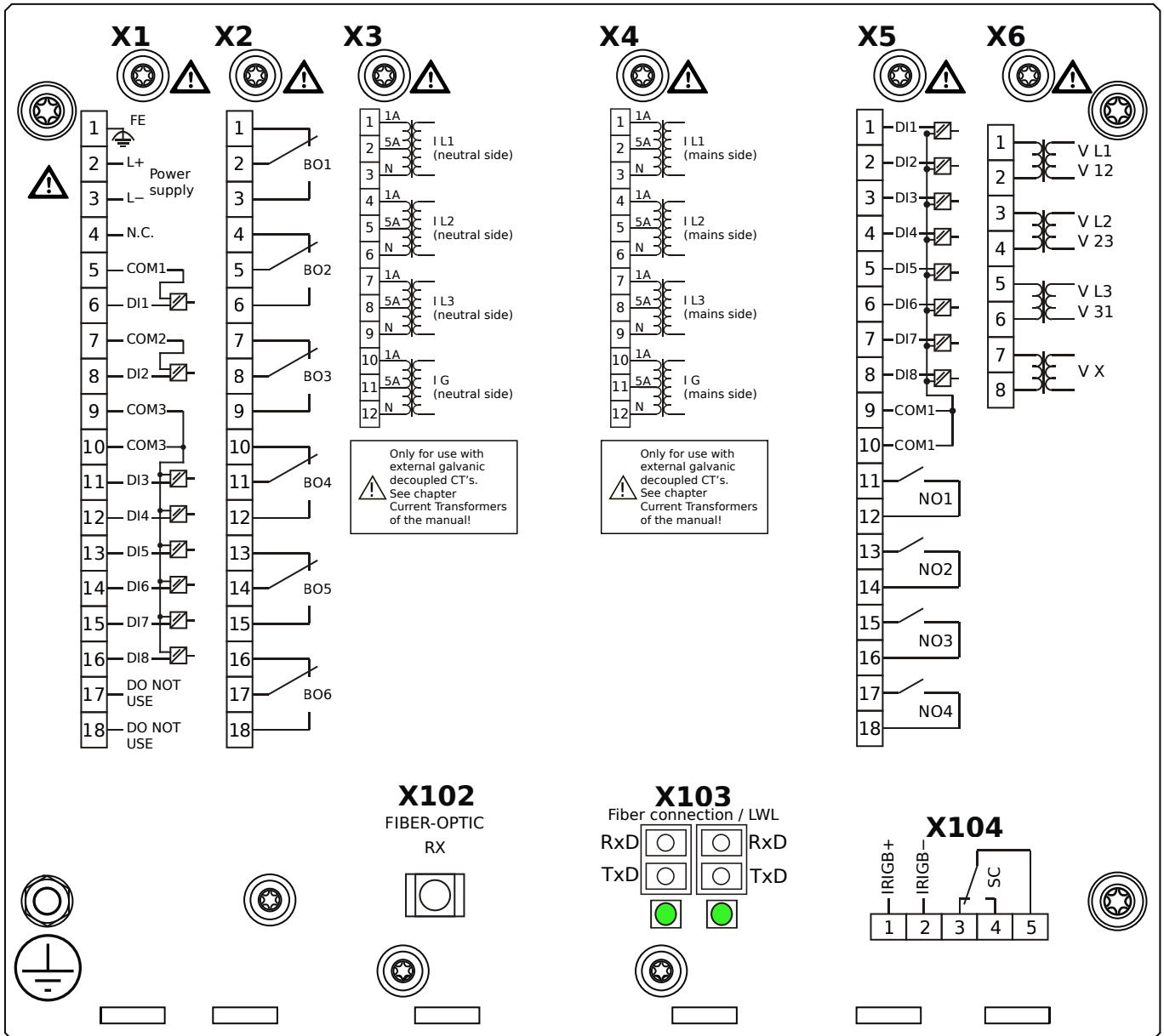


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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

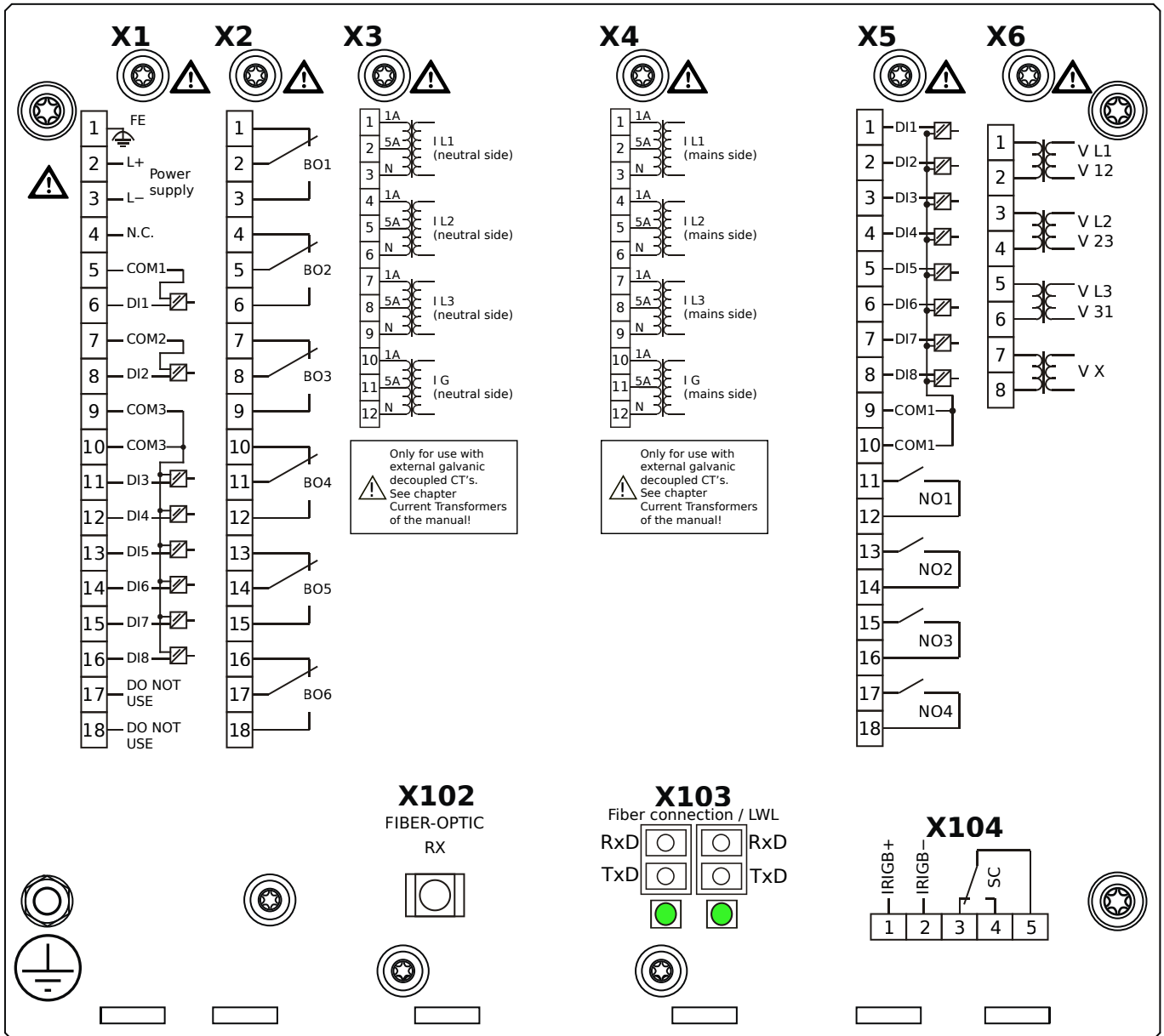
MCDGV4-2A0AOA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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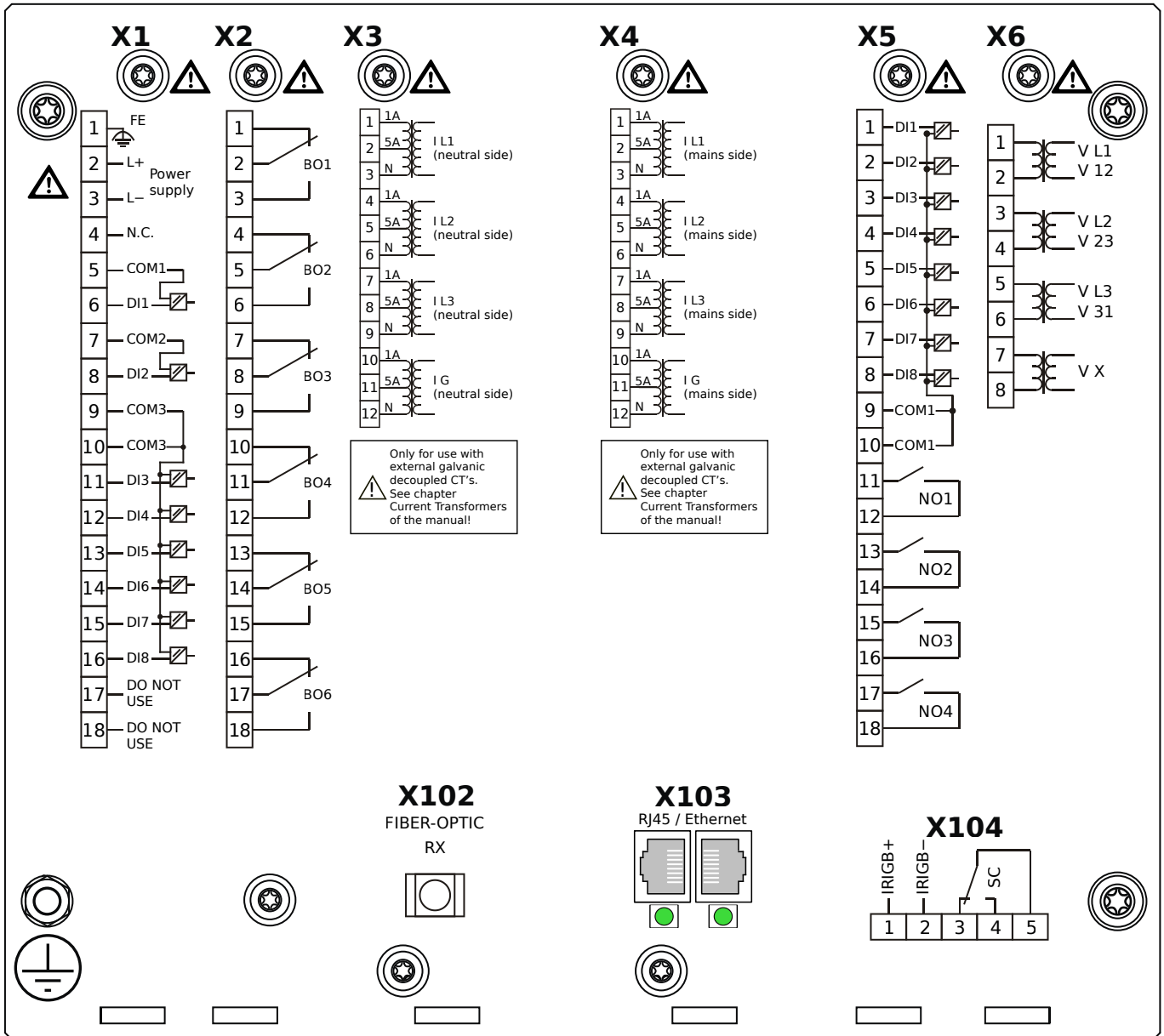


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

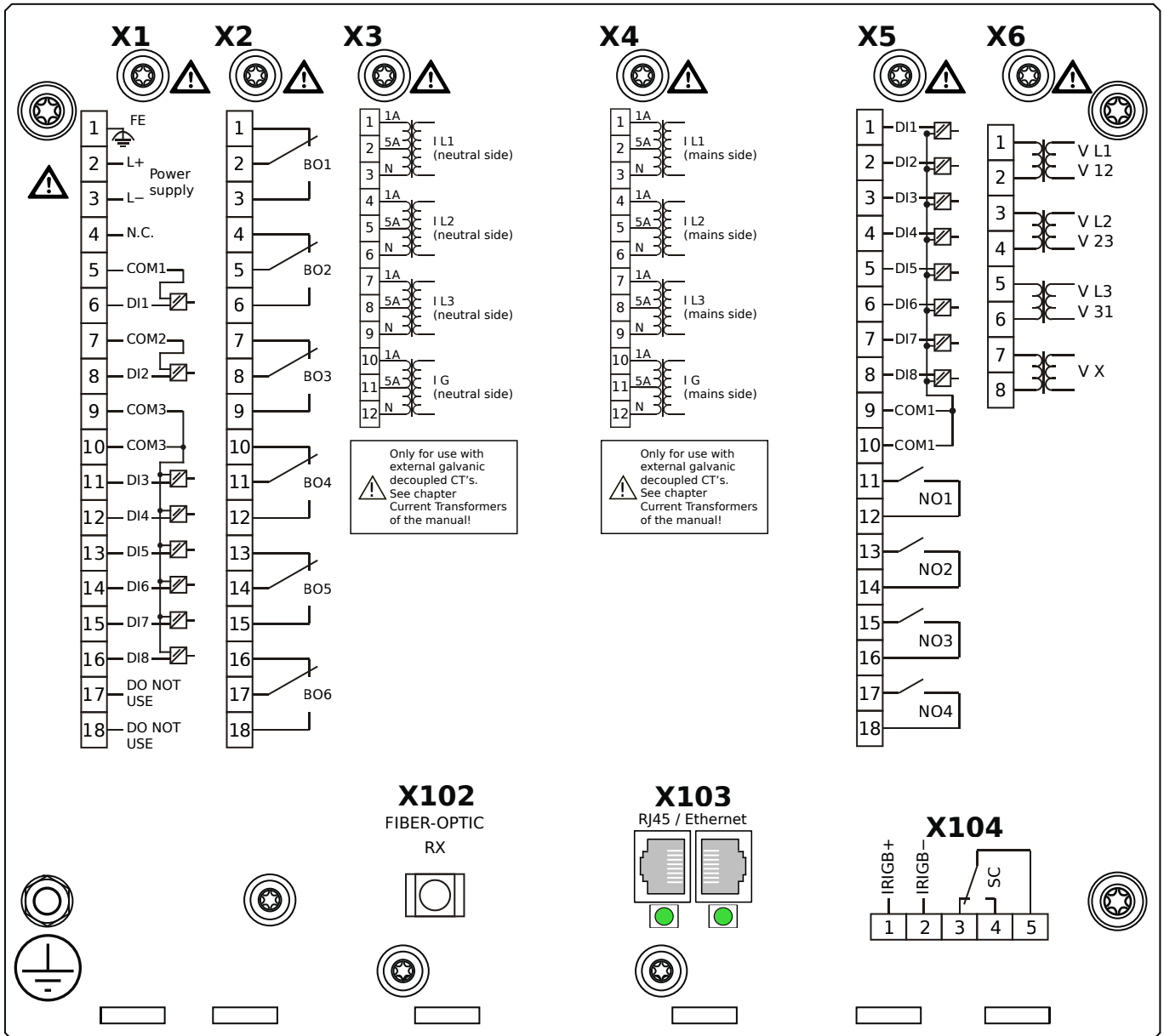
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Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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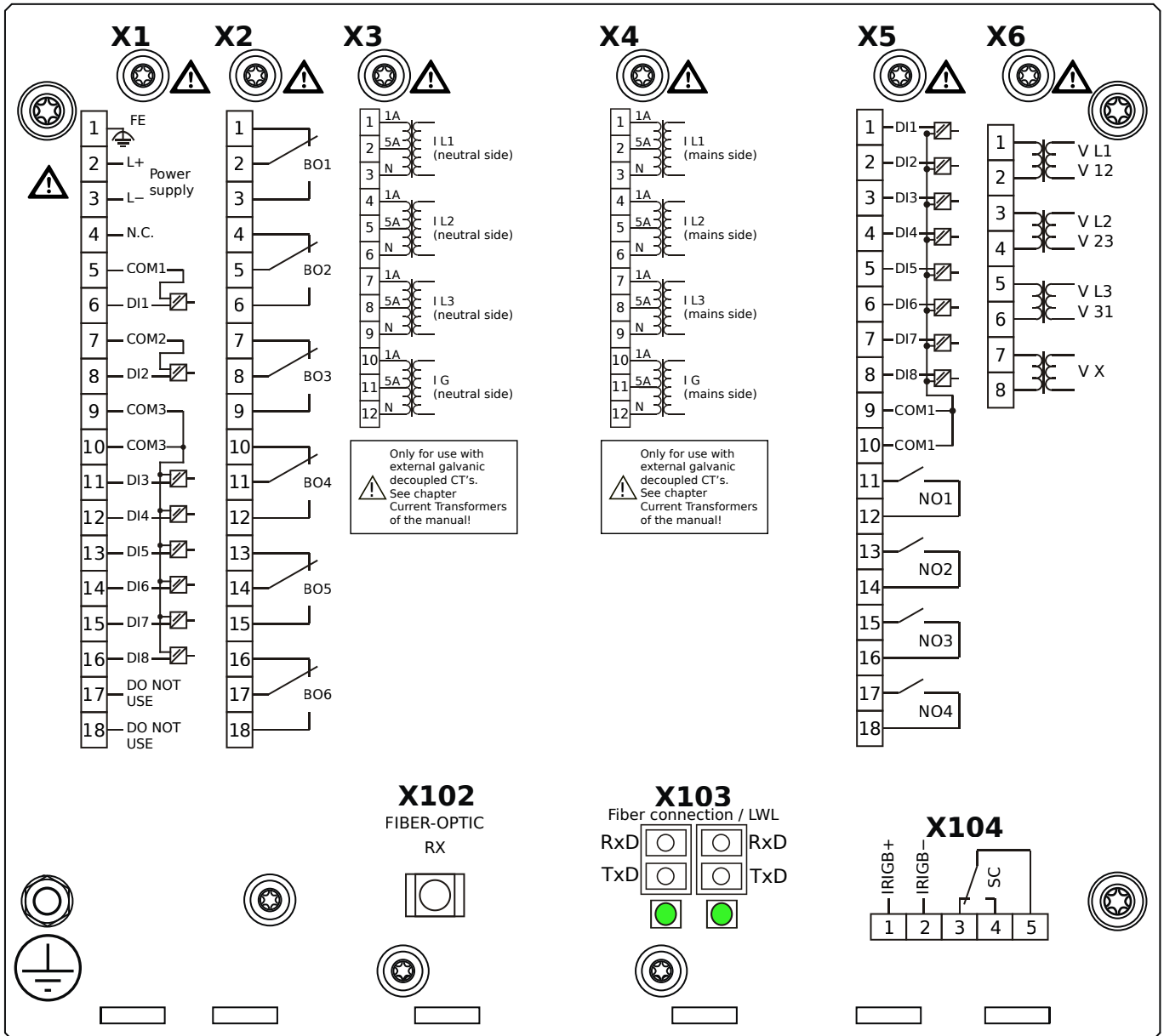


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

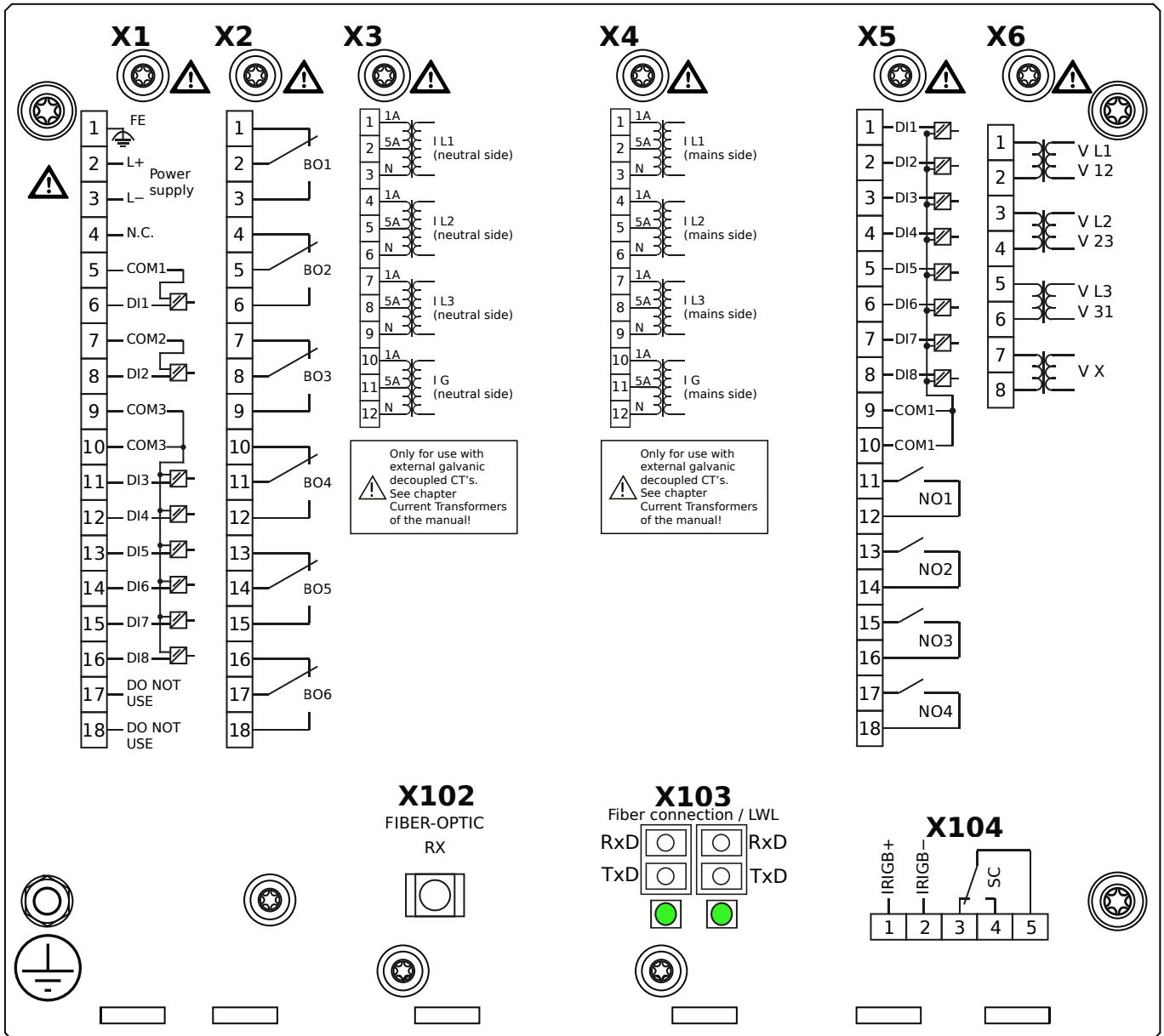
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Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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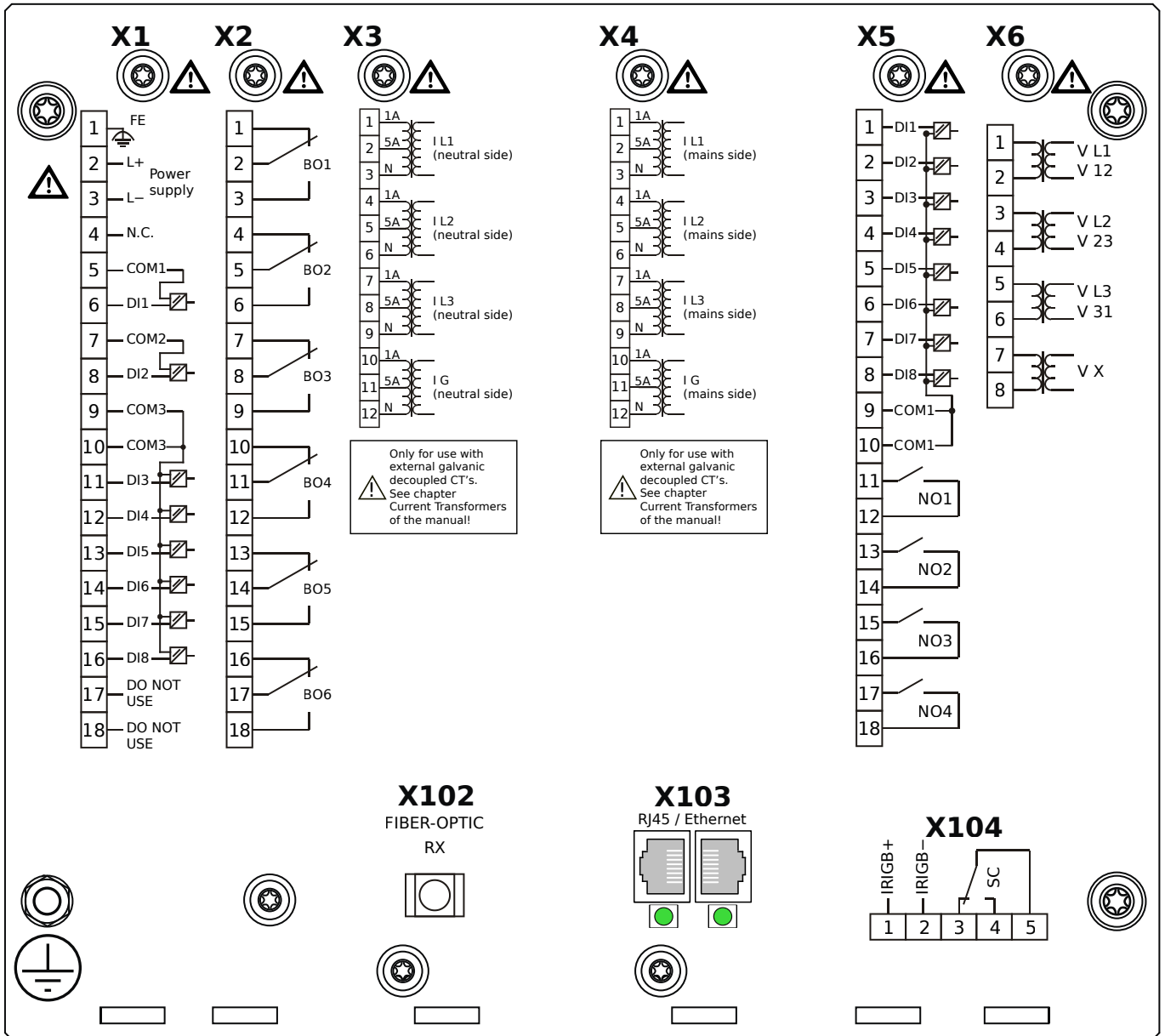


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
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- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
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- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

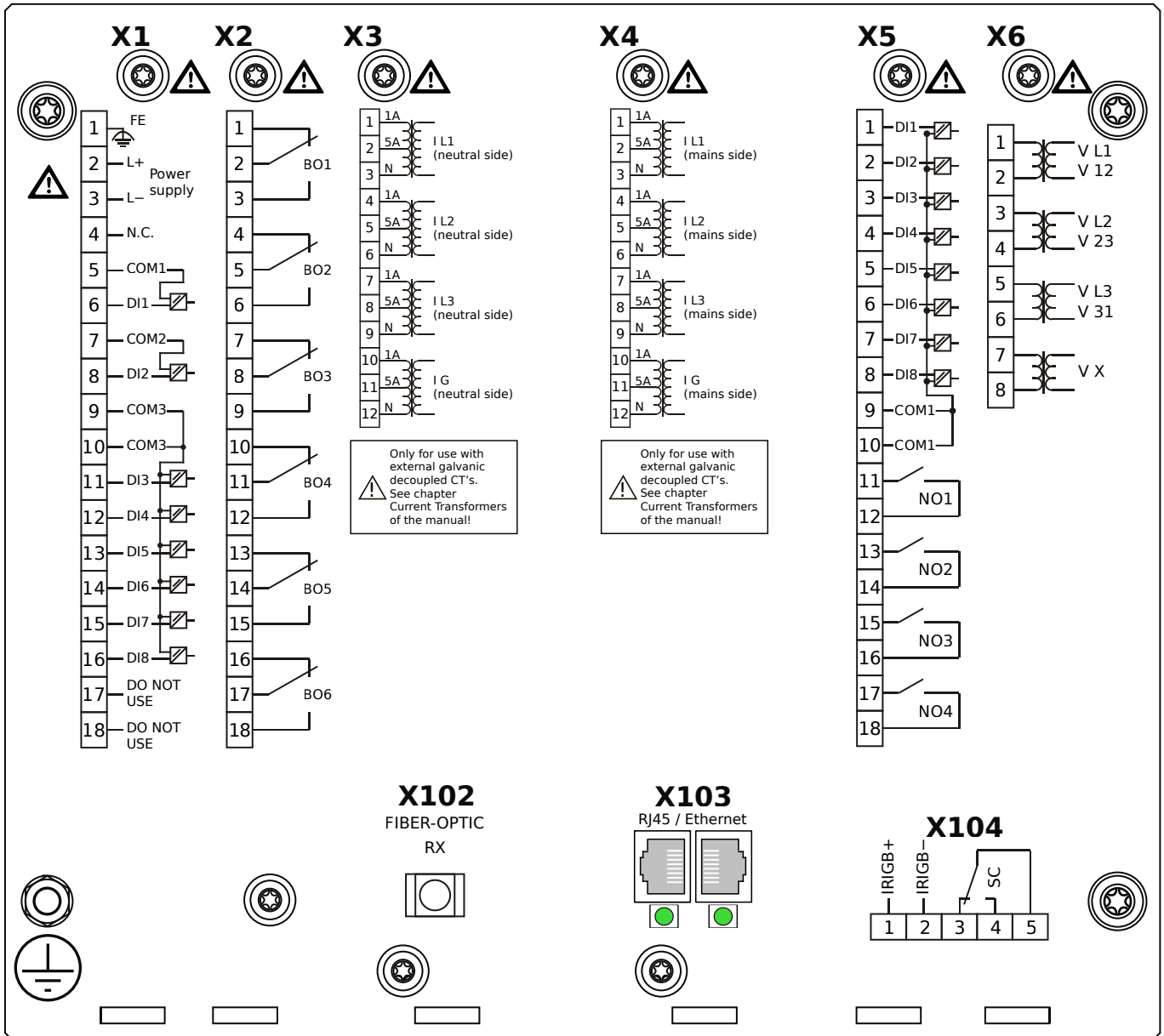
MCDGV4-2A0ARA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45
- (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A0ARB



Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TI: Standard current measuring card (for the neutral side of the differential protection)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)

X6 – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)

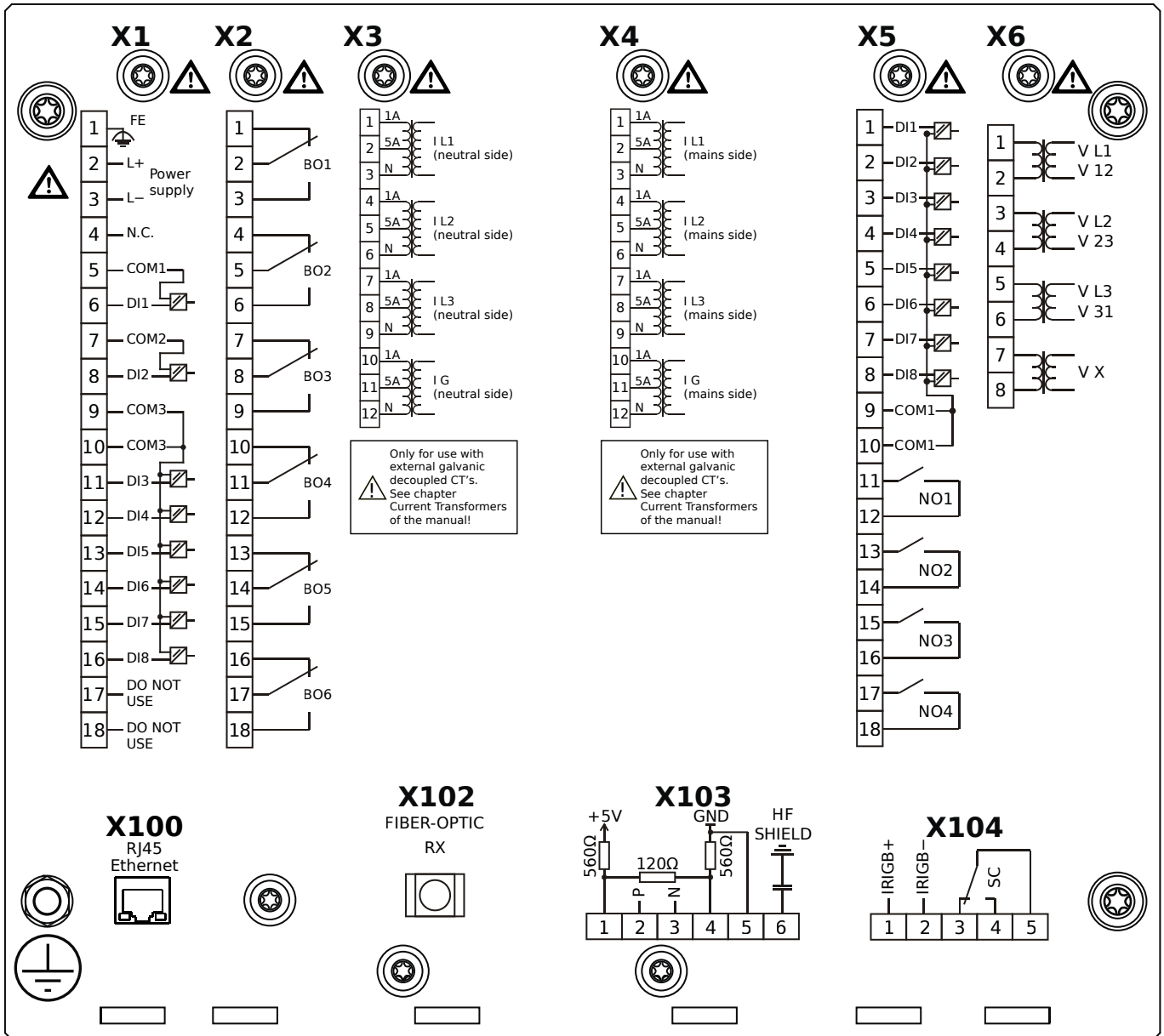
X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45

(BASE100-FX)

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

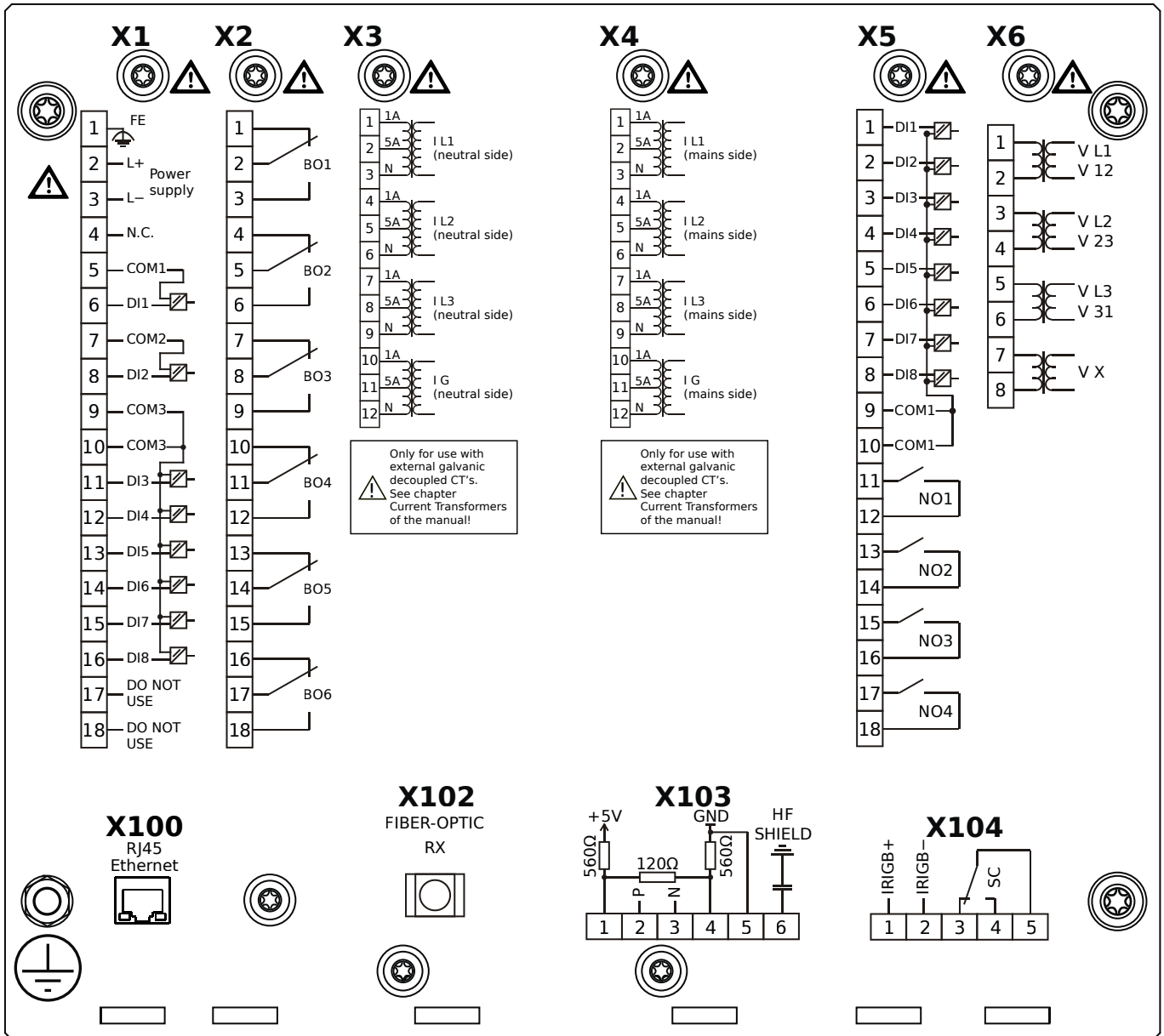
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Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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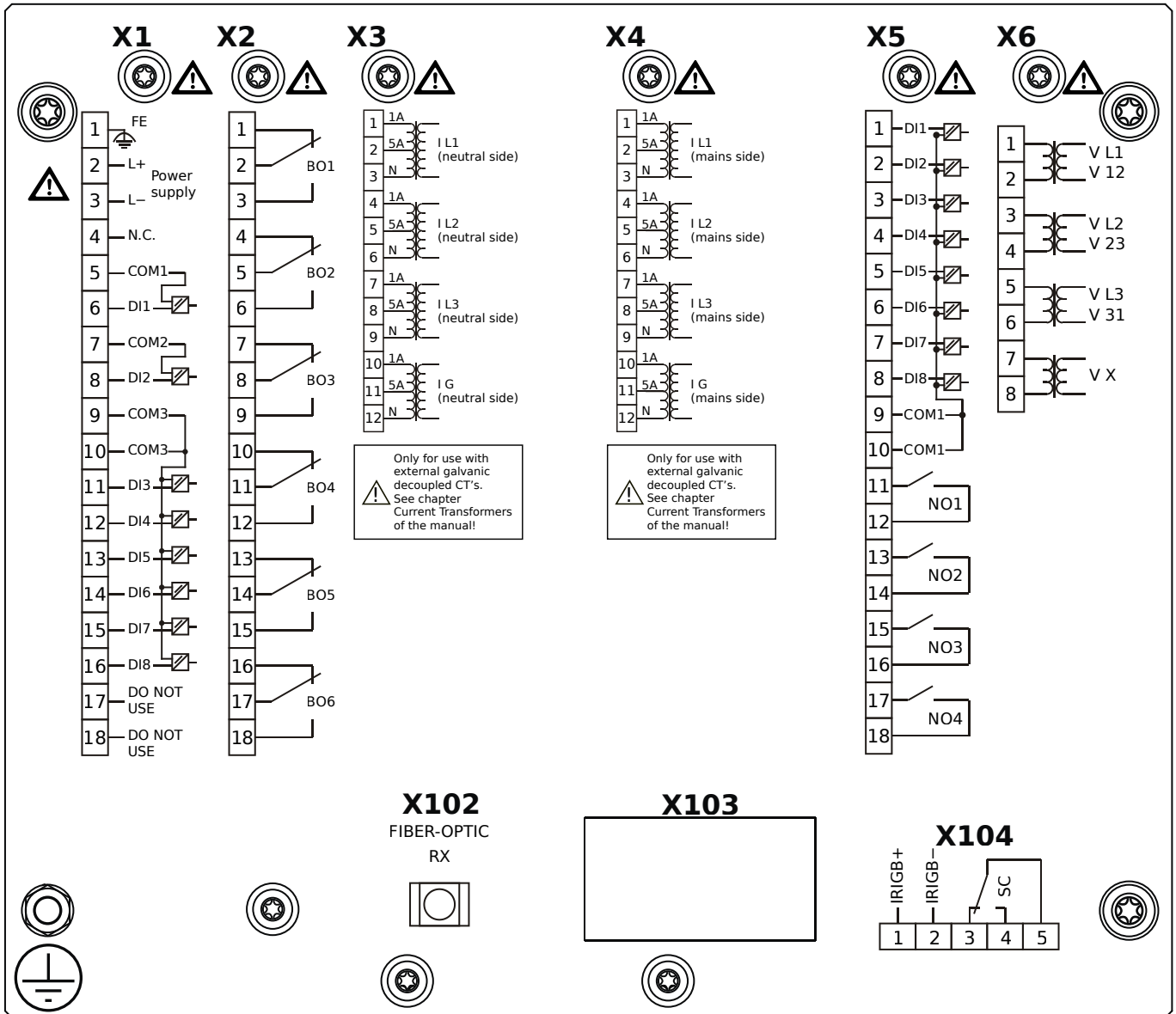


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
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- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

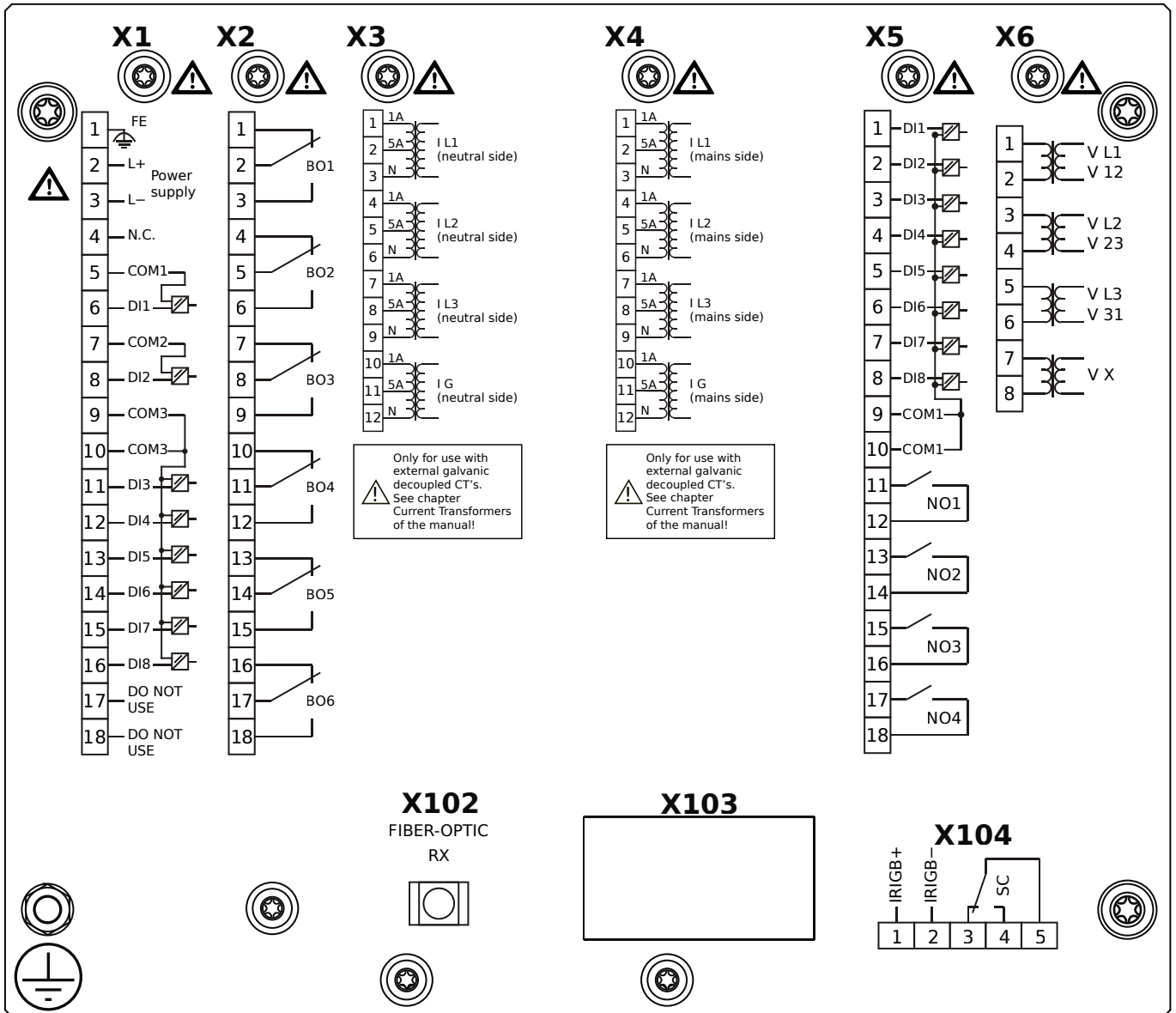
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
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- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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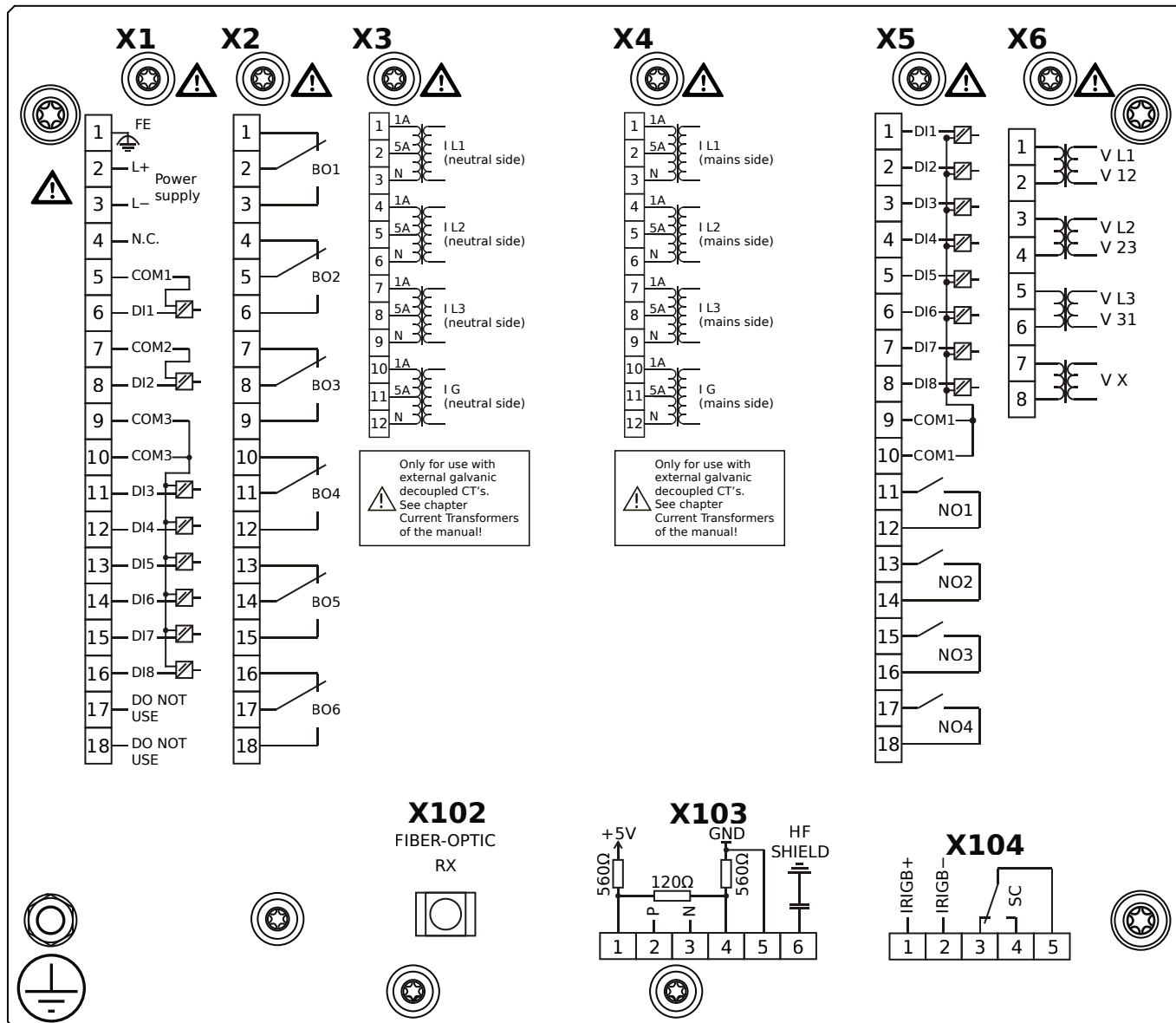


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

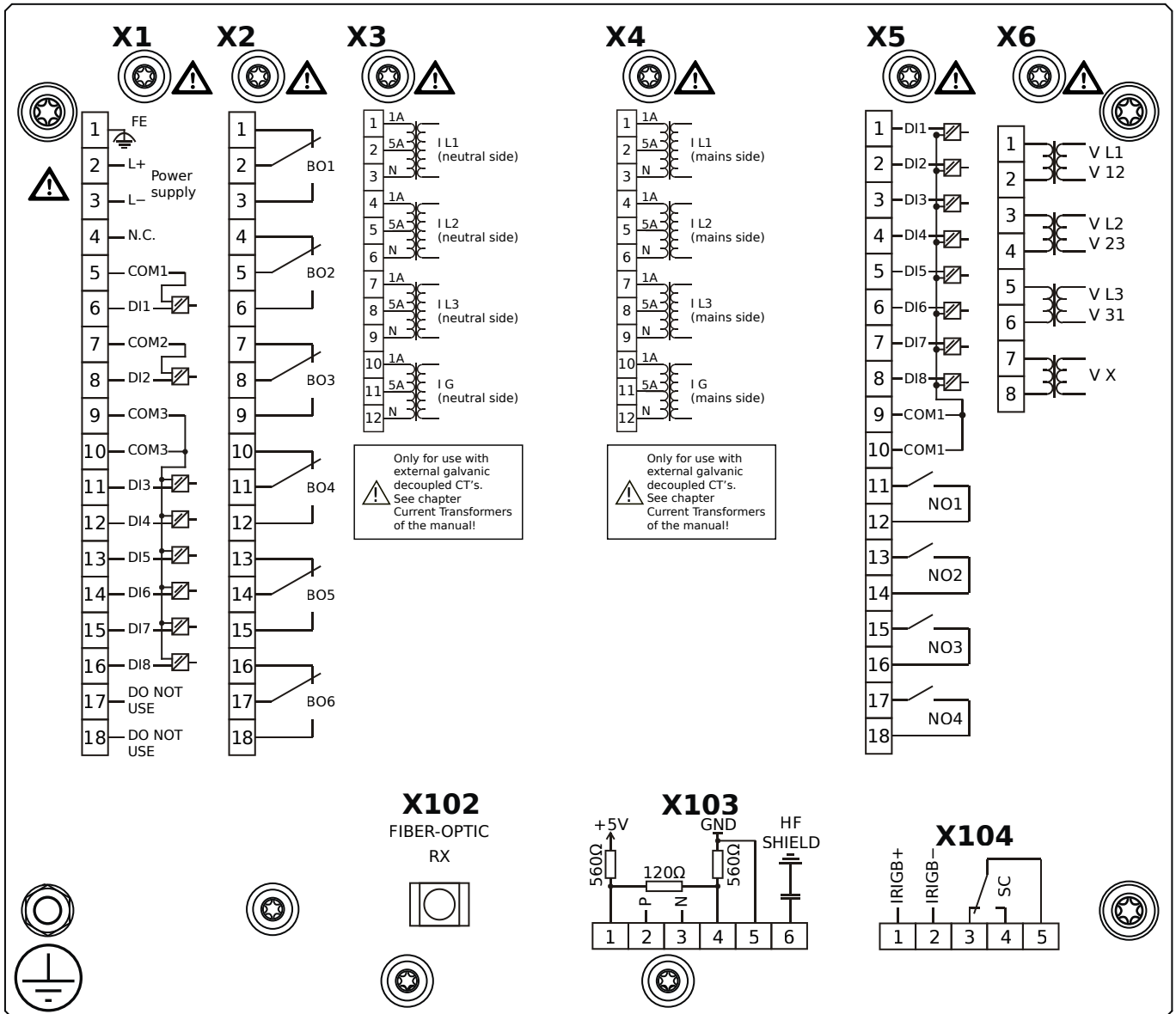
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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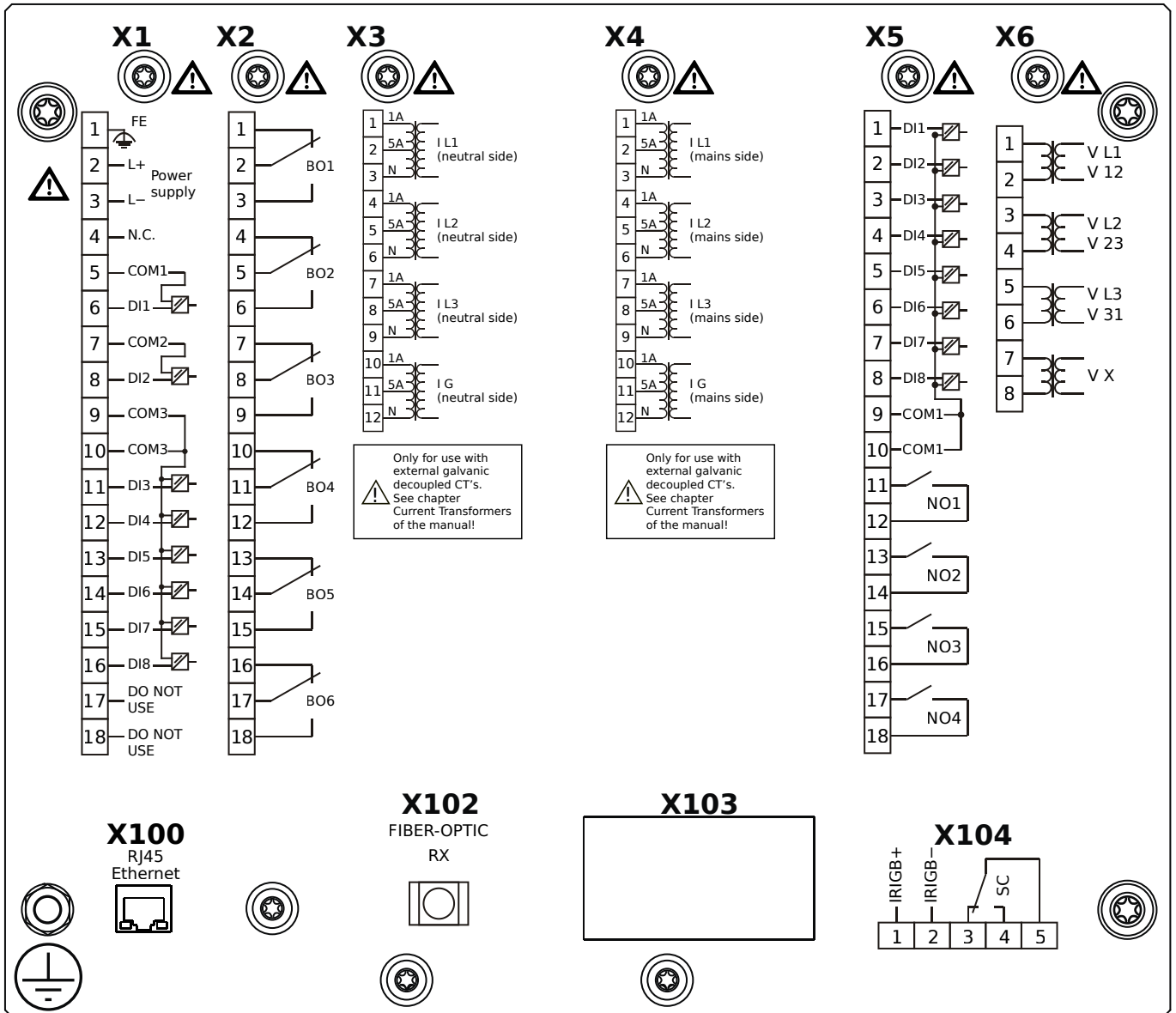


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

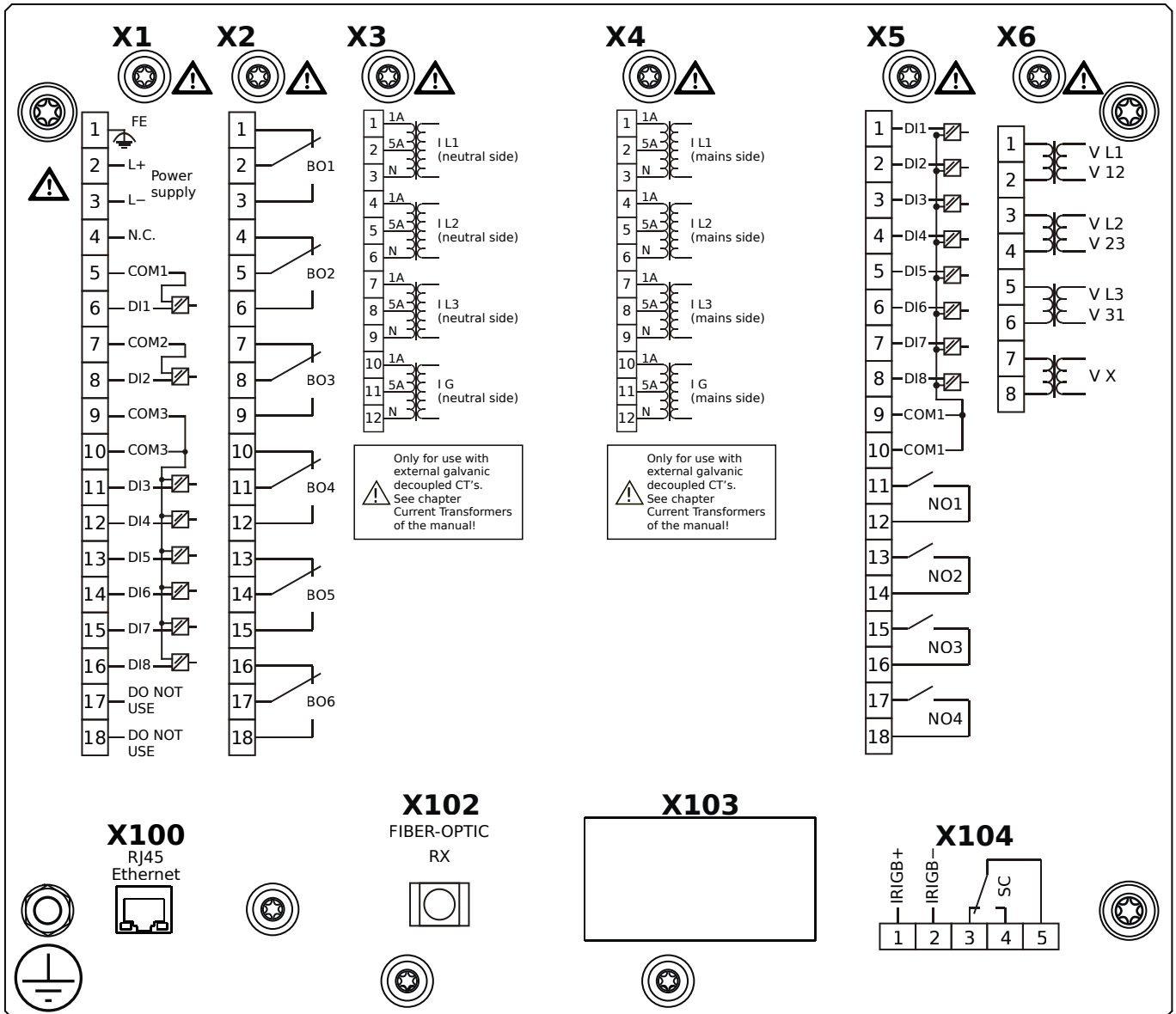
MCDGV4-2A0BCA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A0BCB

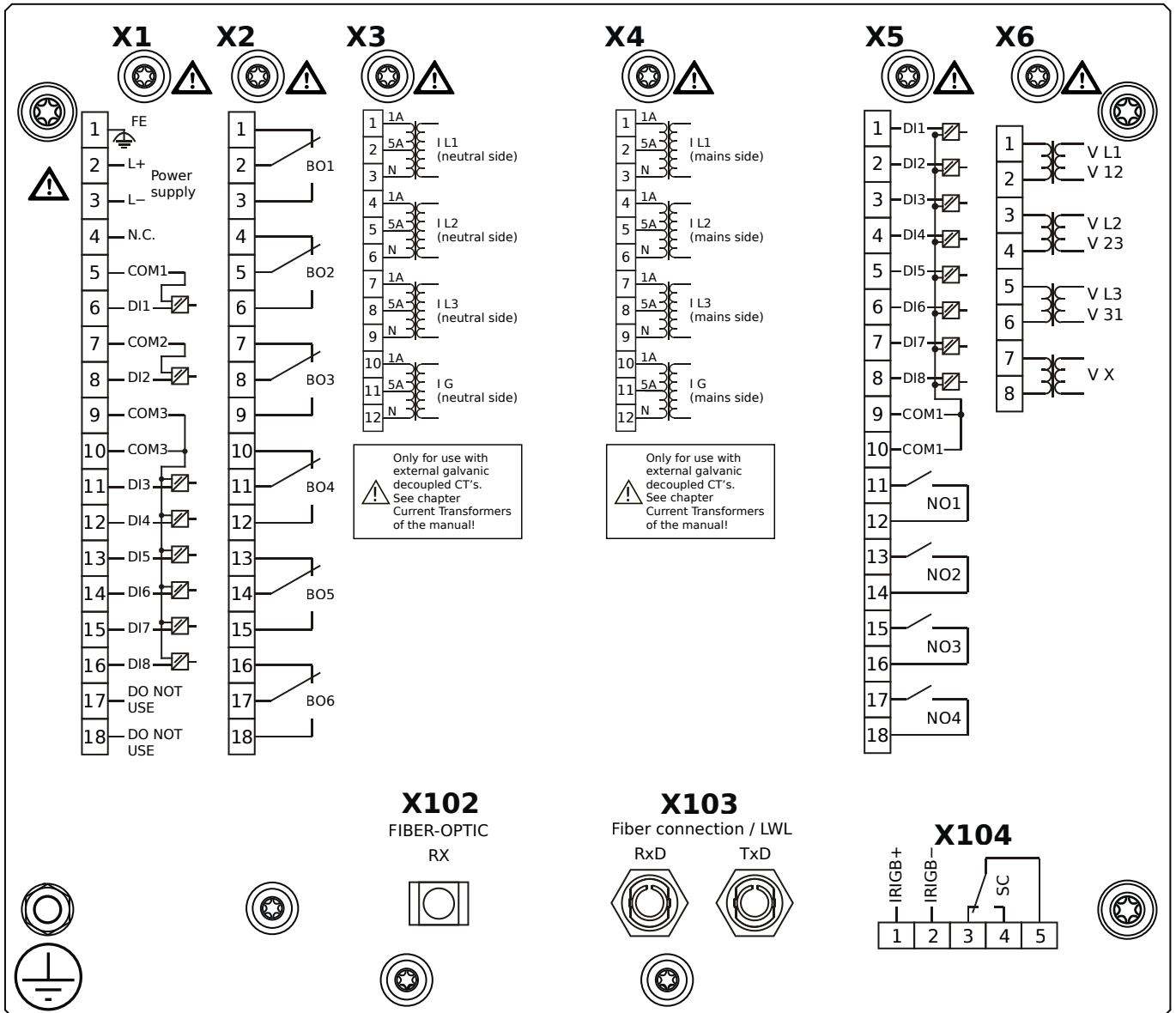


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

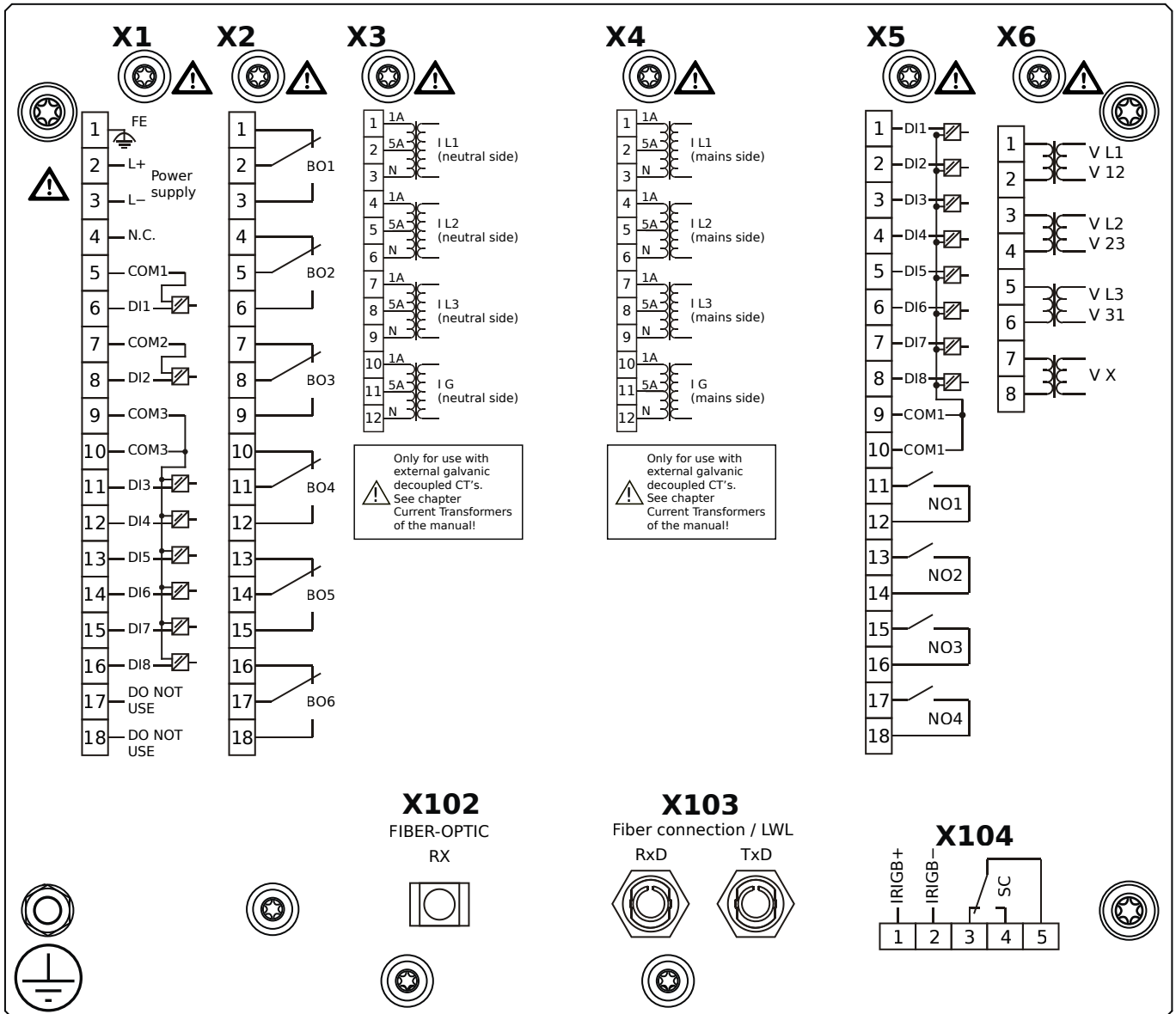
MCDGV4-2A0BDA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A0BDB

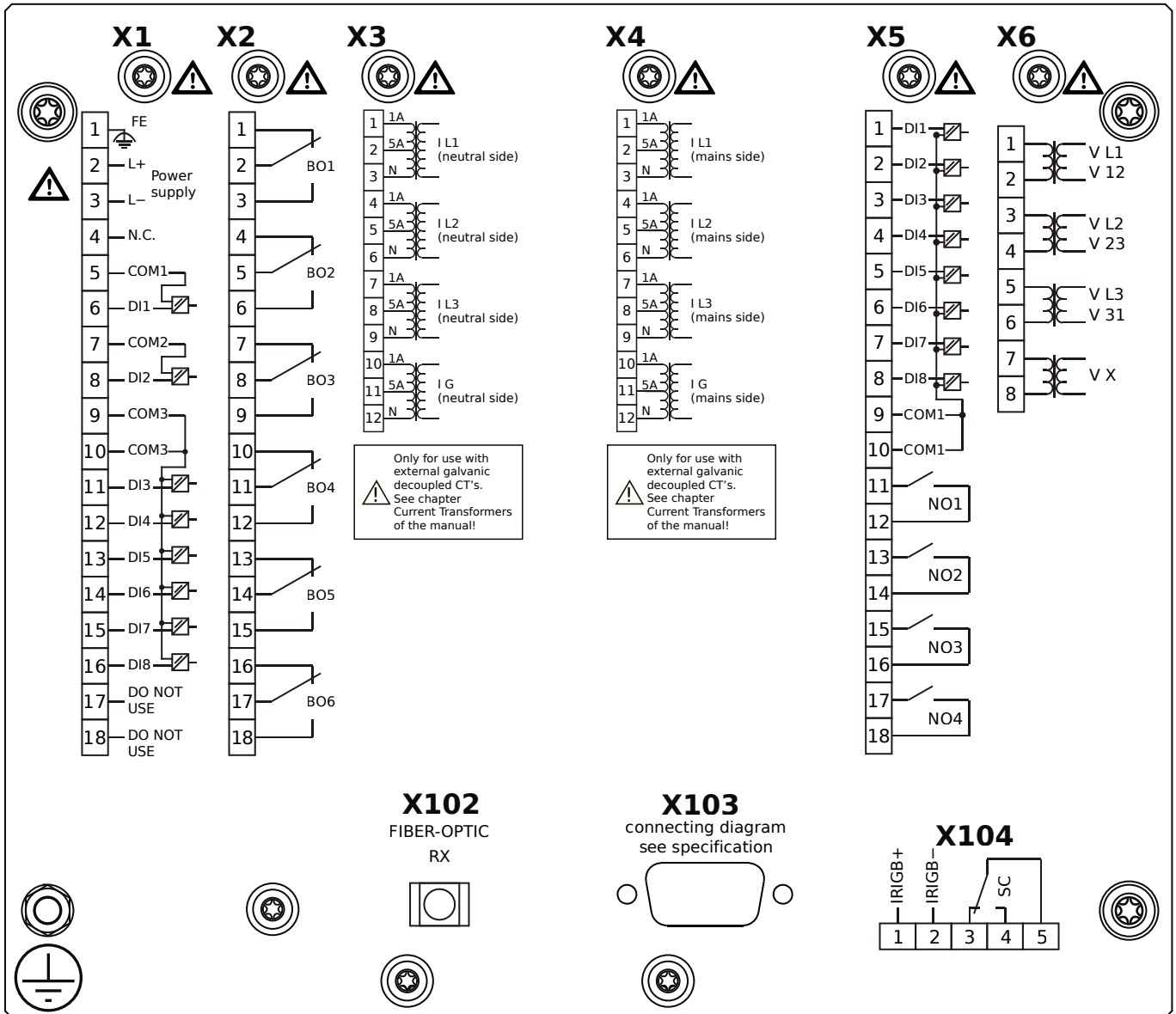


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

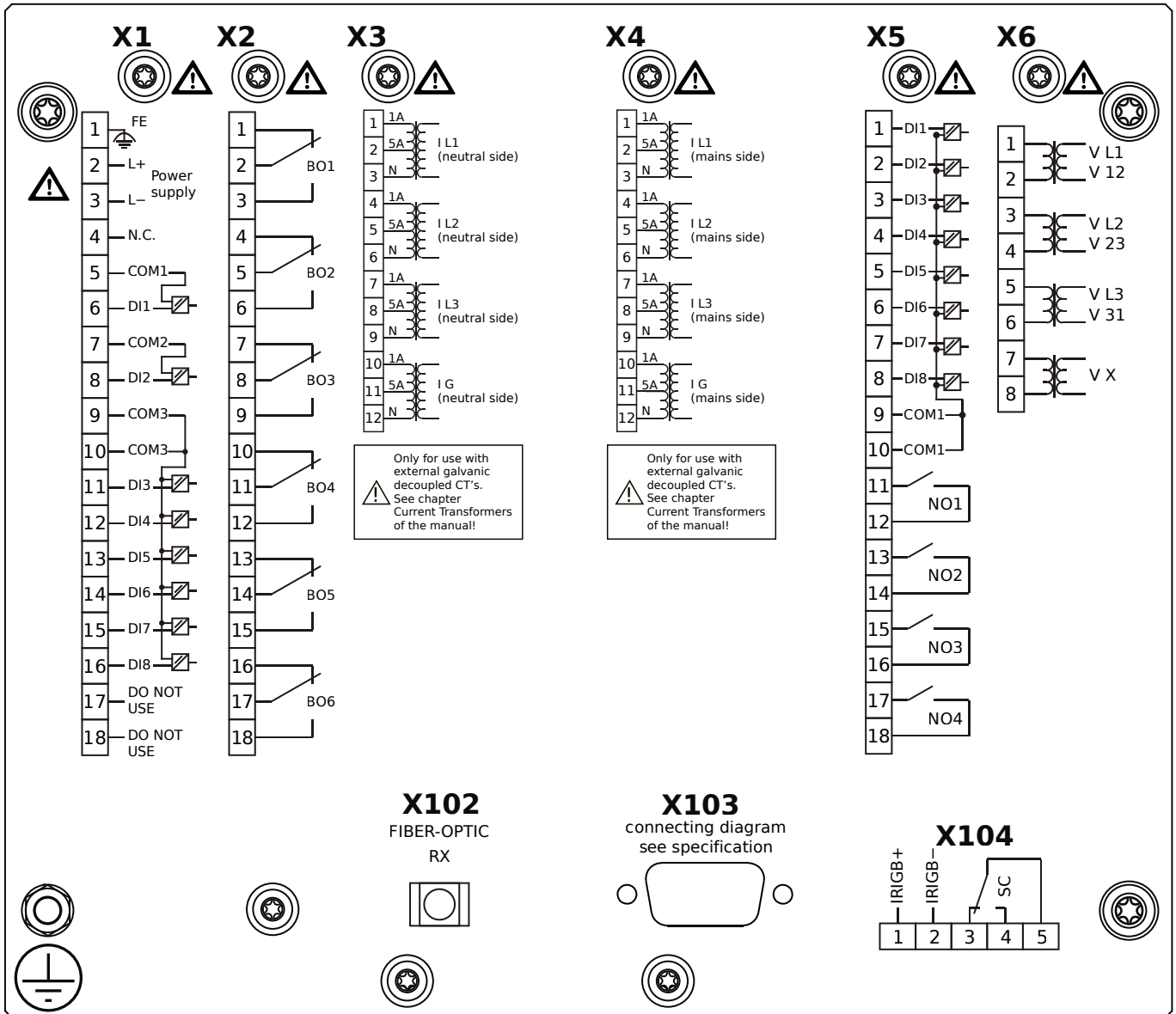
MCDGV4-2A0BEA



Housing B2, large display, 19" rack mounting

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- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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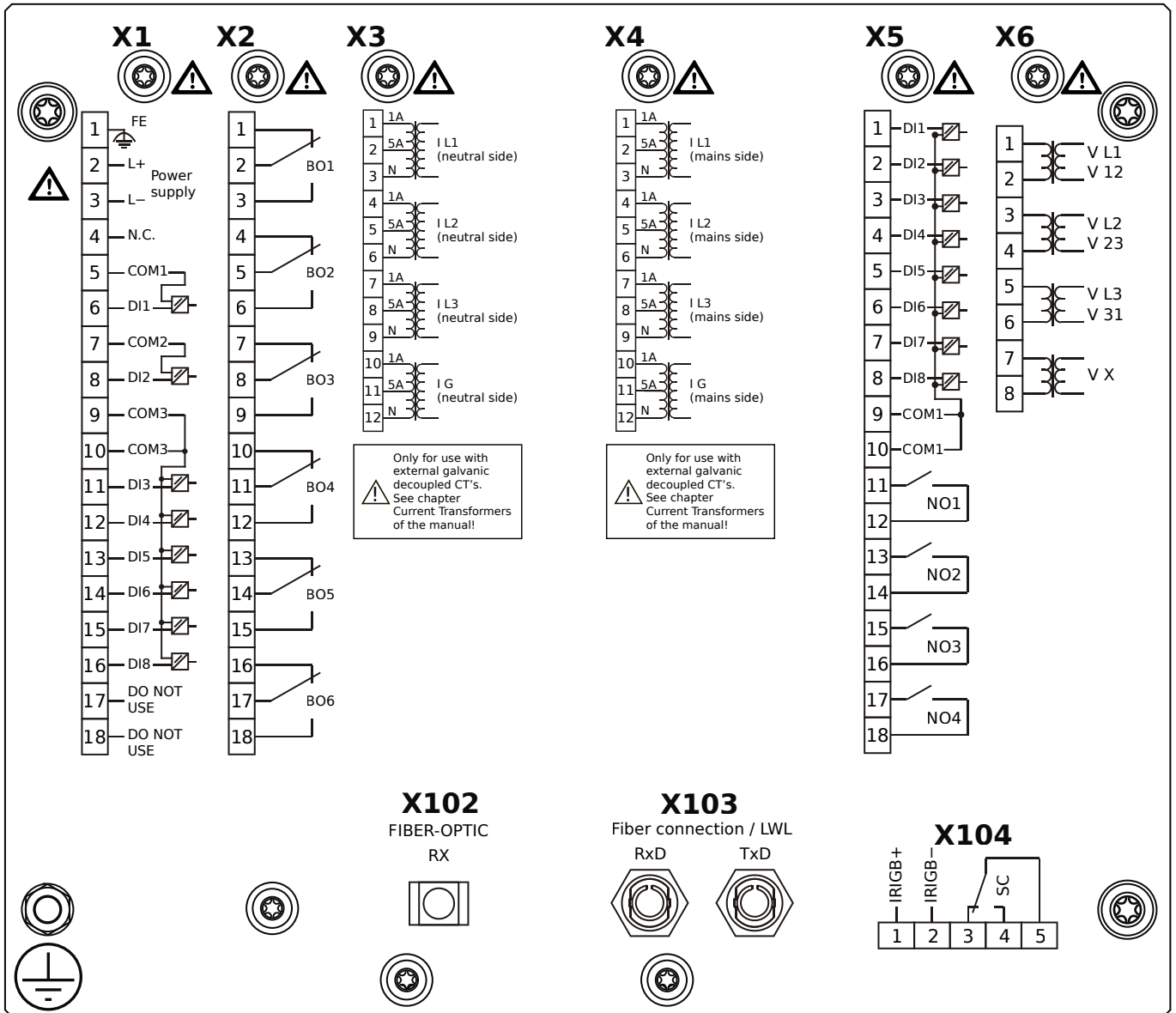


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

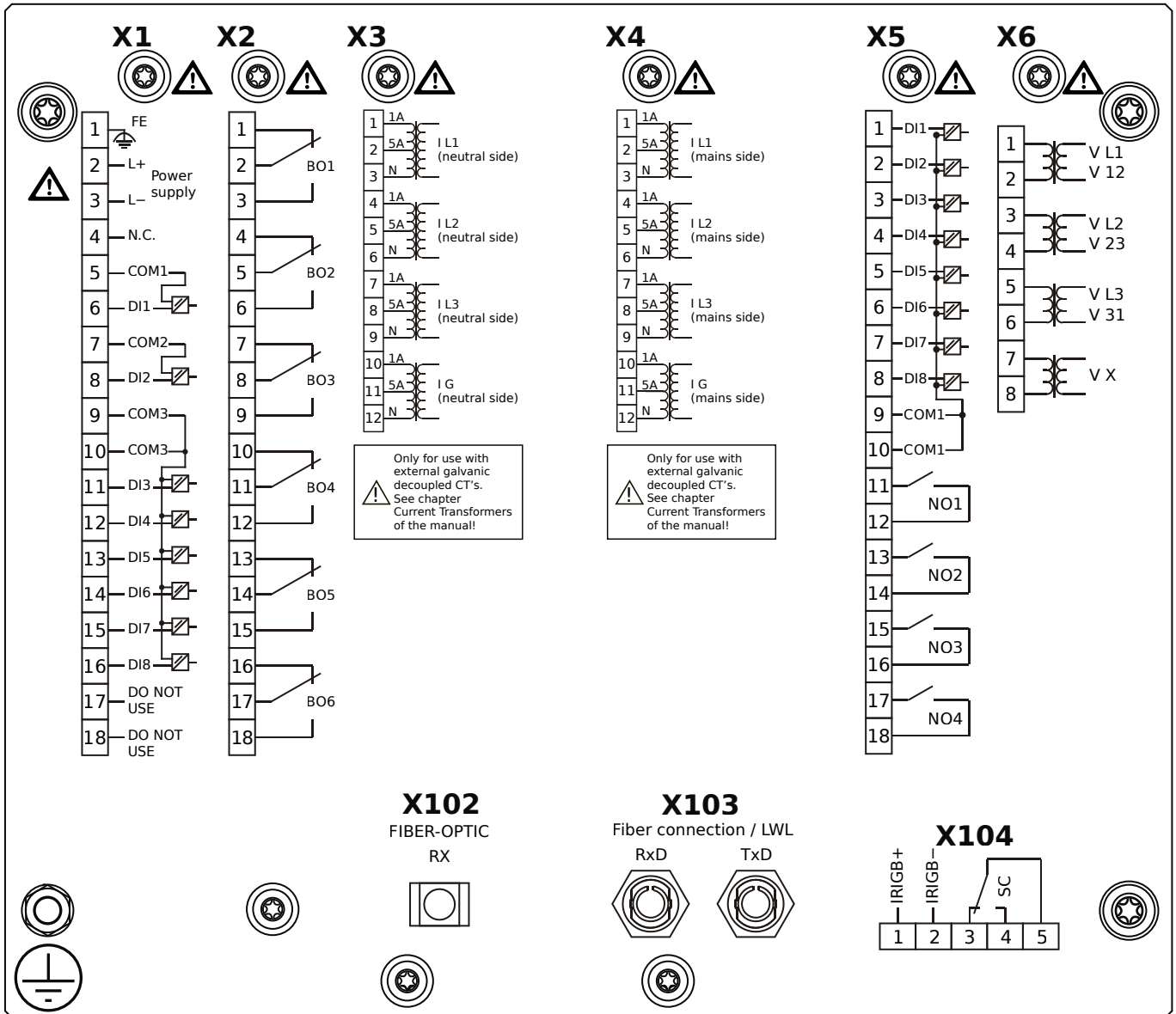
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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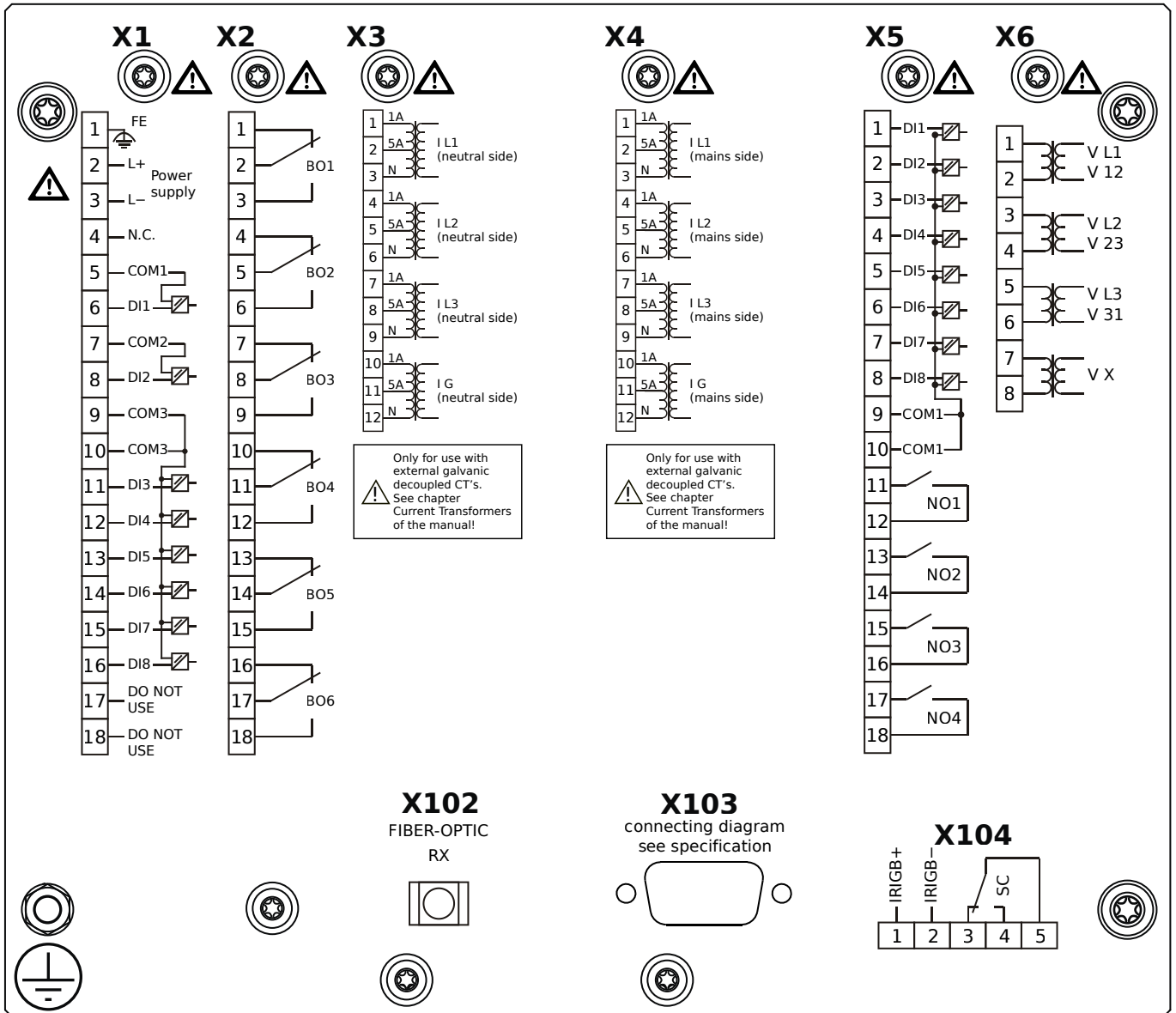


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

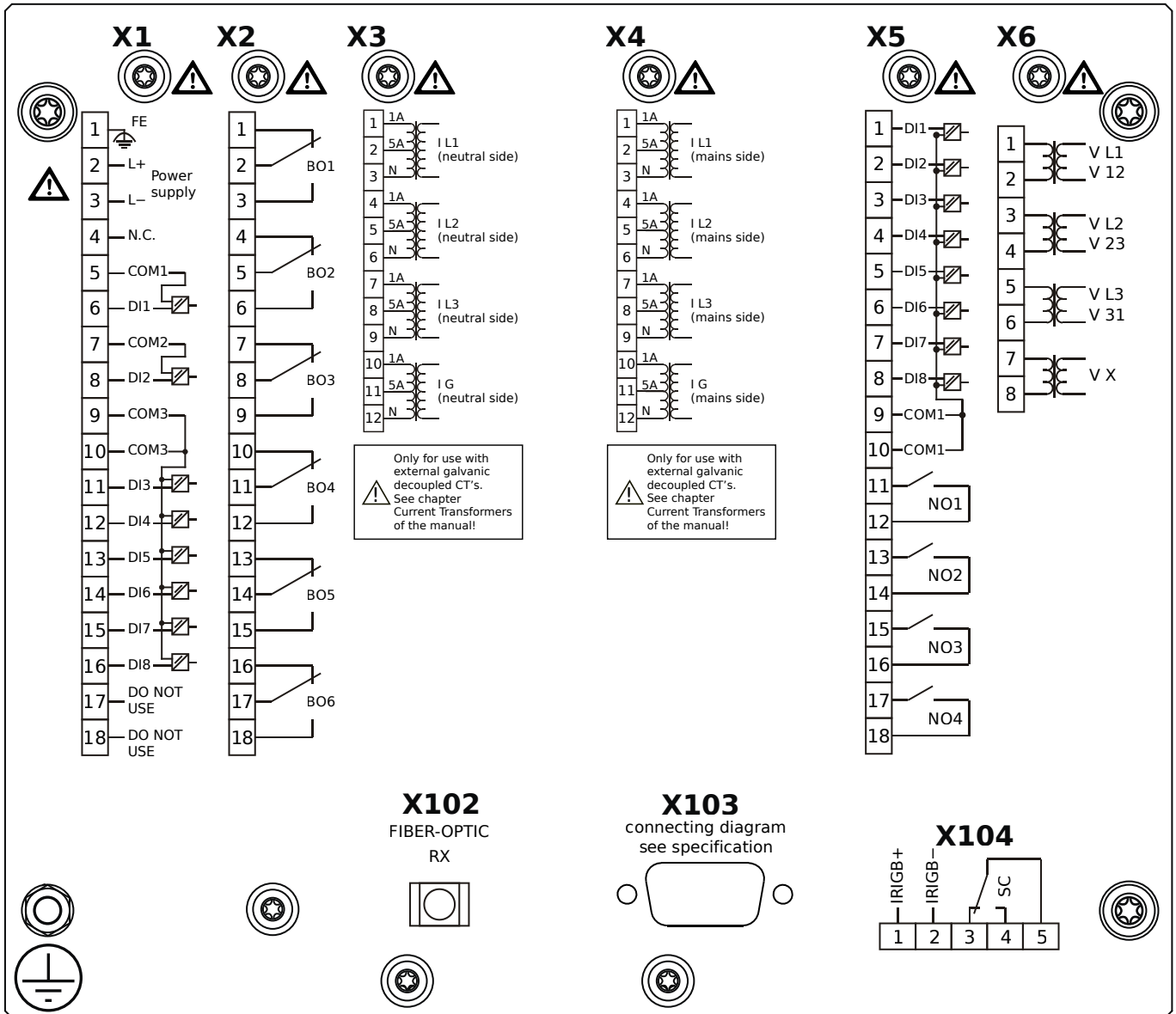
MCDGV4-2A0BGA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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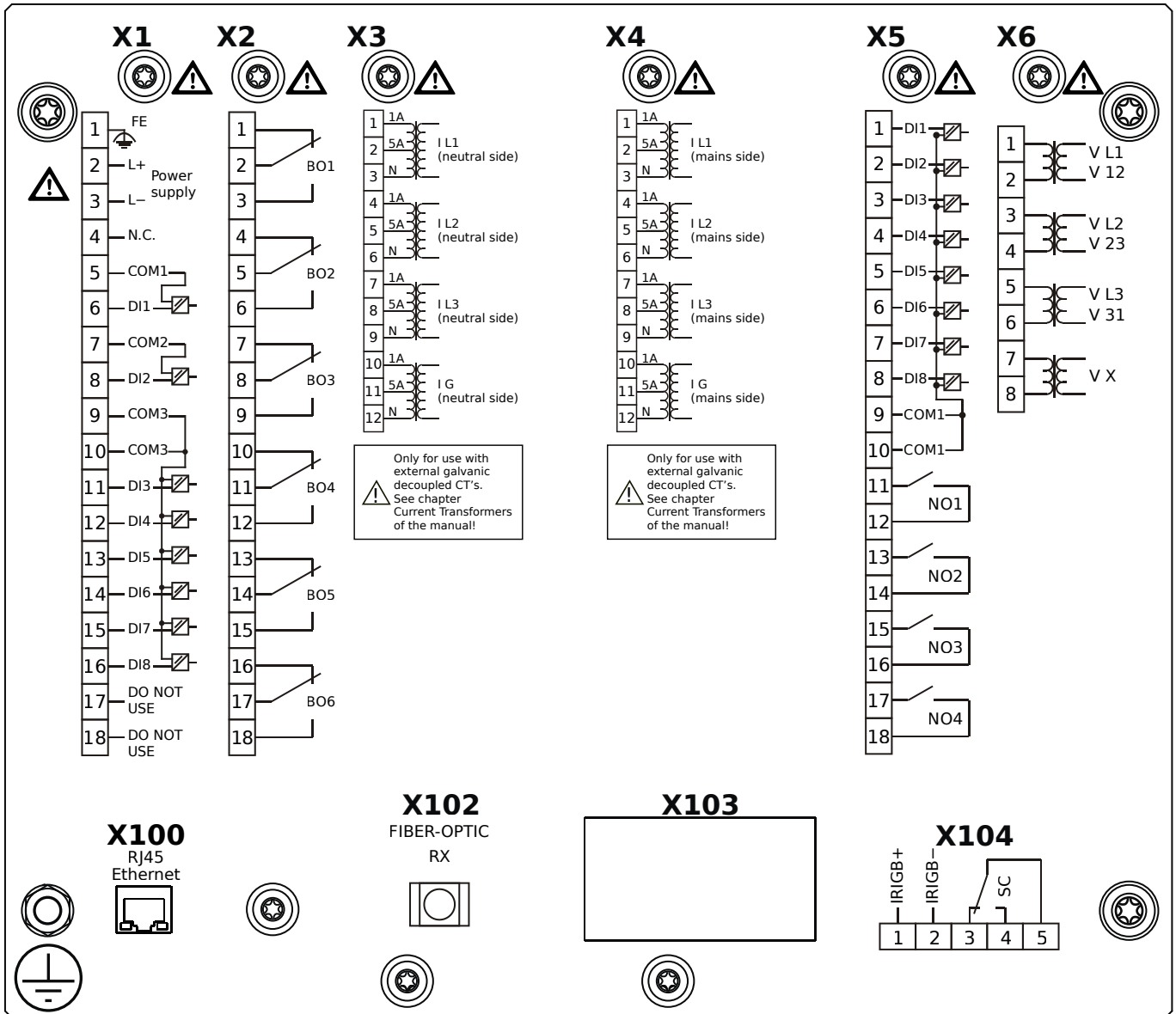


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

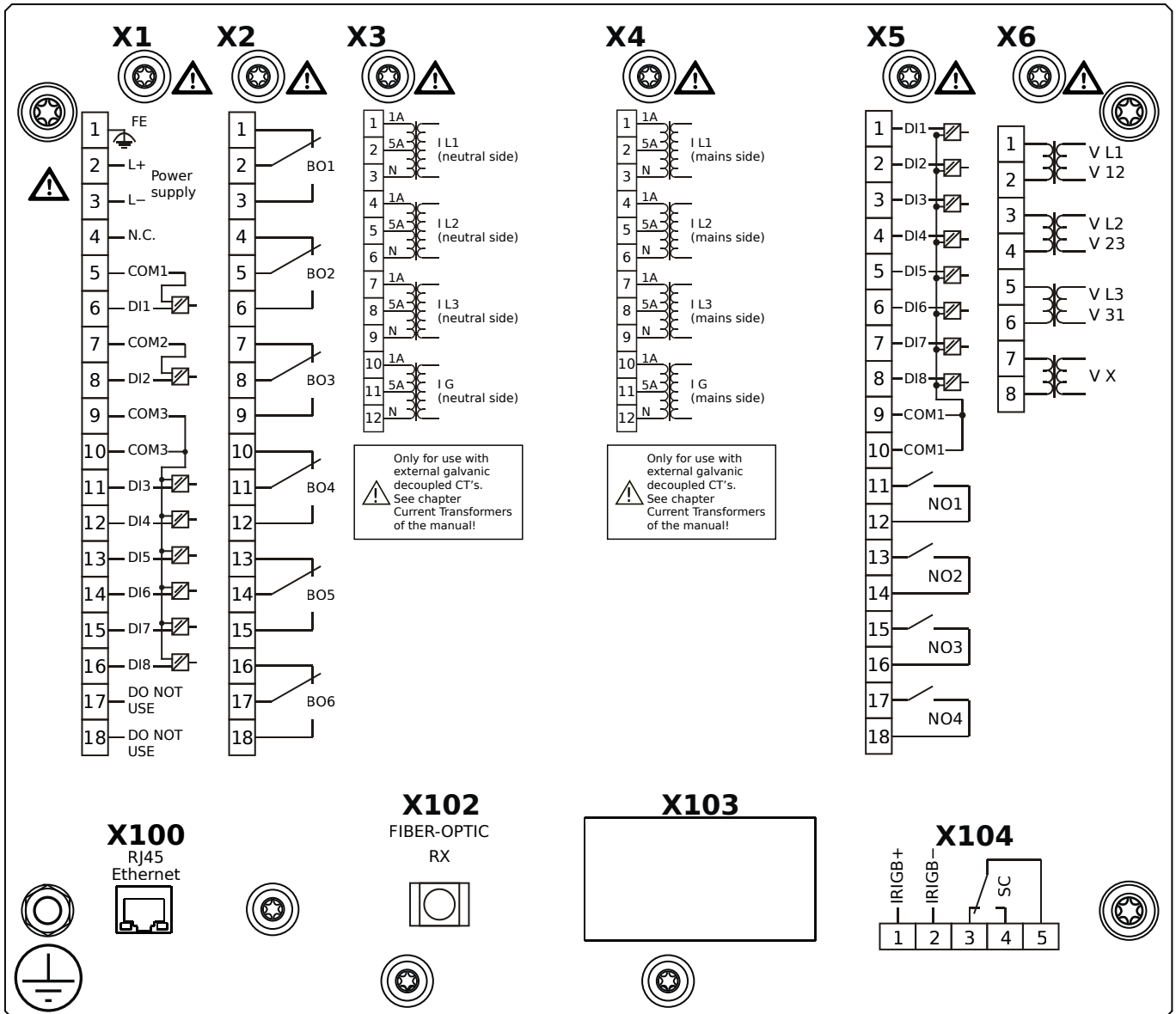
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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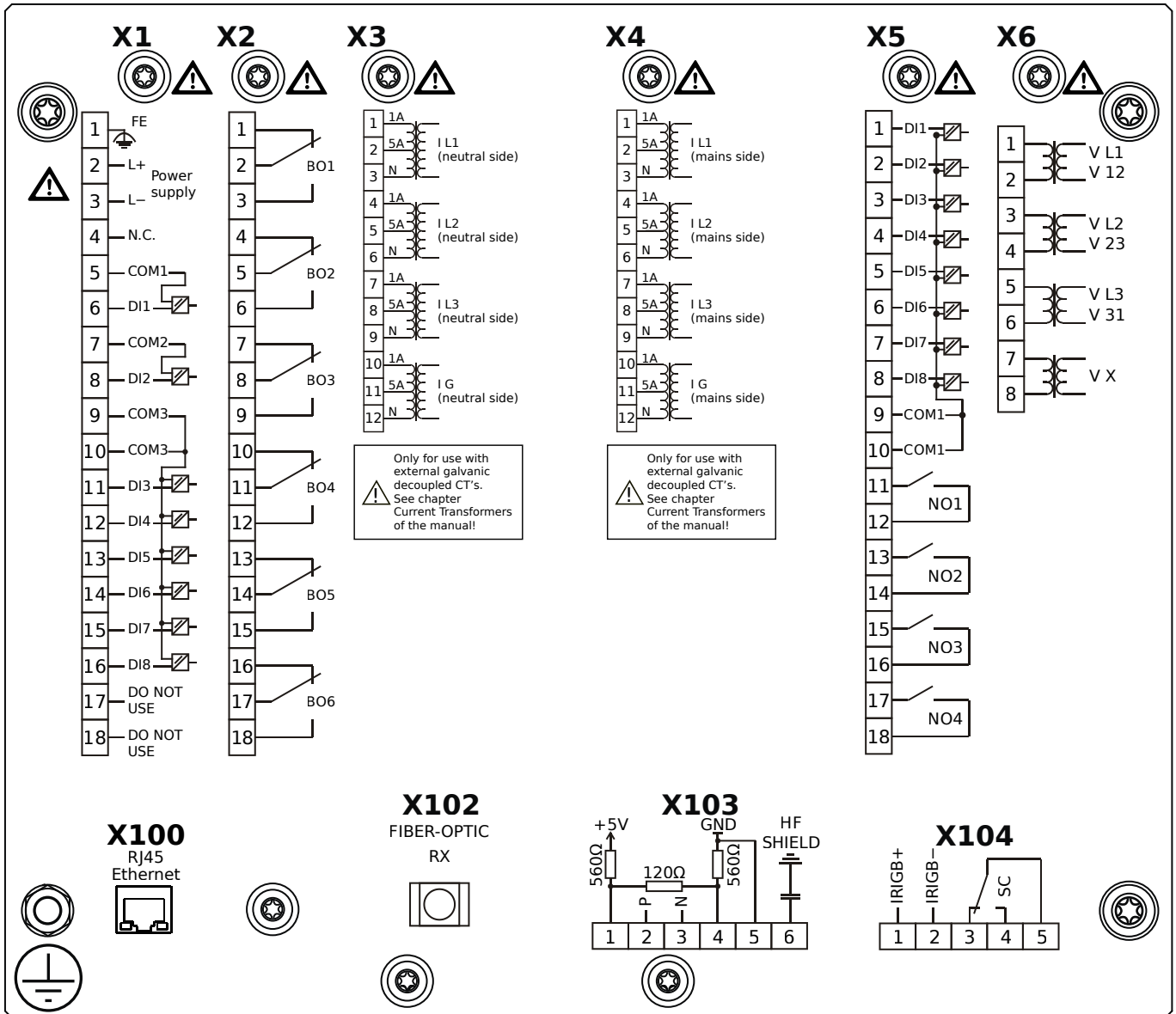


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

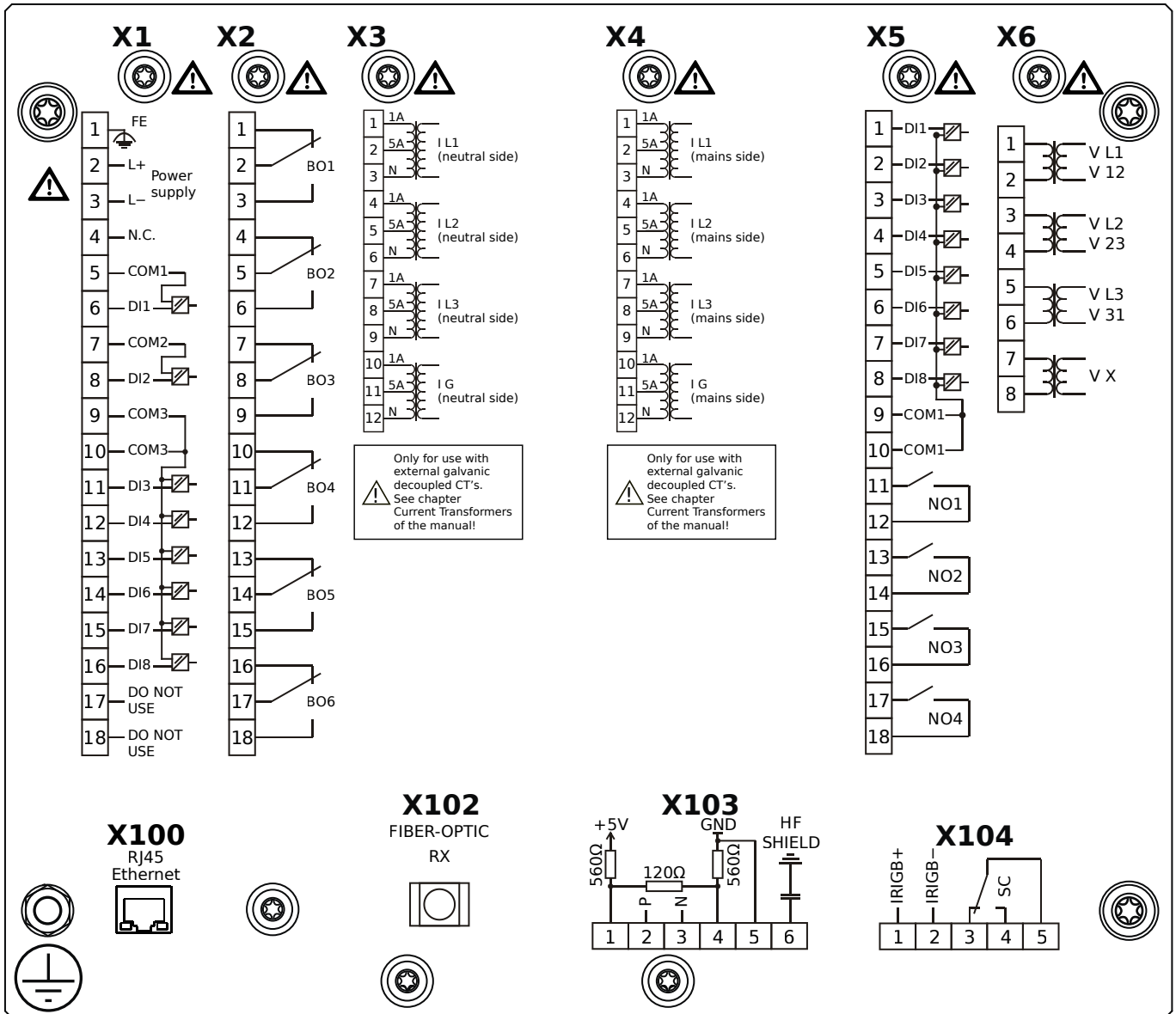
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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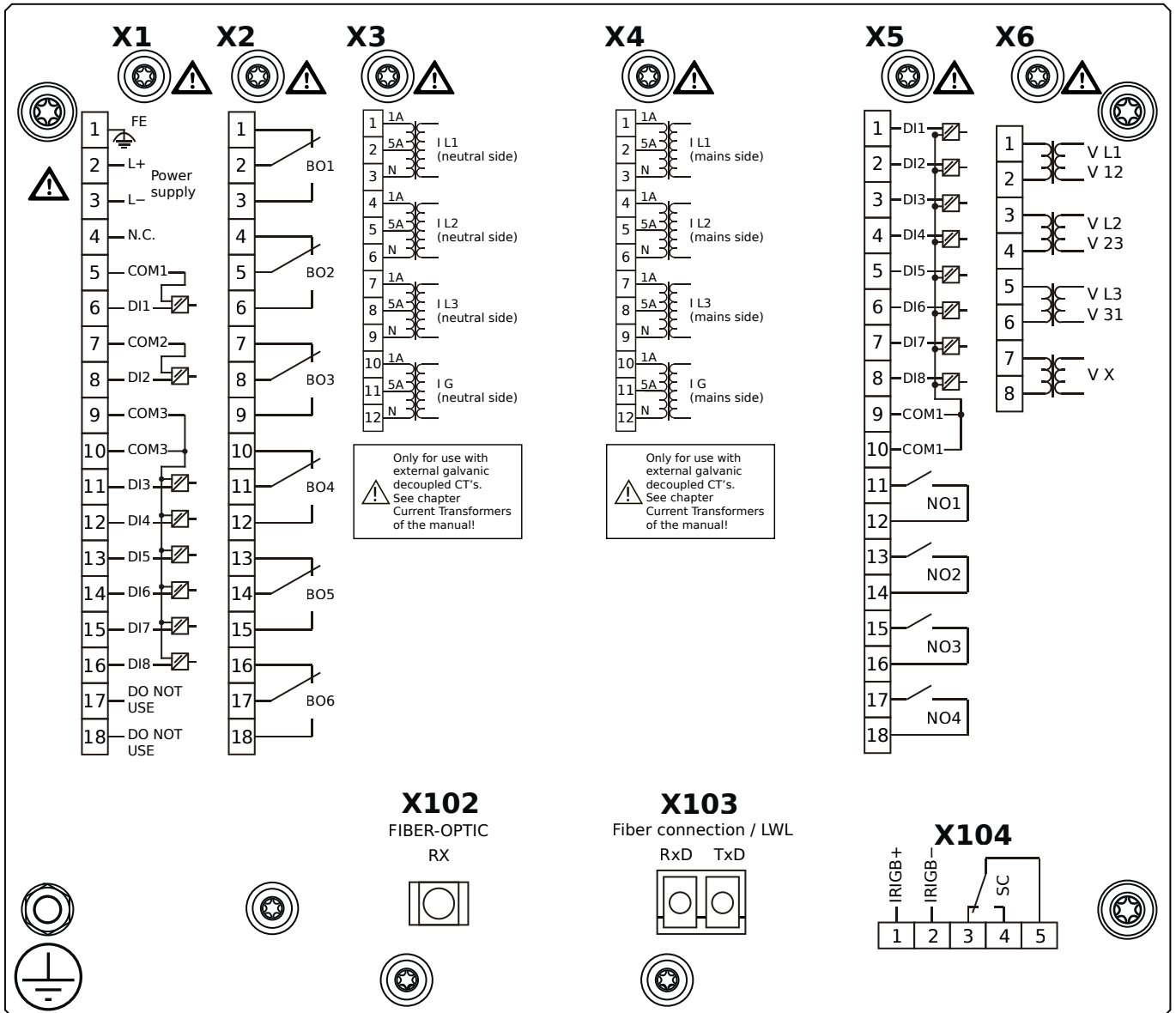


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
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- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

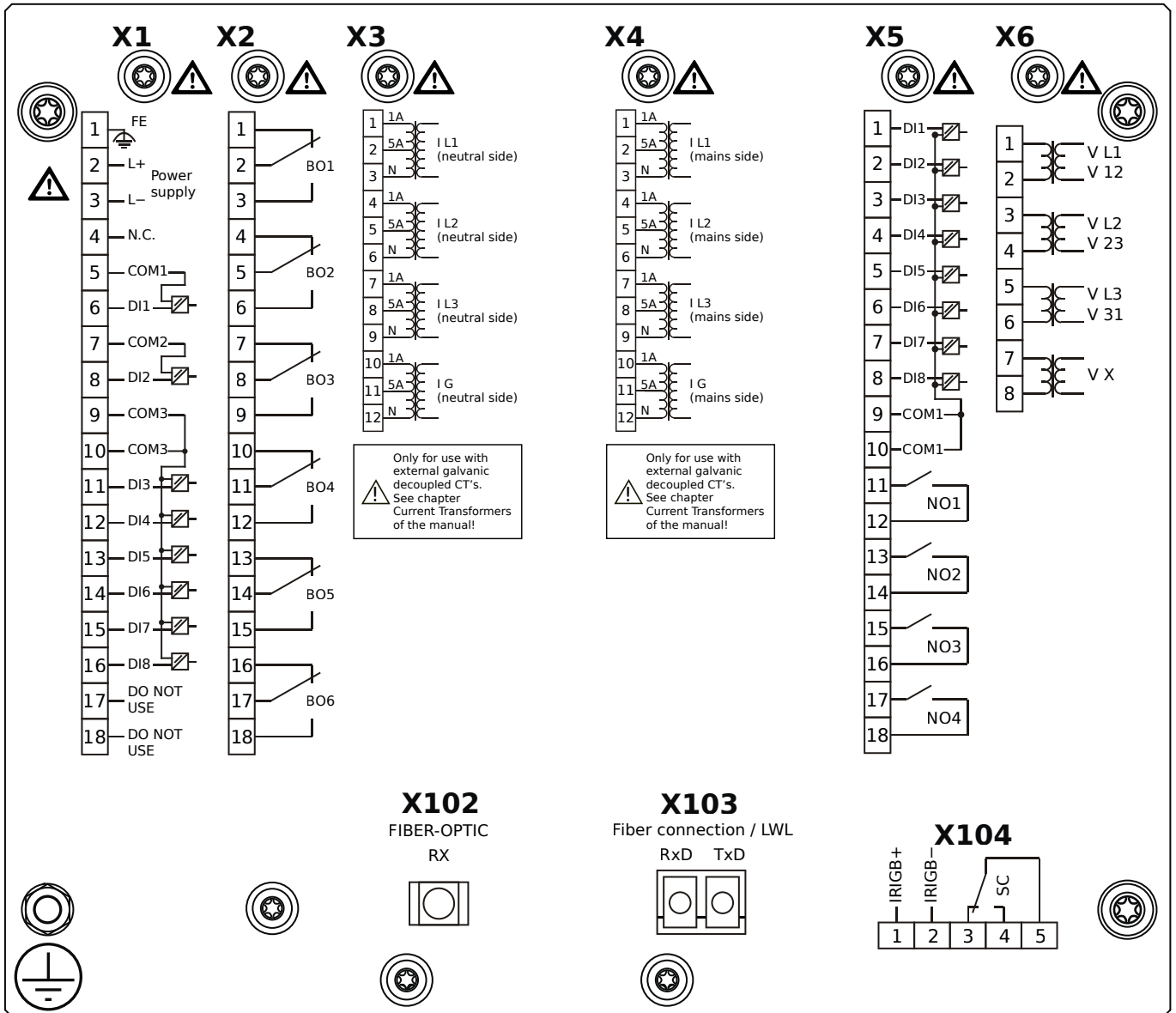
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
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- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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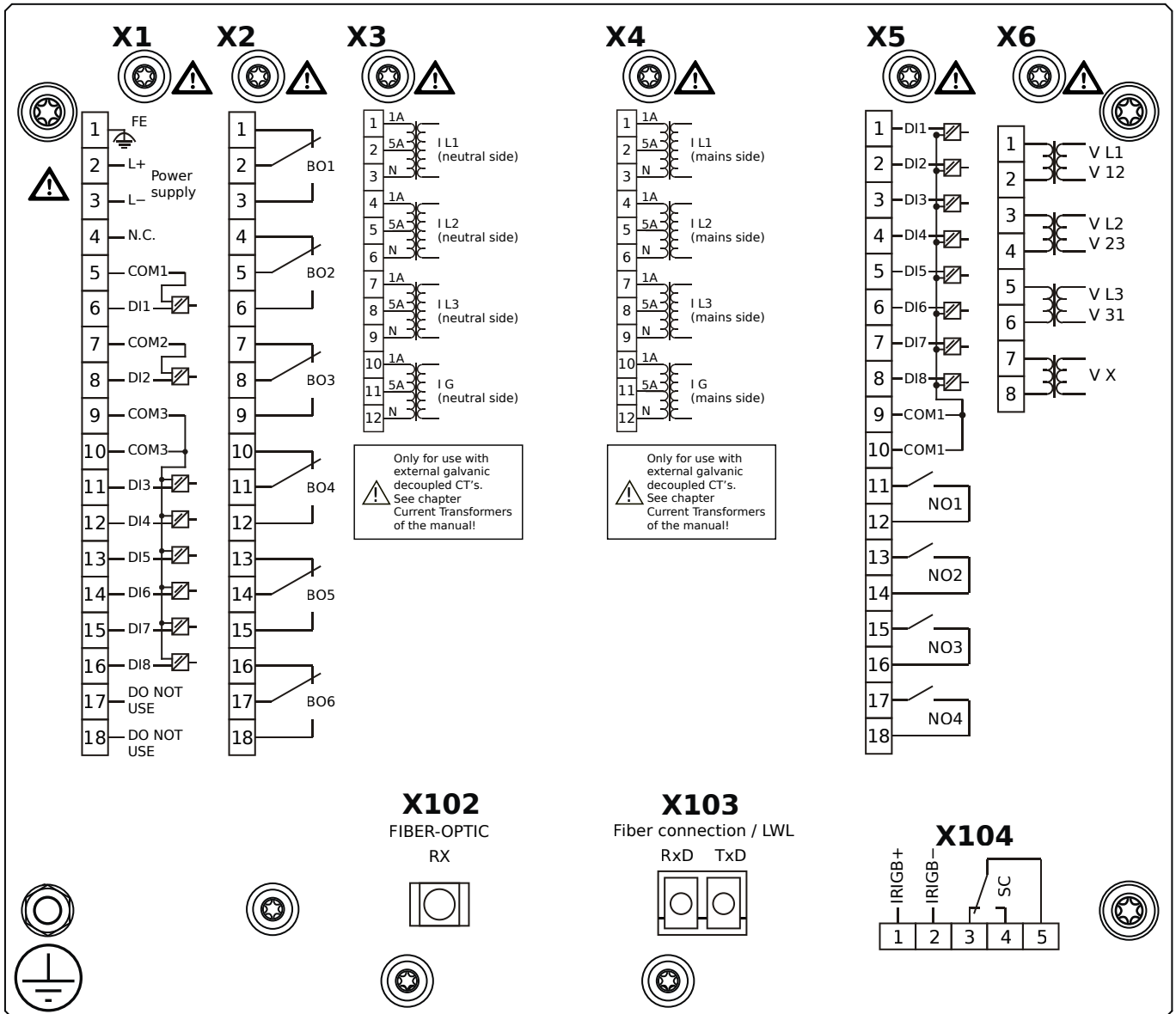


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
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- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

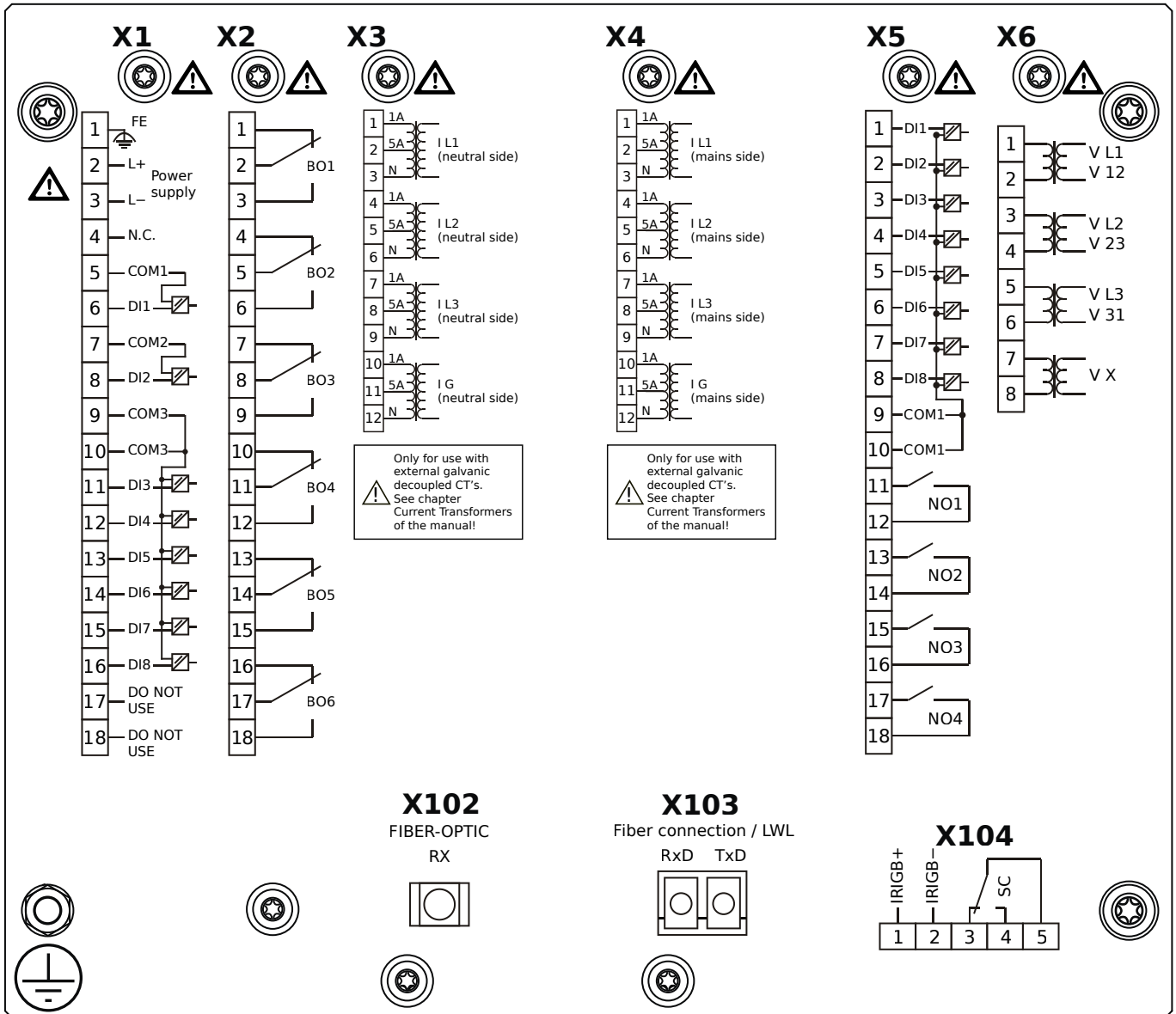
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
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- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
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- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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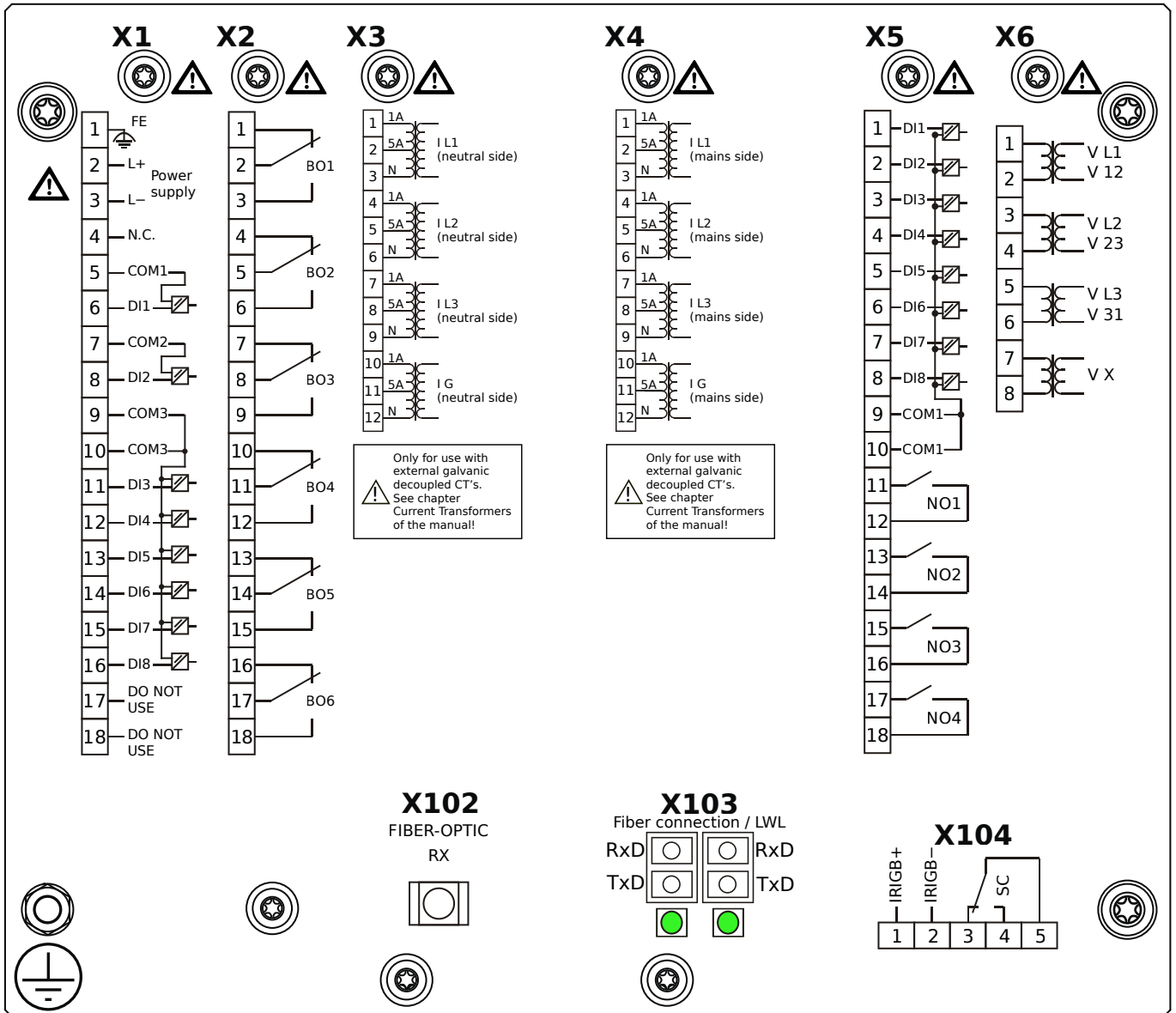


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

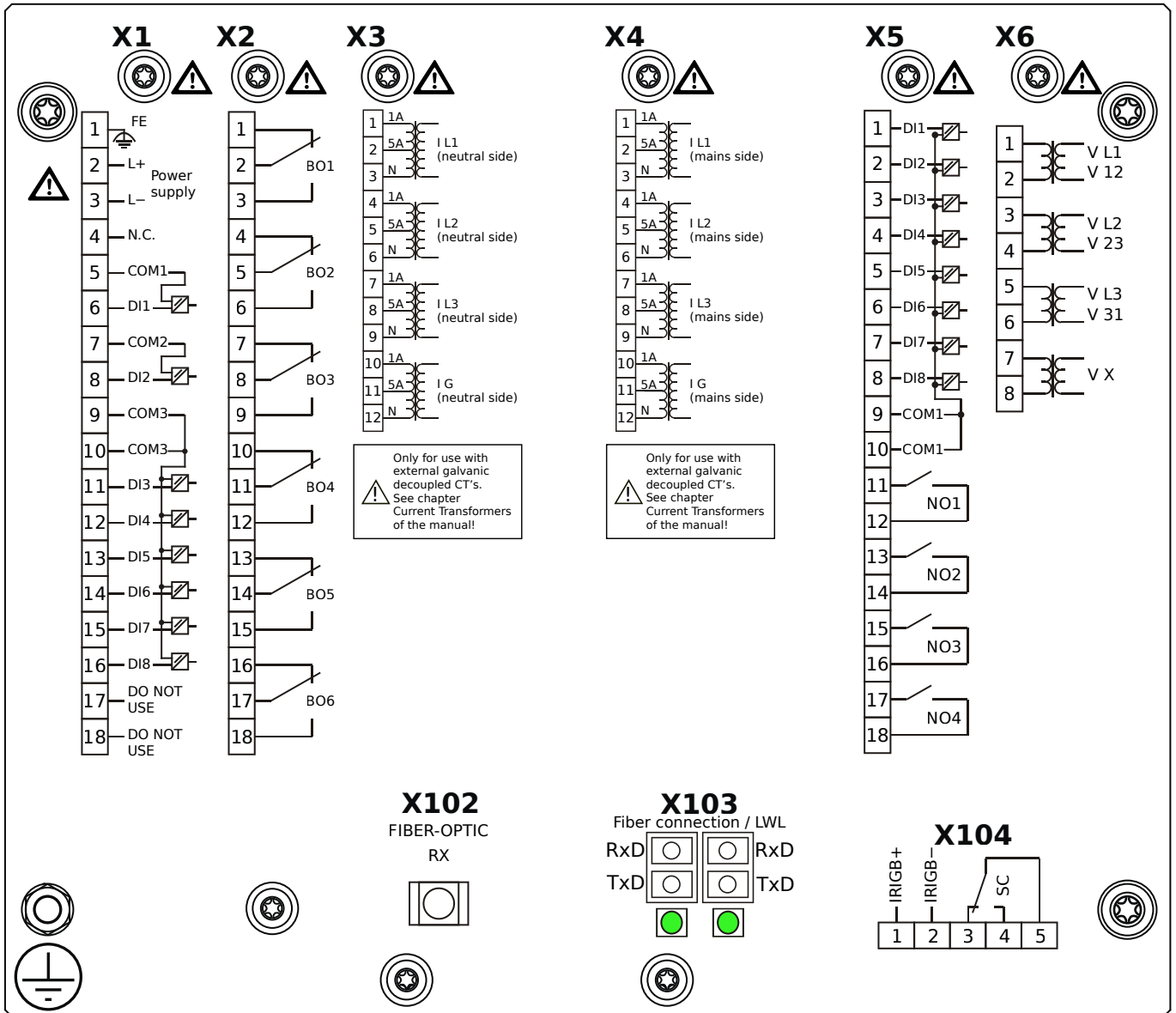
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
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- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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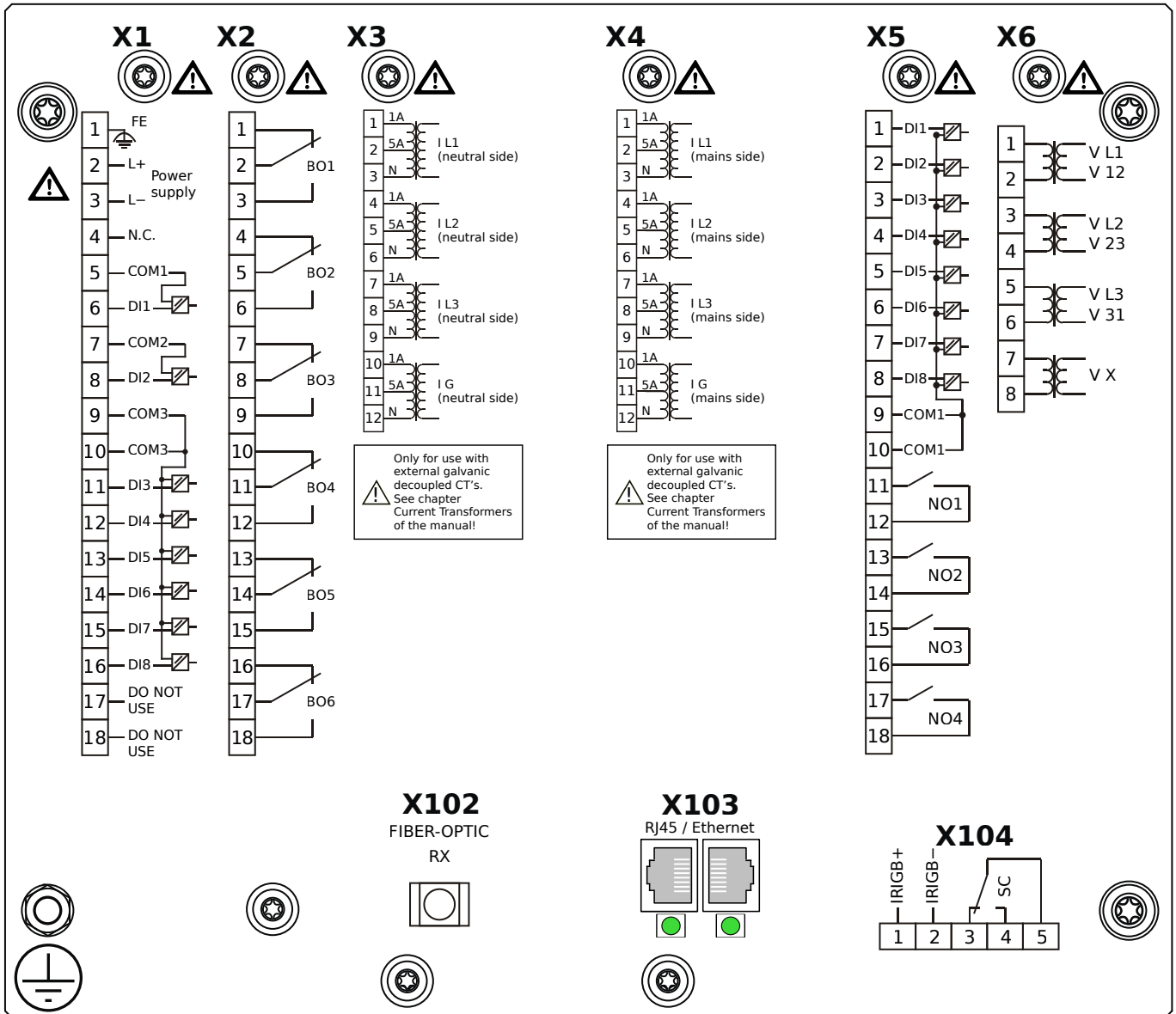


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

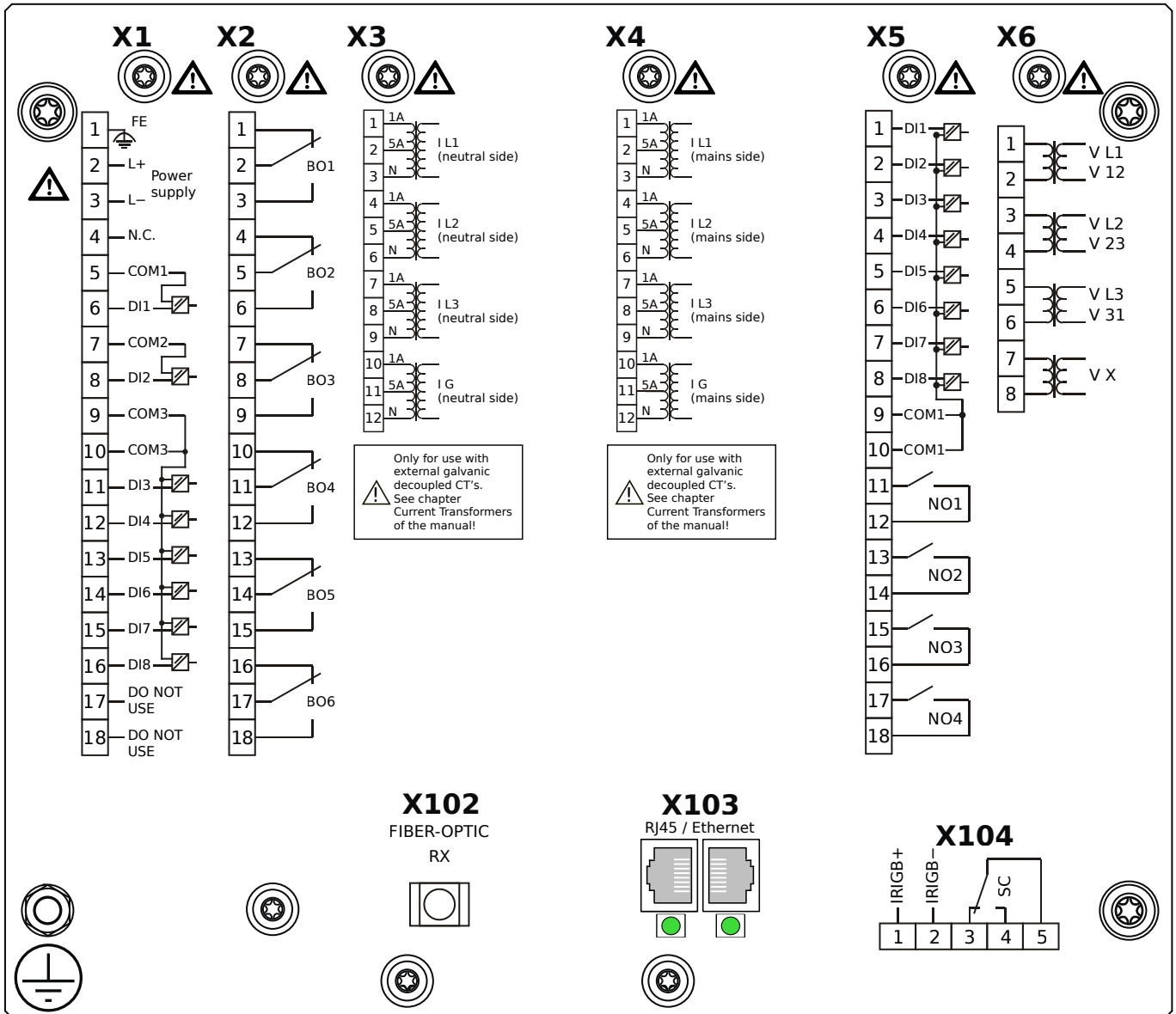
MCDGV4-2A0BPA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A0BPB

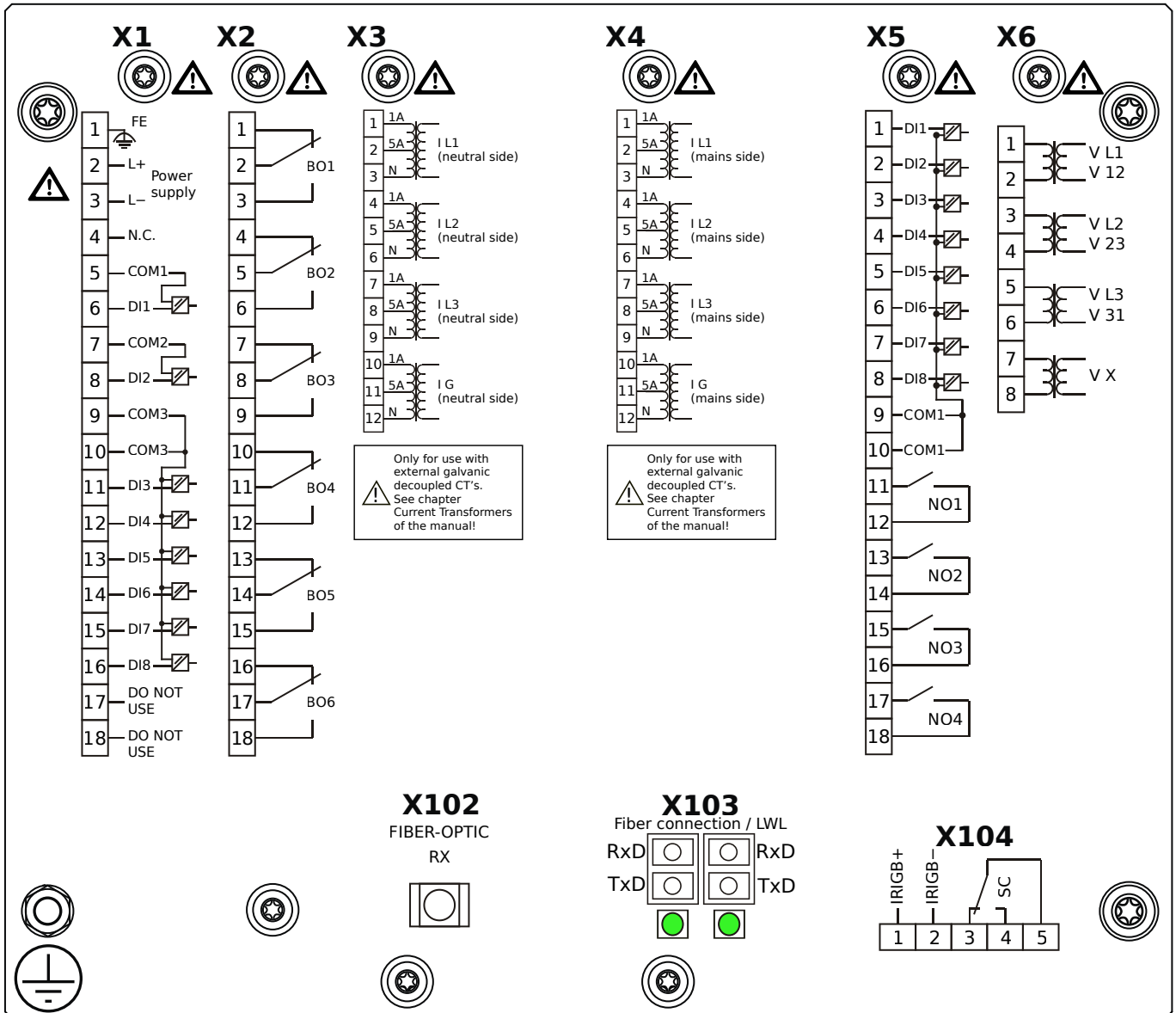


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

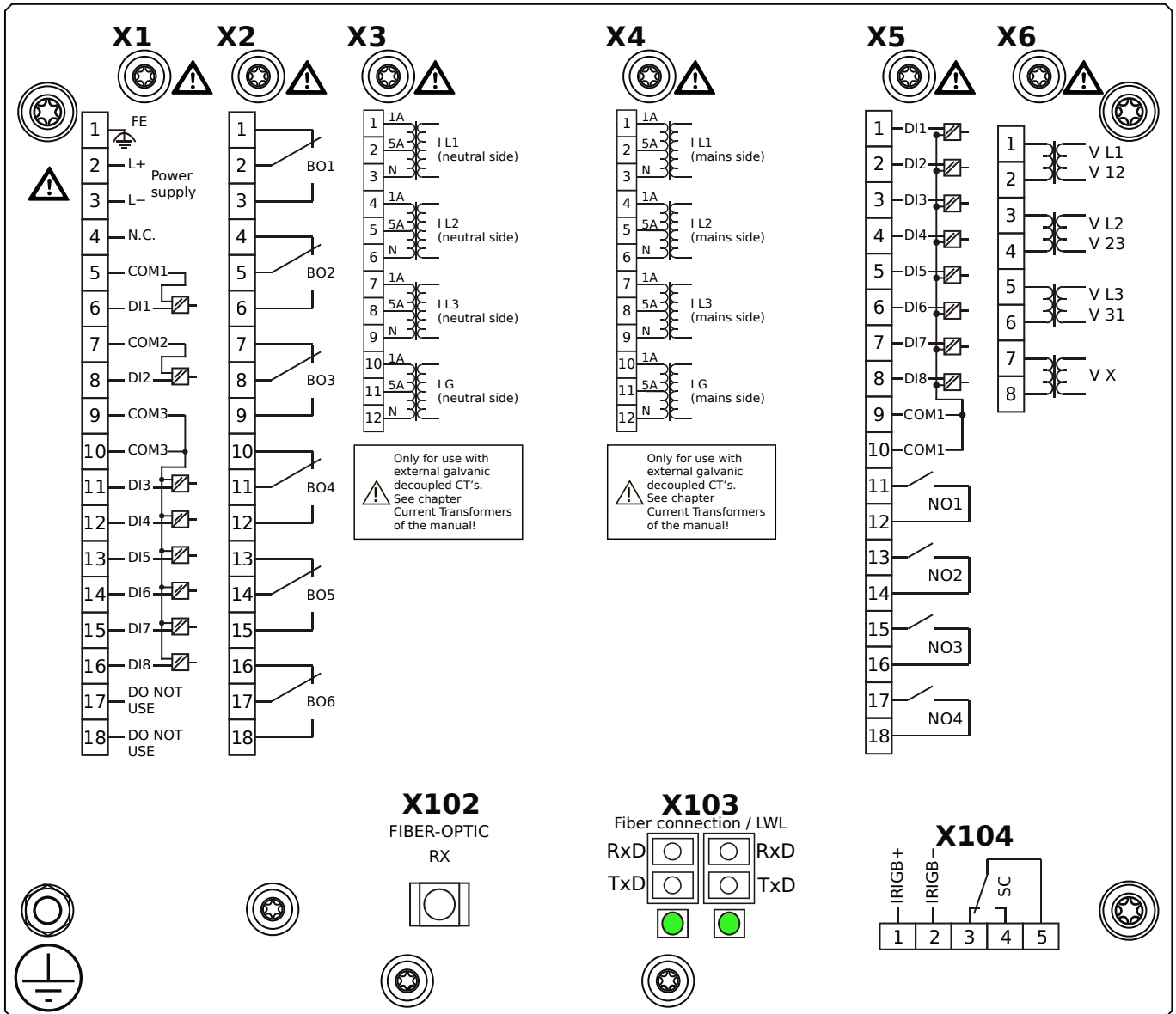
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A0BQB

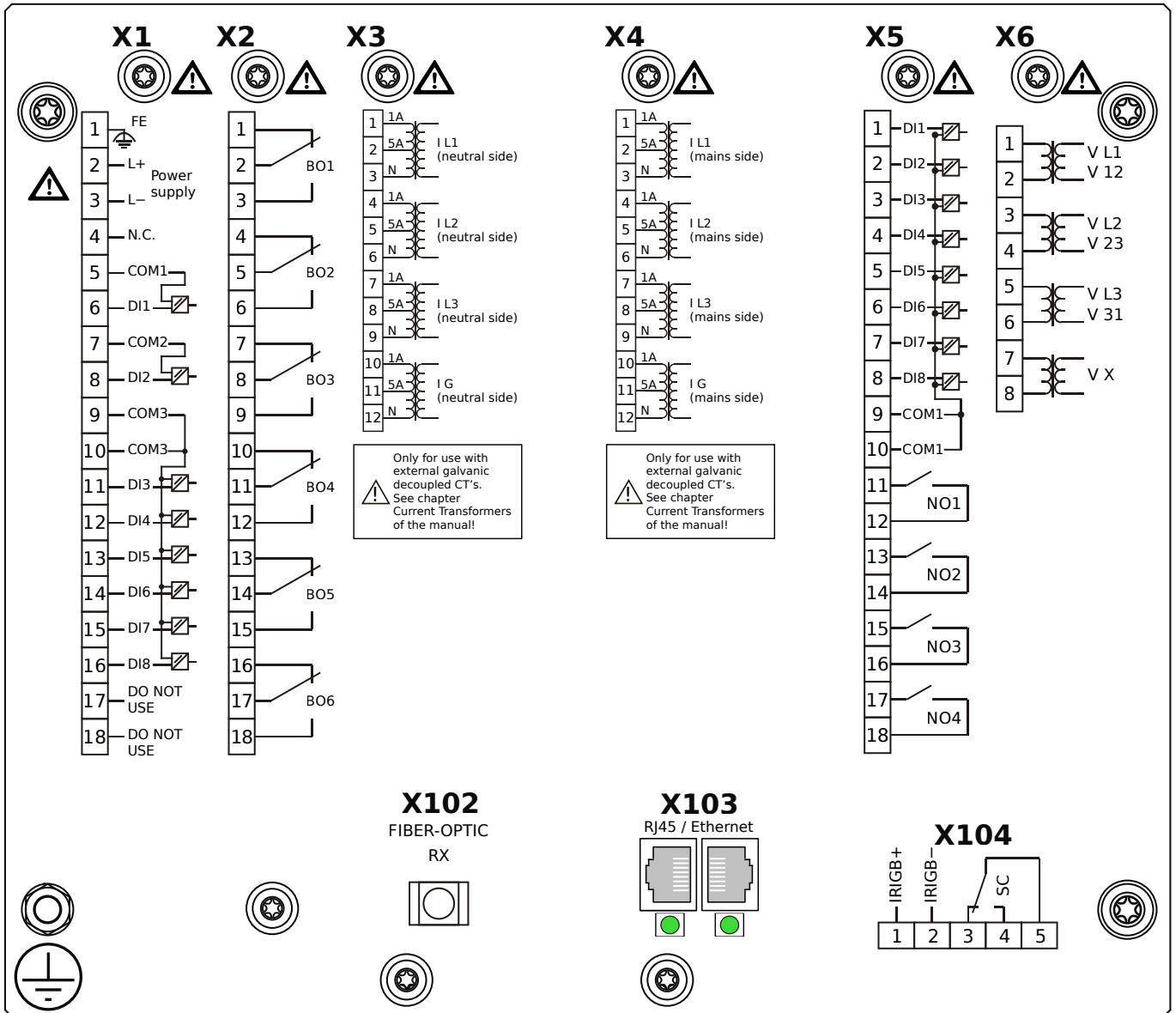


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

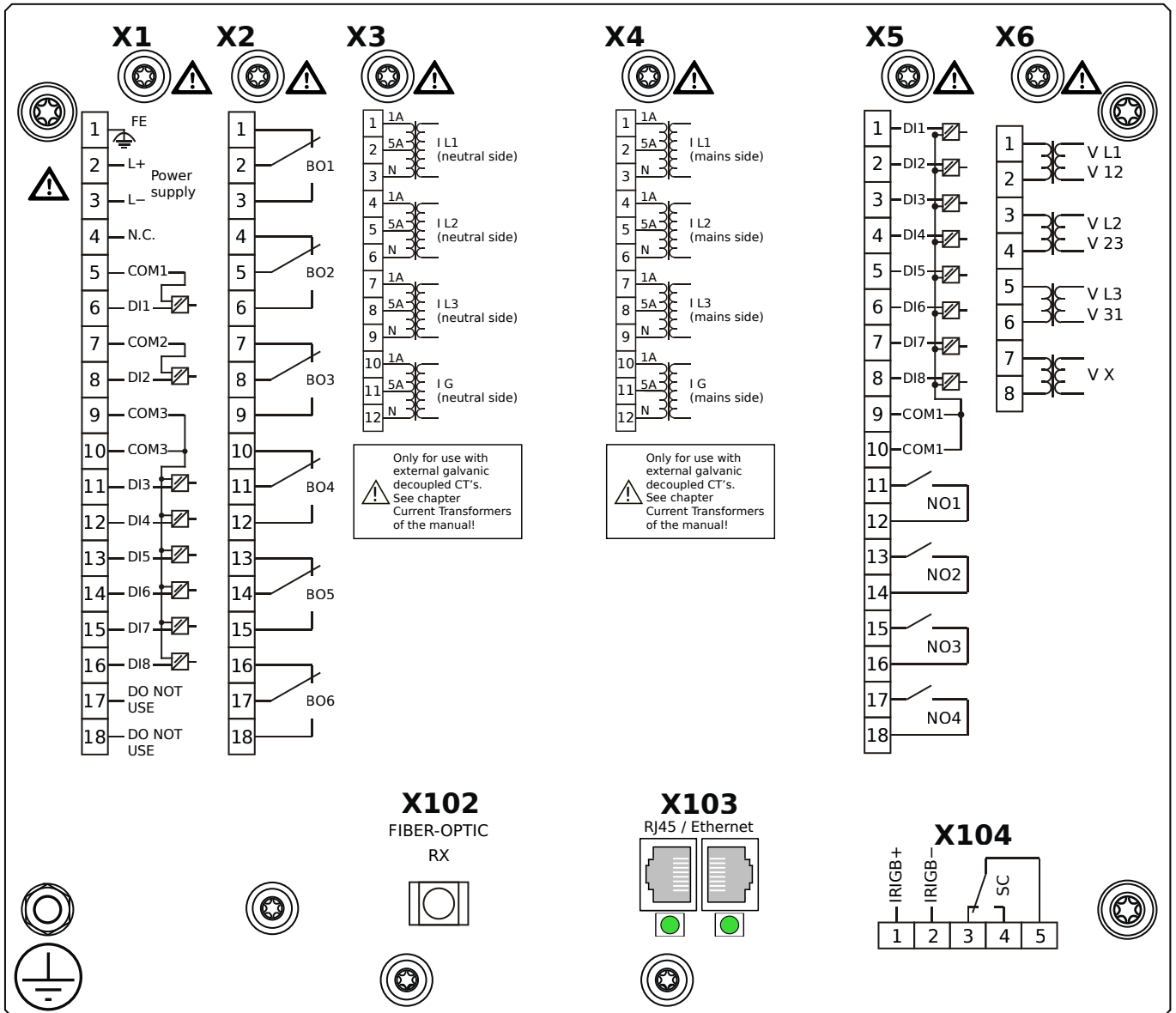
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45
- (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A0BRB



Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TI: Standard current measuring card (for the neutral side of the differential protection)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)

X6 – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)

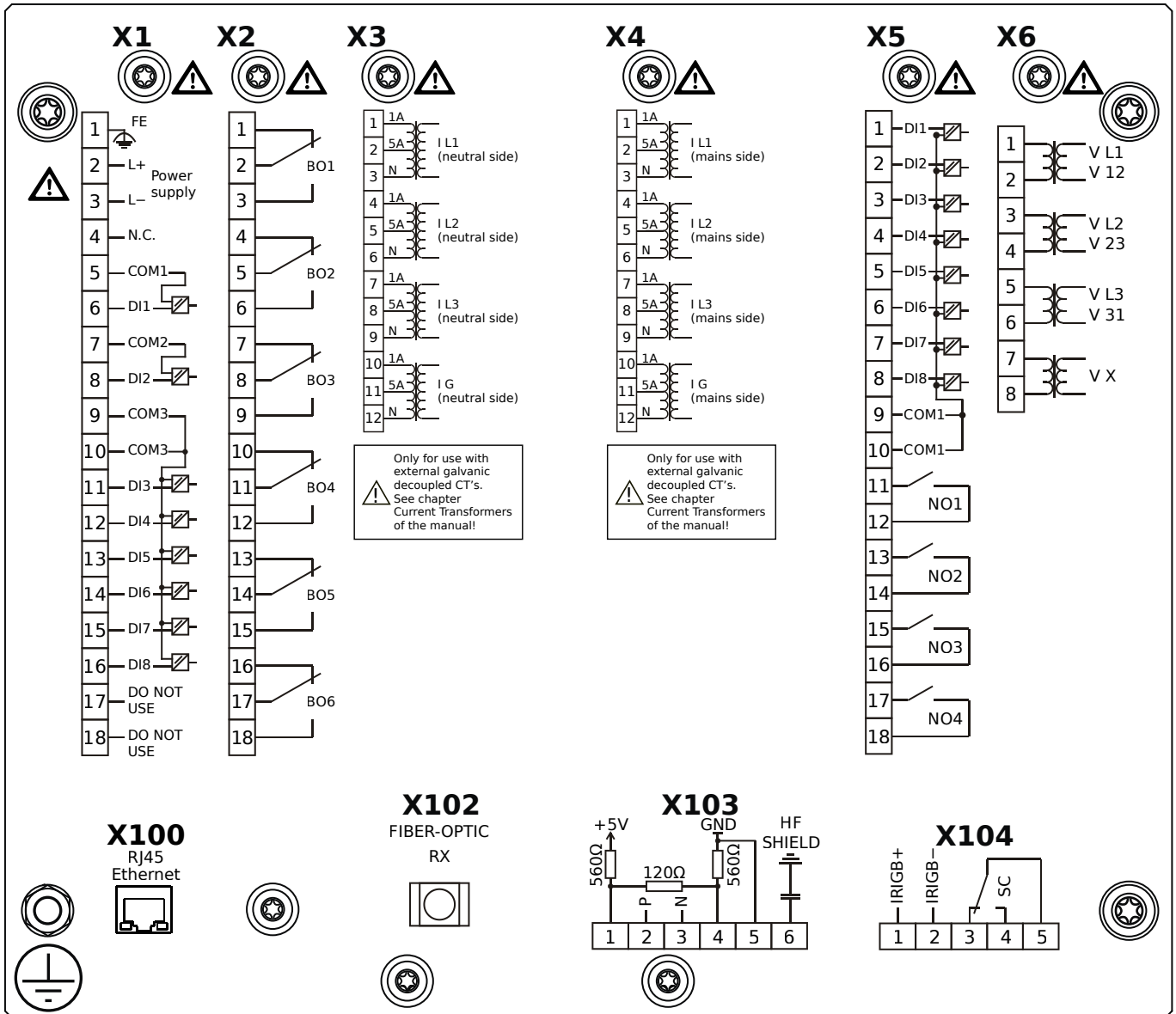
X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45

(BASE100-FX)

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

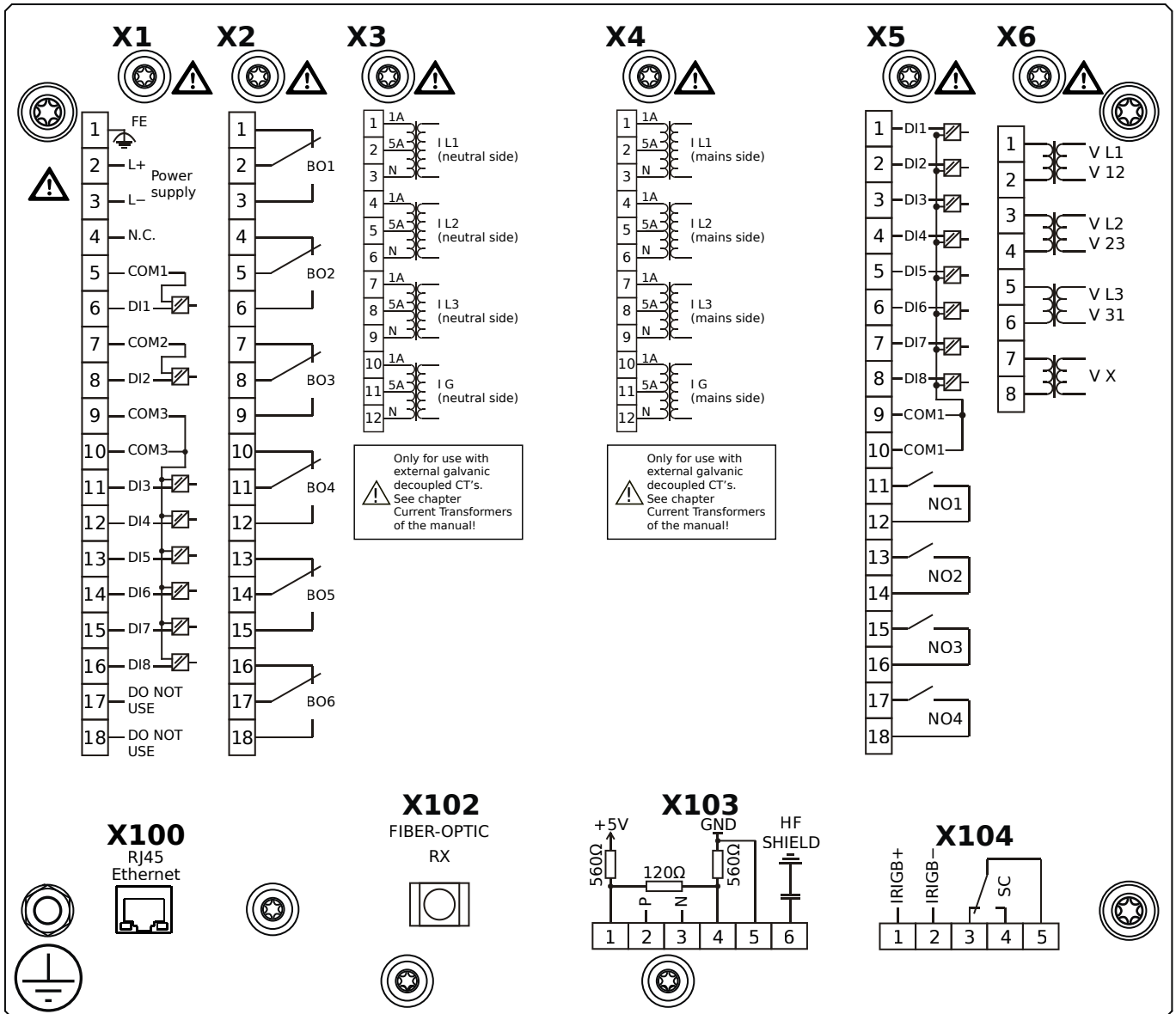
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A0BTB



Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TI: Standard current measuring card (for the neutral side of the differential protection)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)

X6 – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)

X100 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-

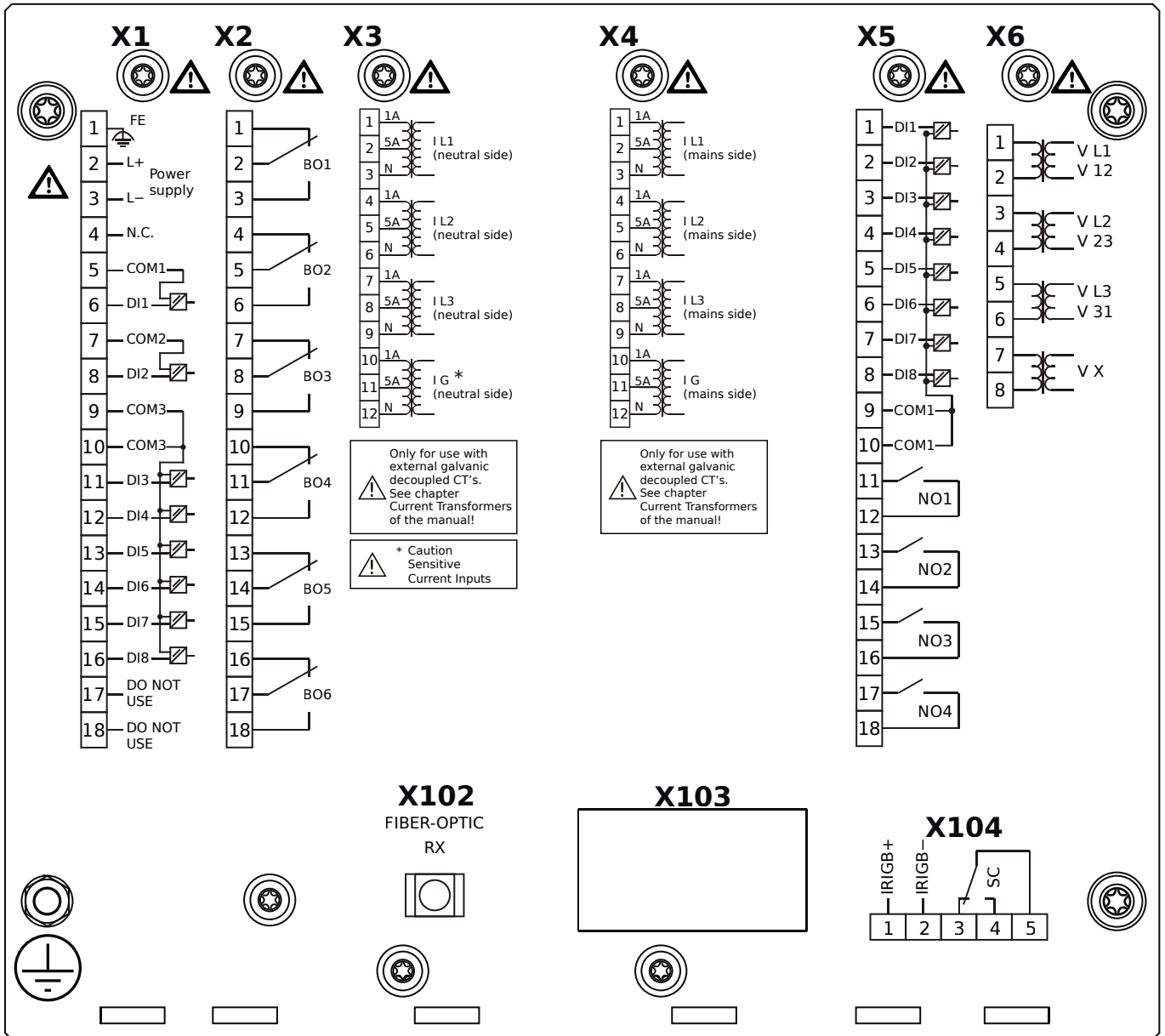
FX)

X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

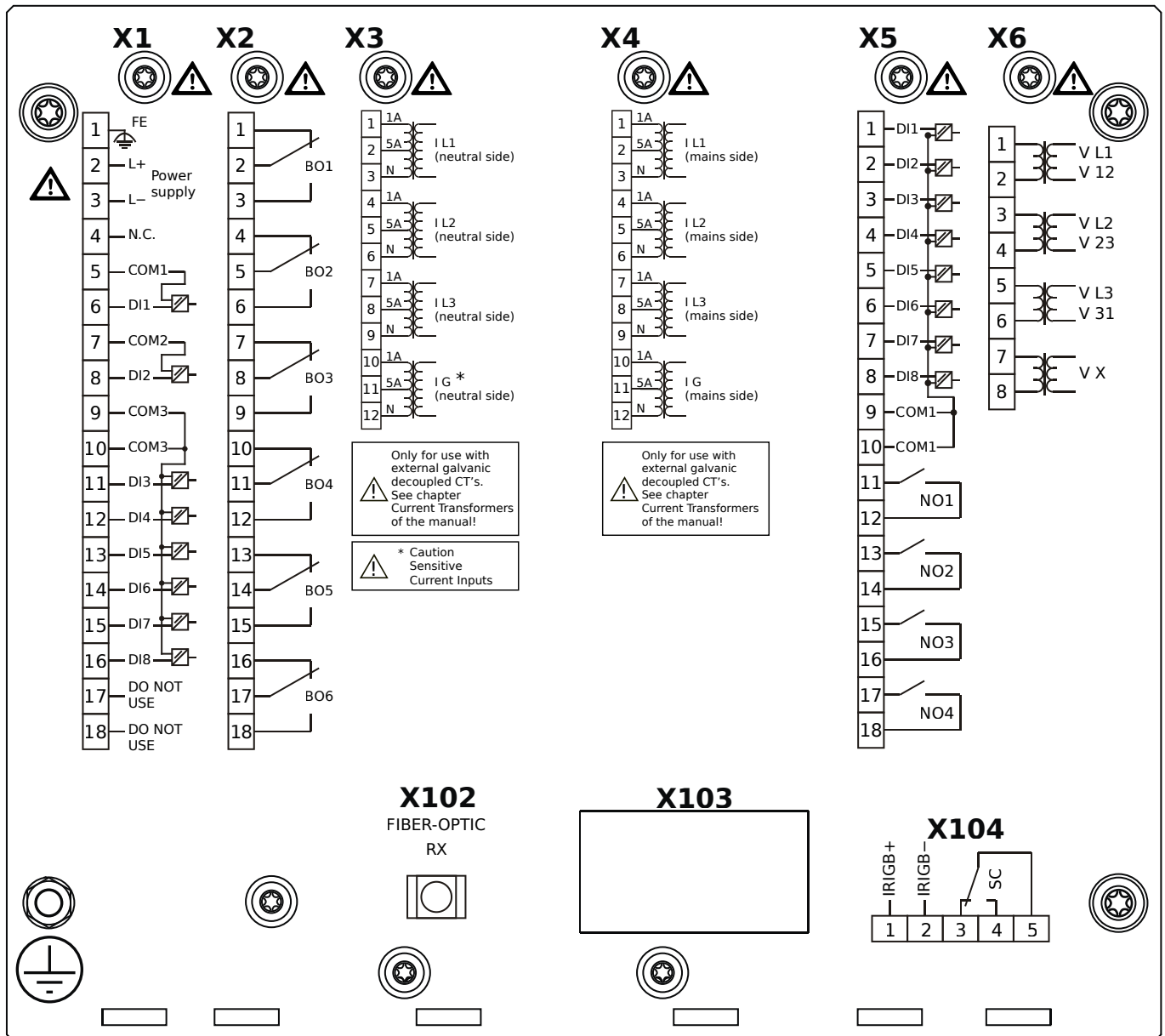
MCDGV4-2A1AAA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1AAB

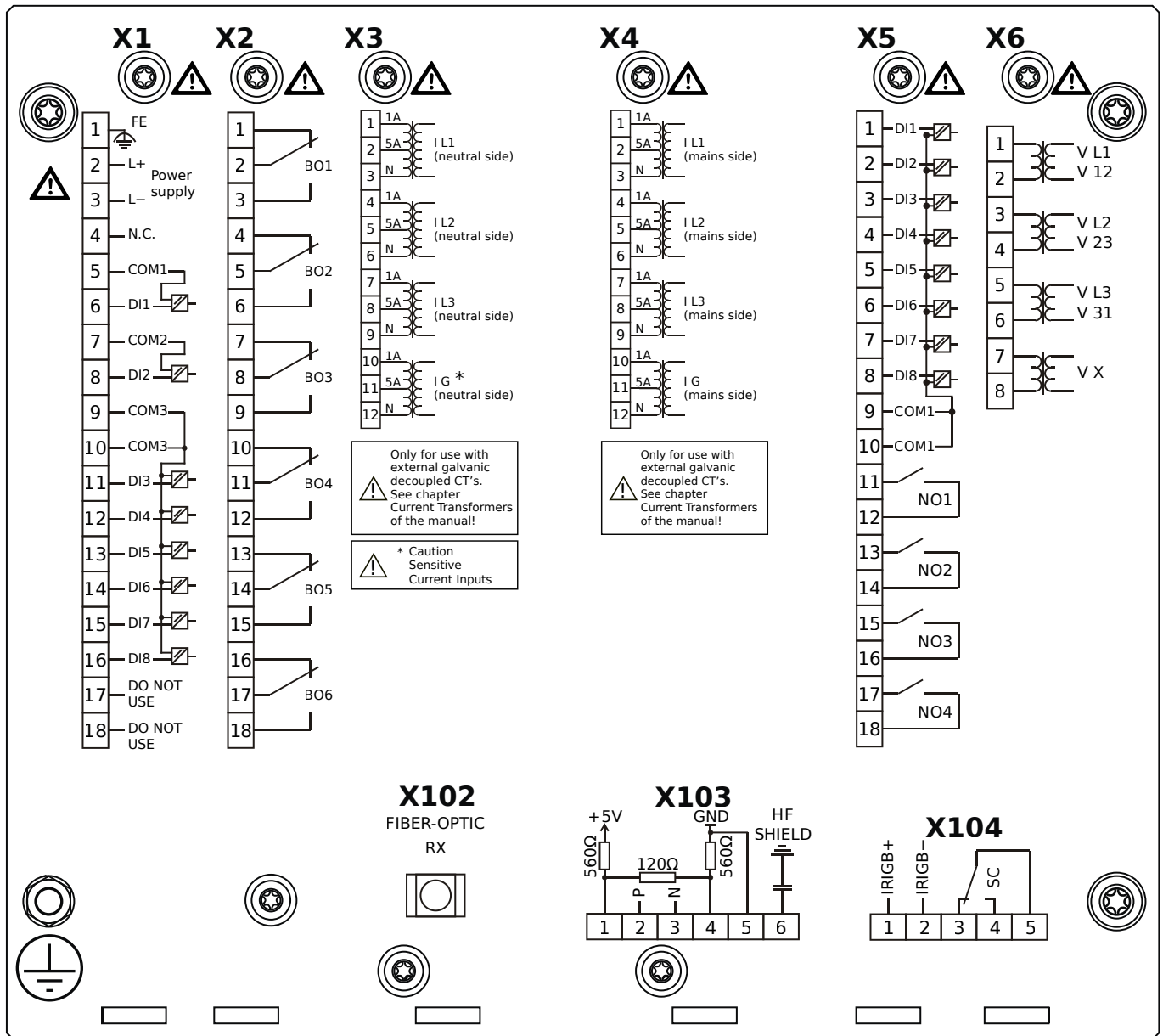


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

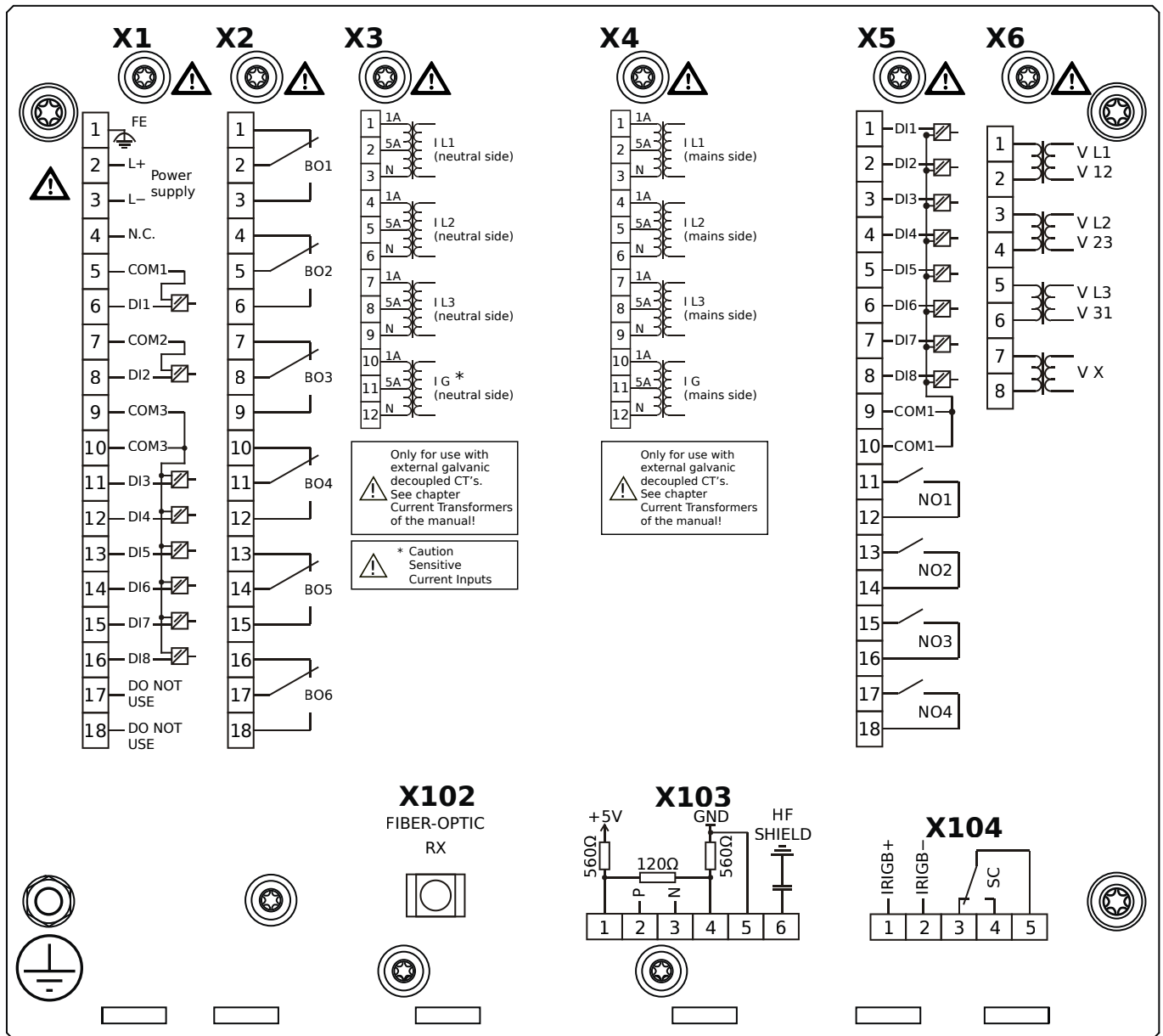
MCDGV4-2A1ABA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1ABB

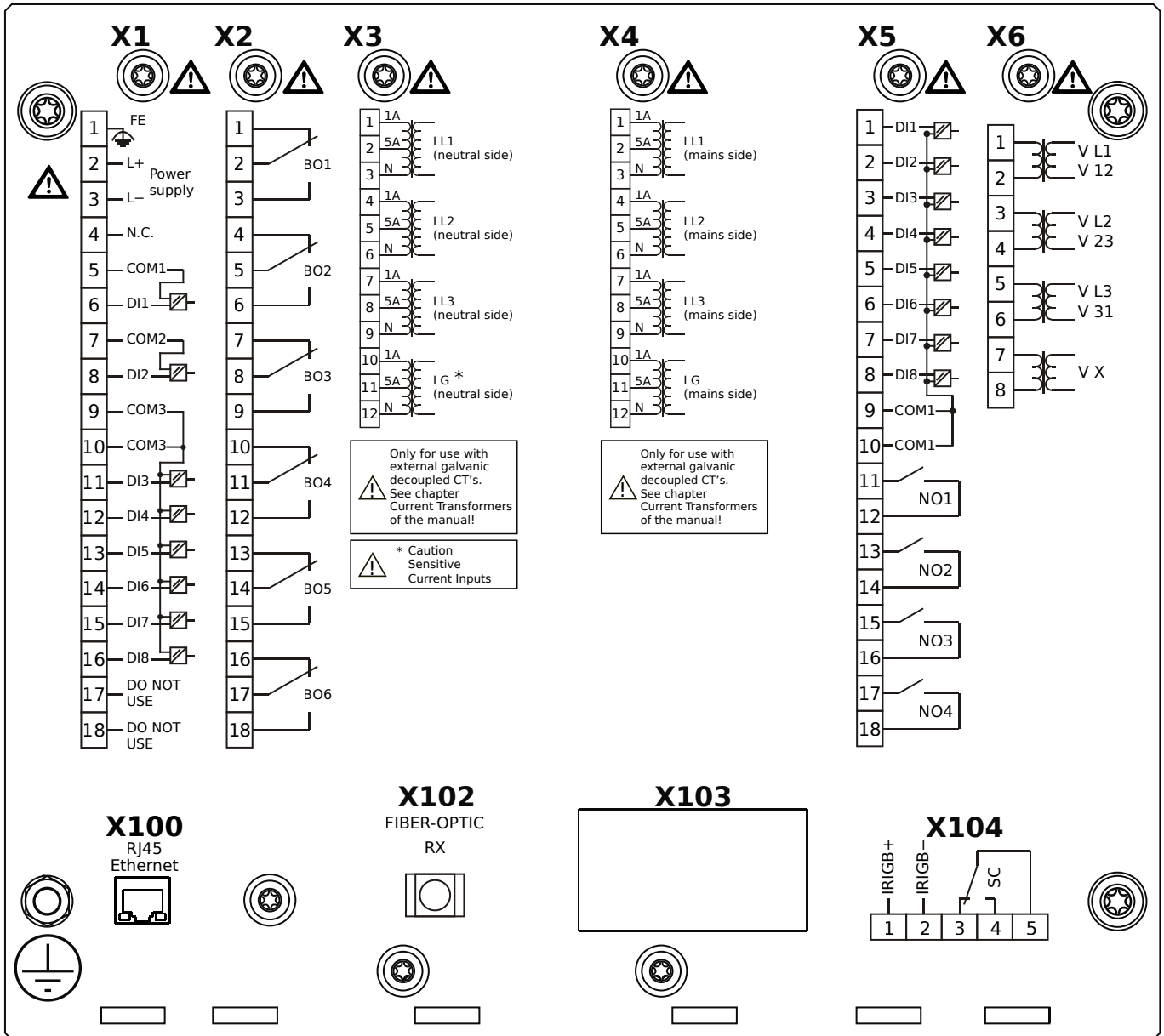


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

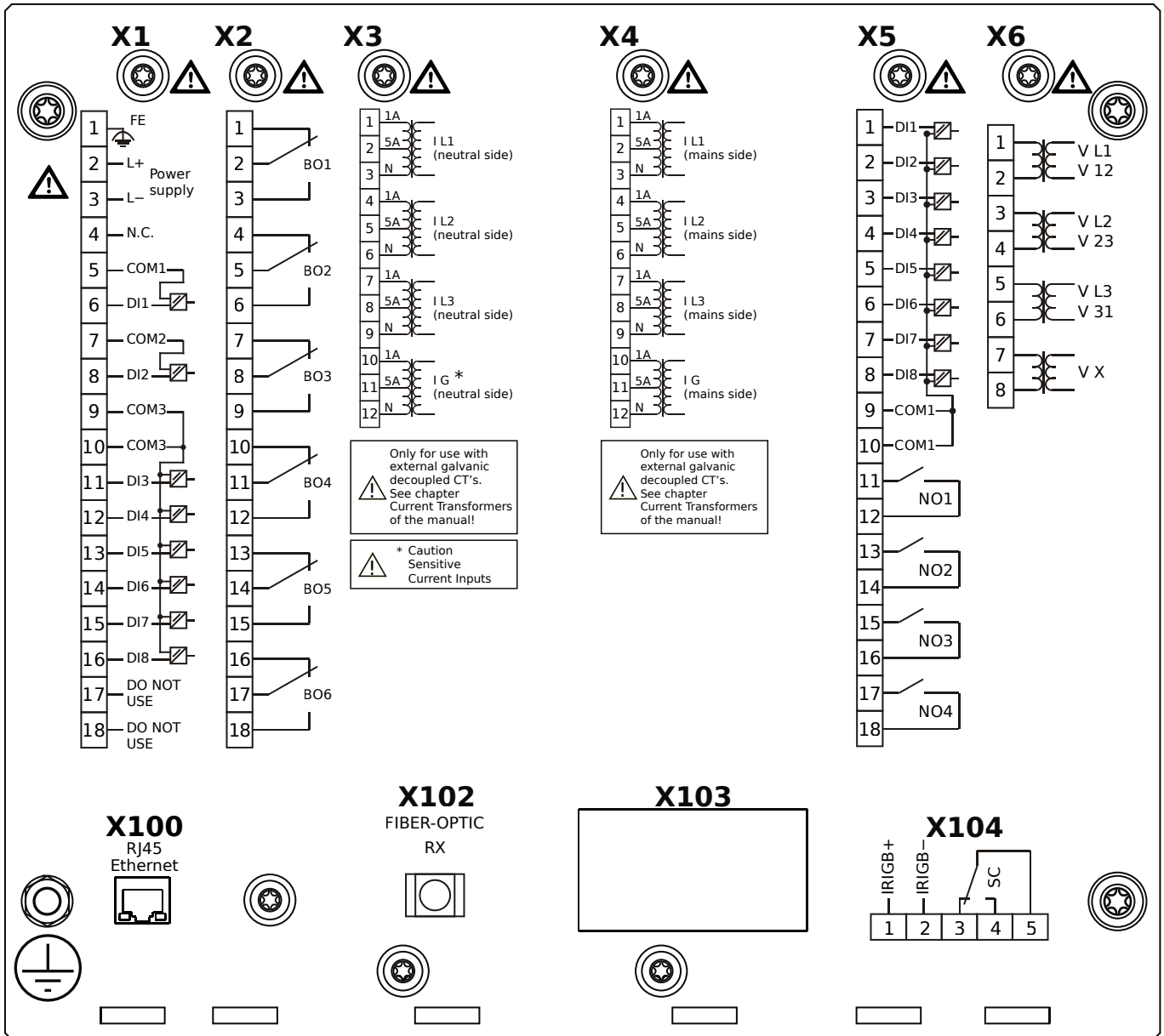
MCDGV4-2A1ACA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1ACB

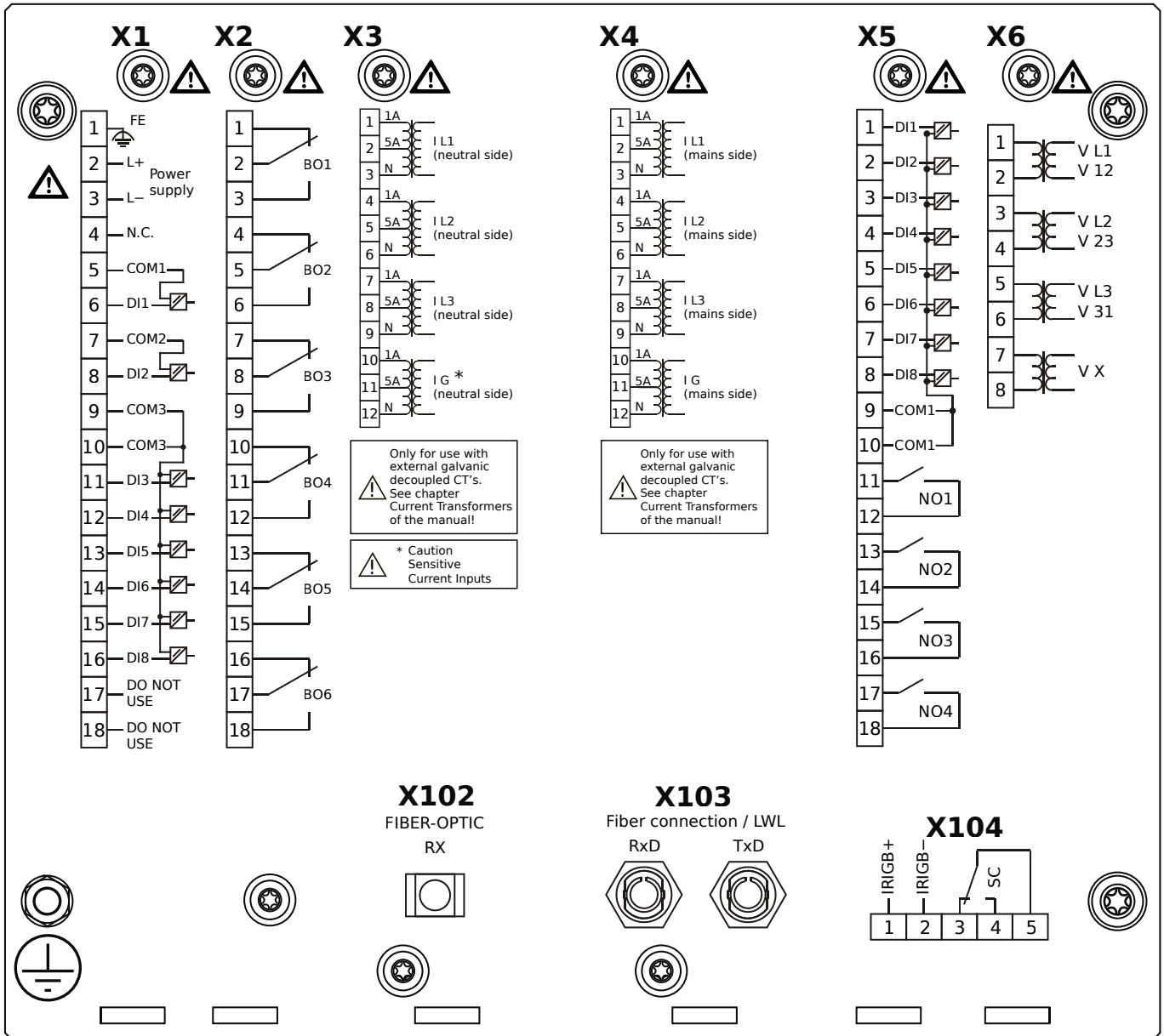


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

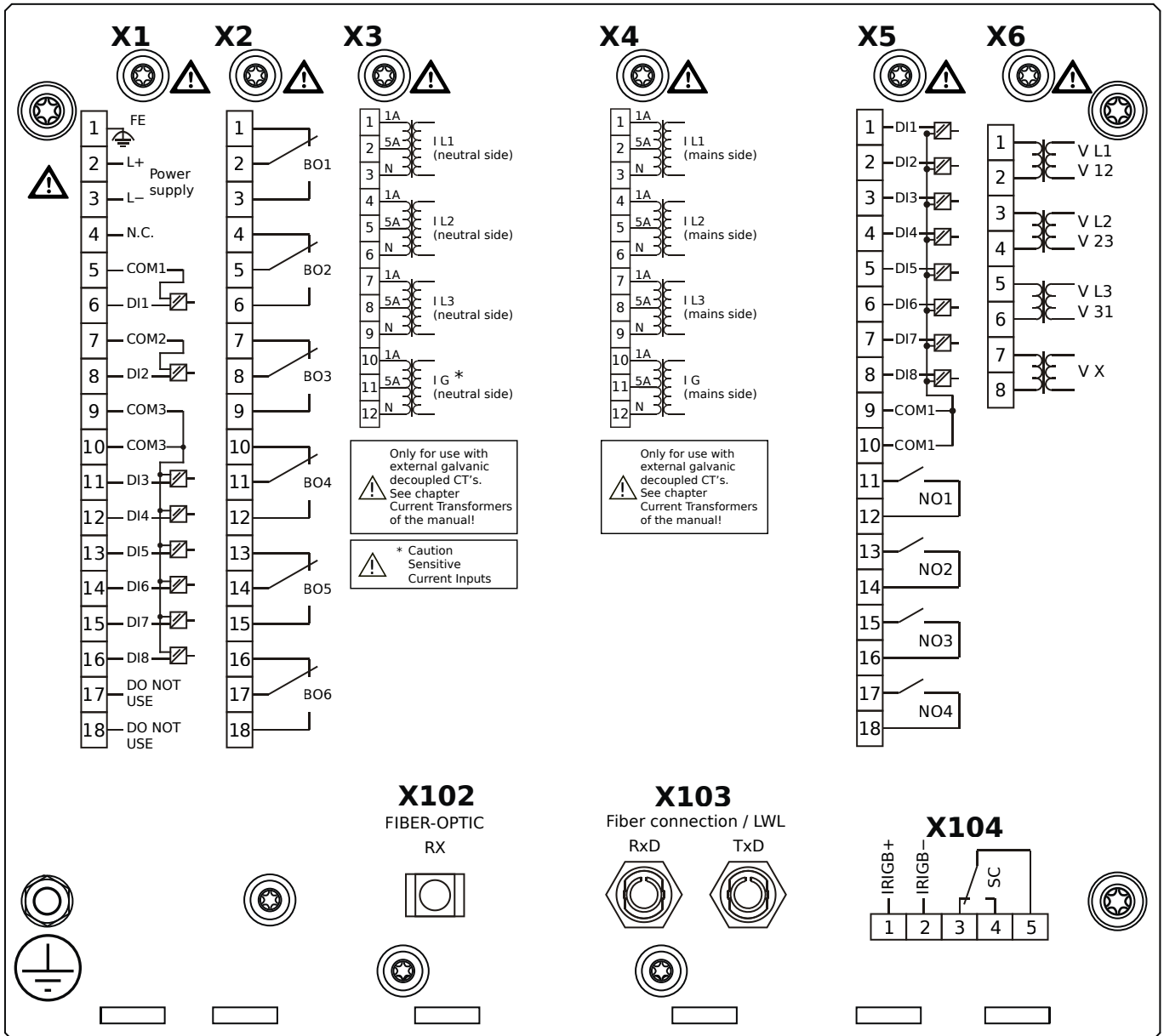
MCDGV4-2A1ADA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1ADB

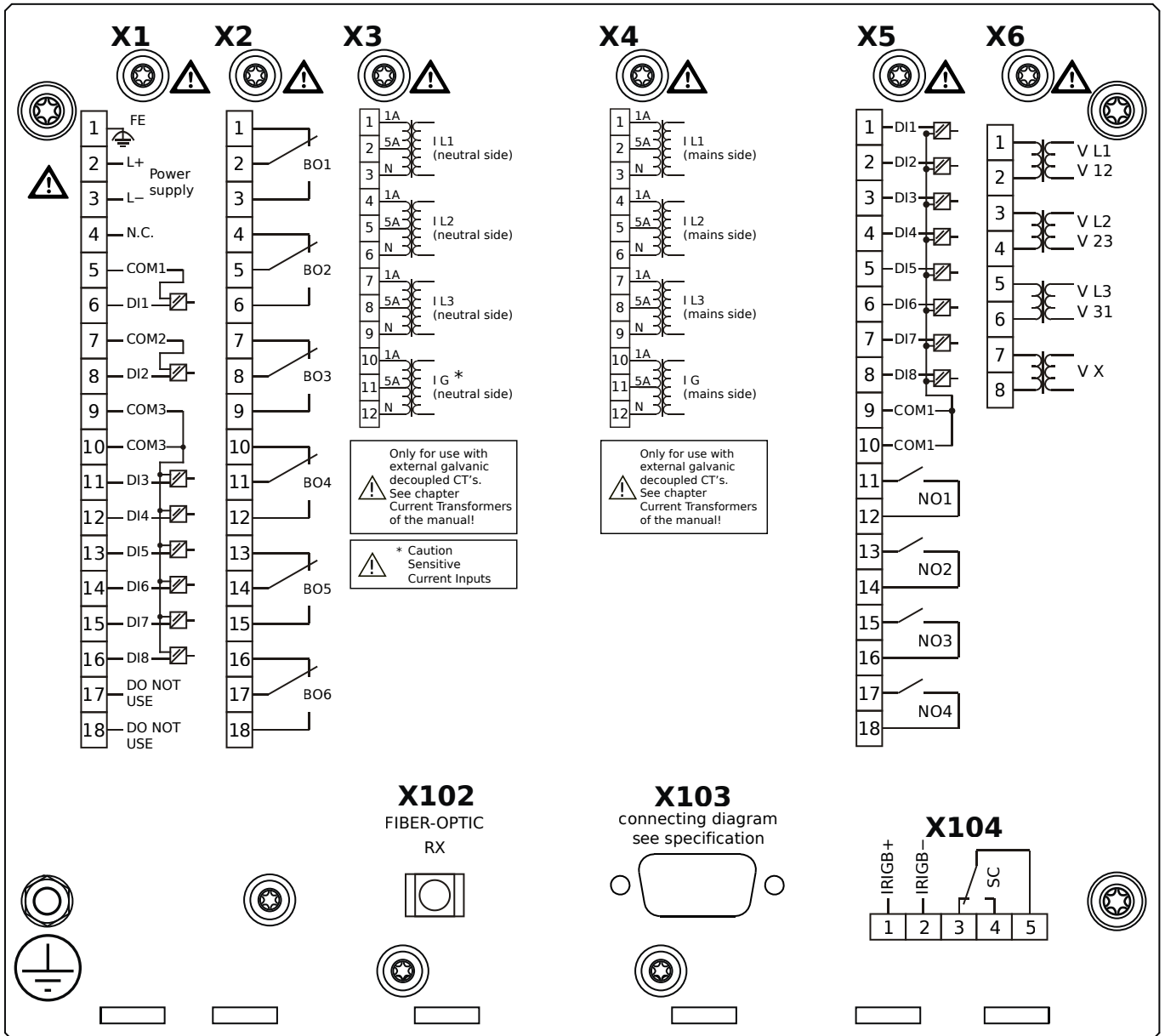


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

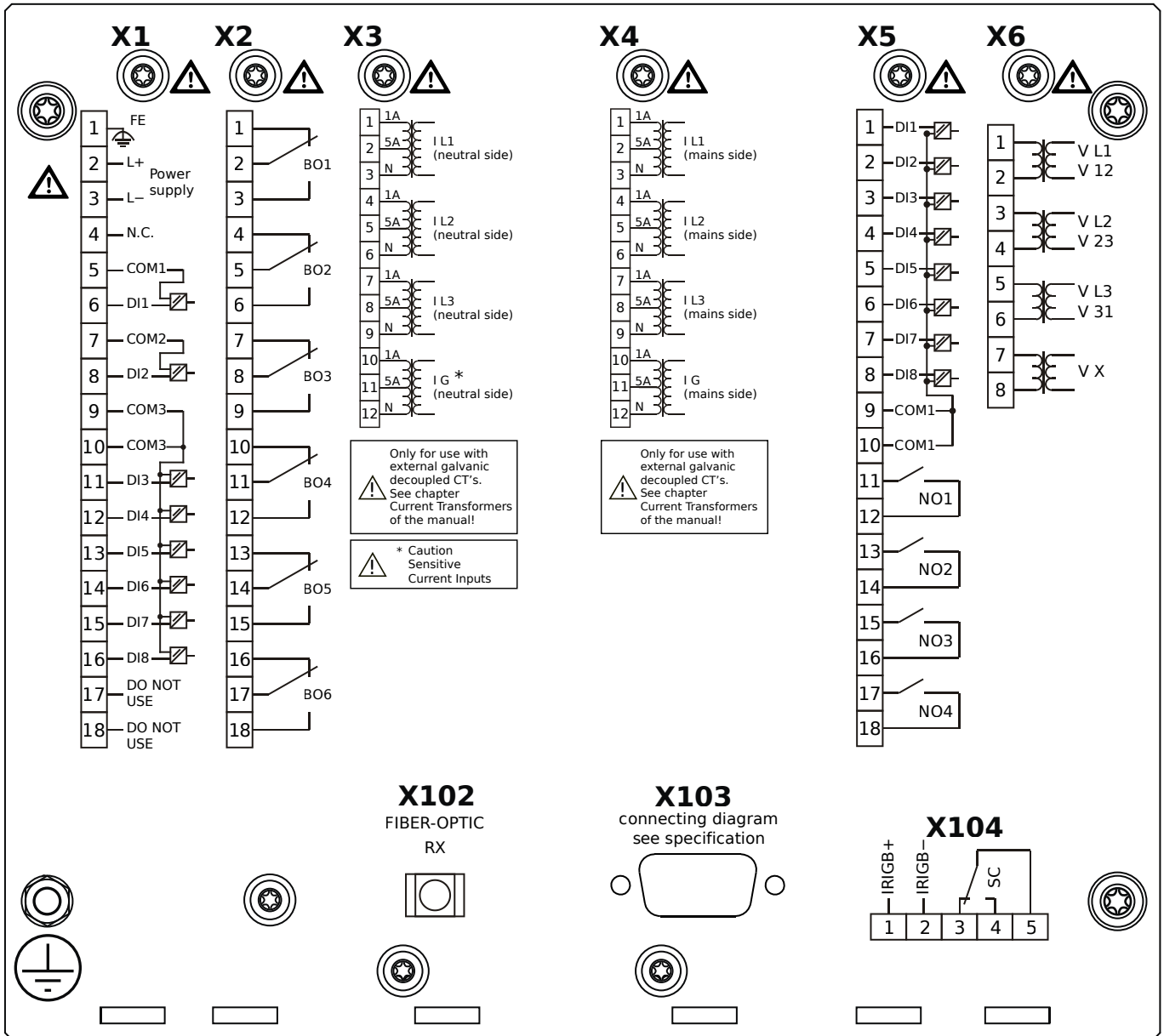
MCDGV4-2A1AEA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1AEB

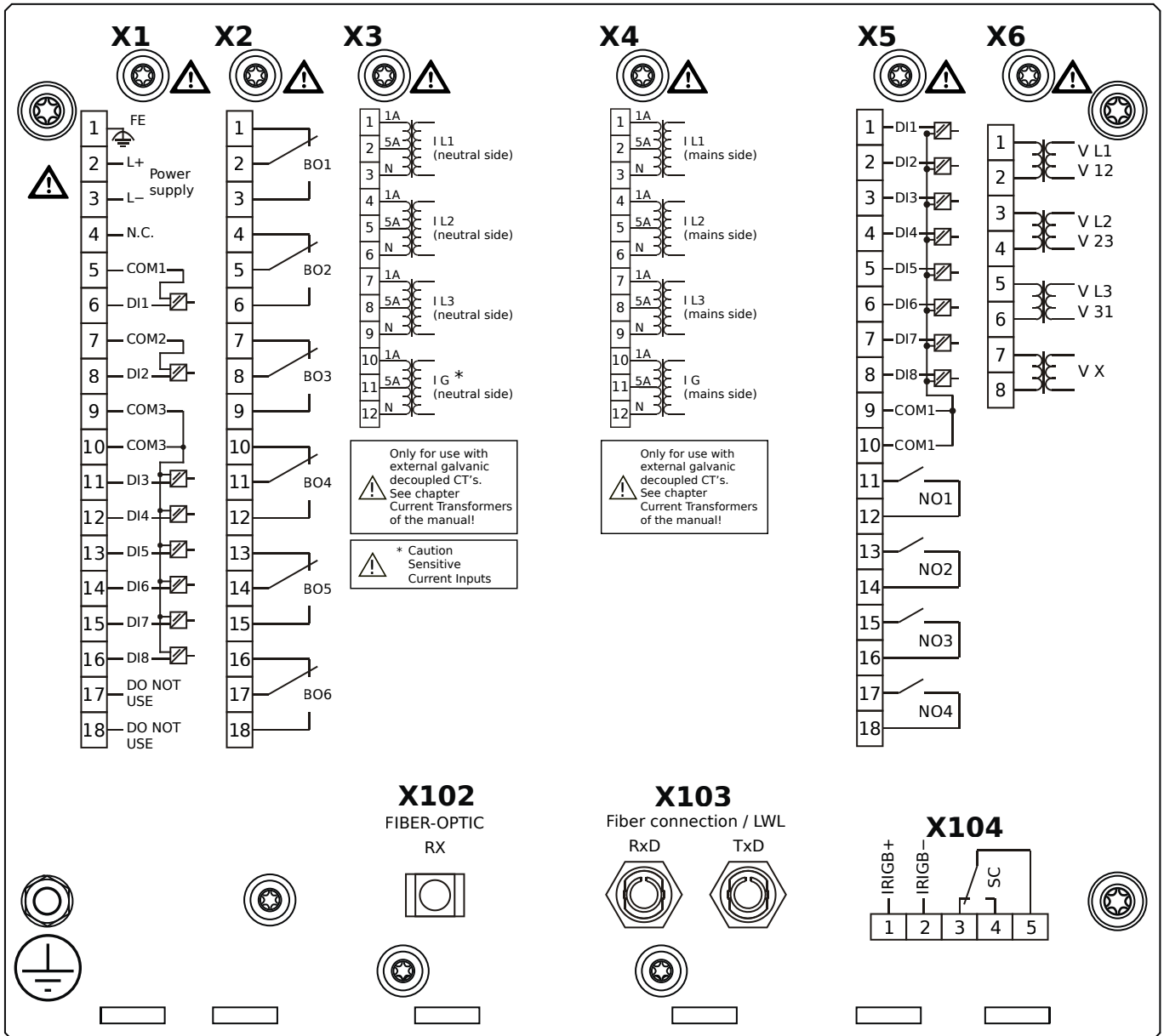


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

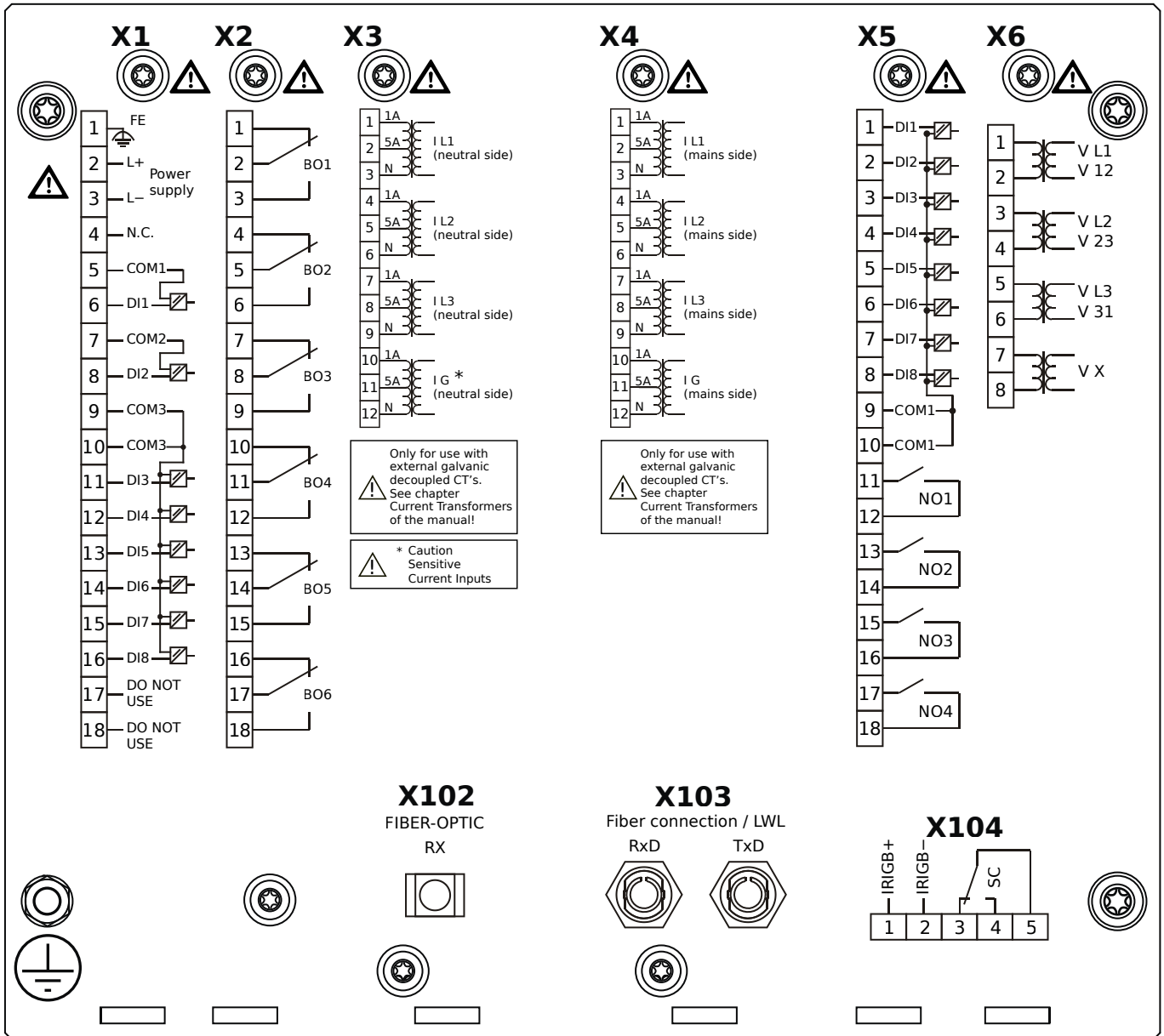
MCDGV4-2A1AFA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1AFB

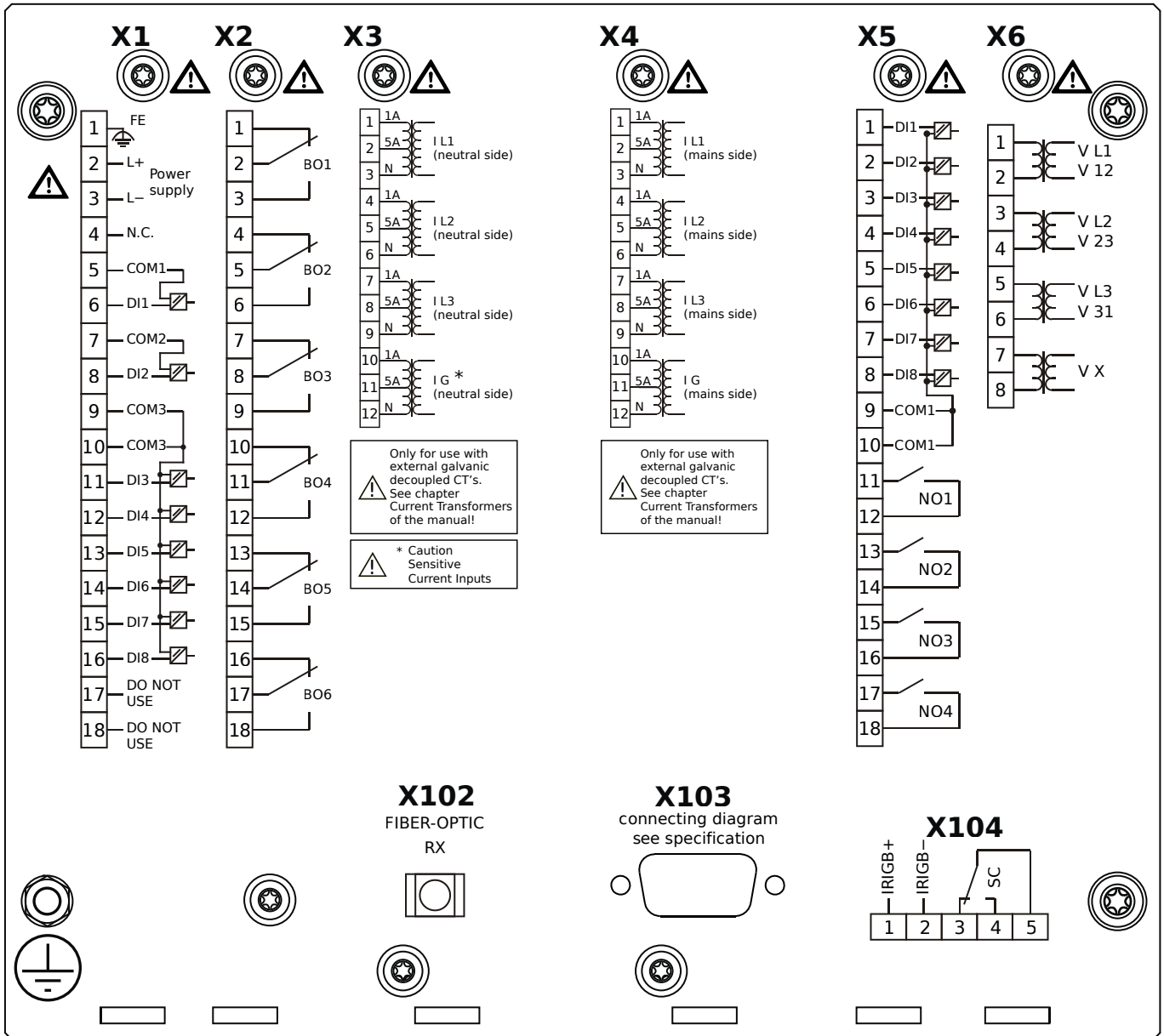


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

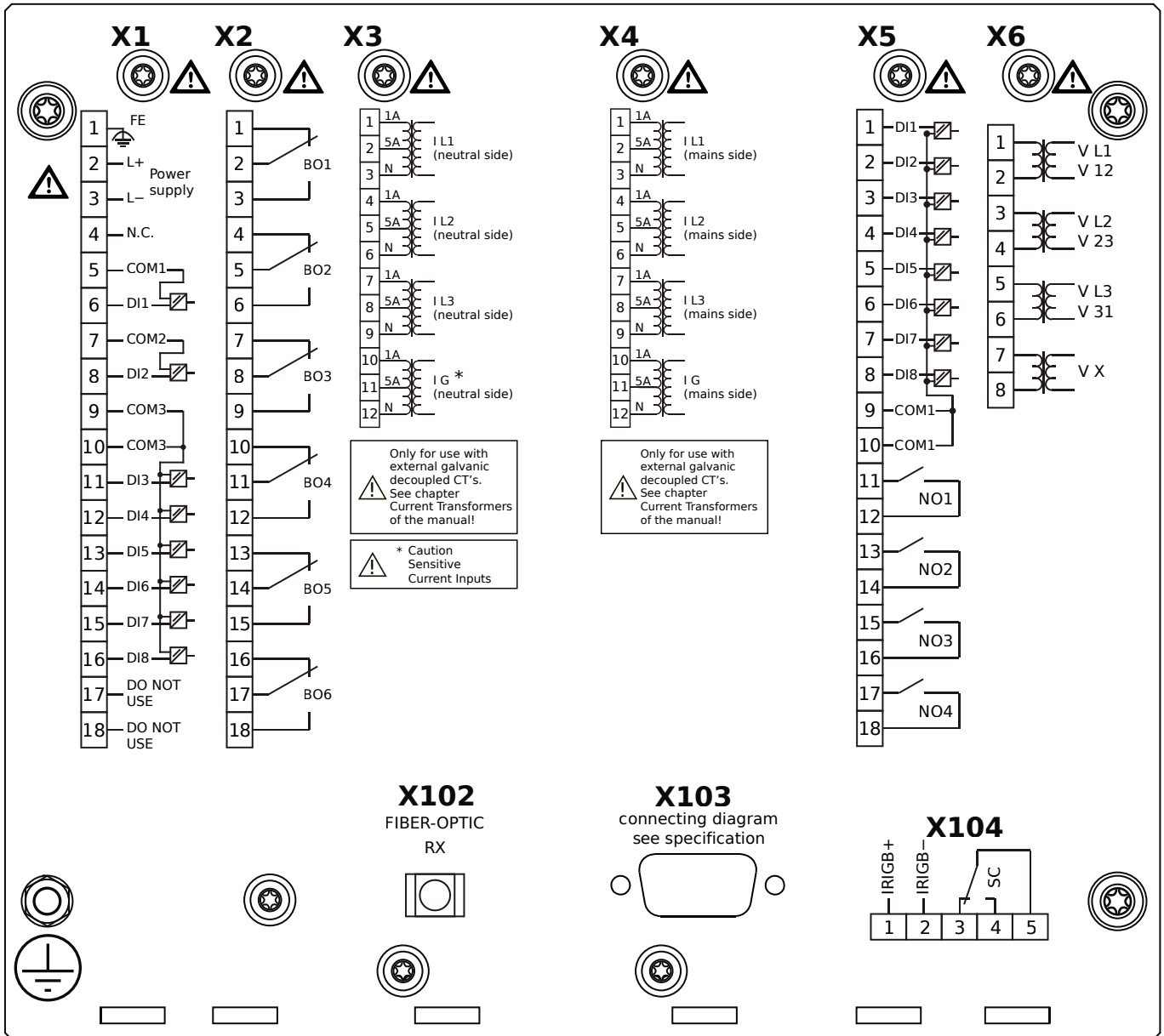
MCDGV4-2A1AGA



Housing B2, large display, door mounting

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- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1AGB

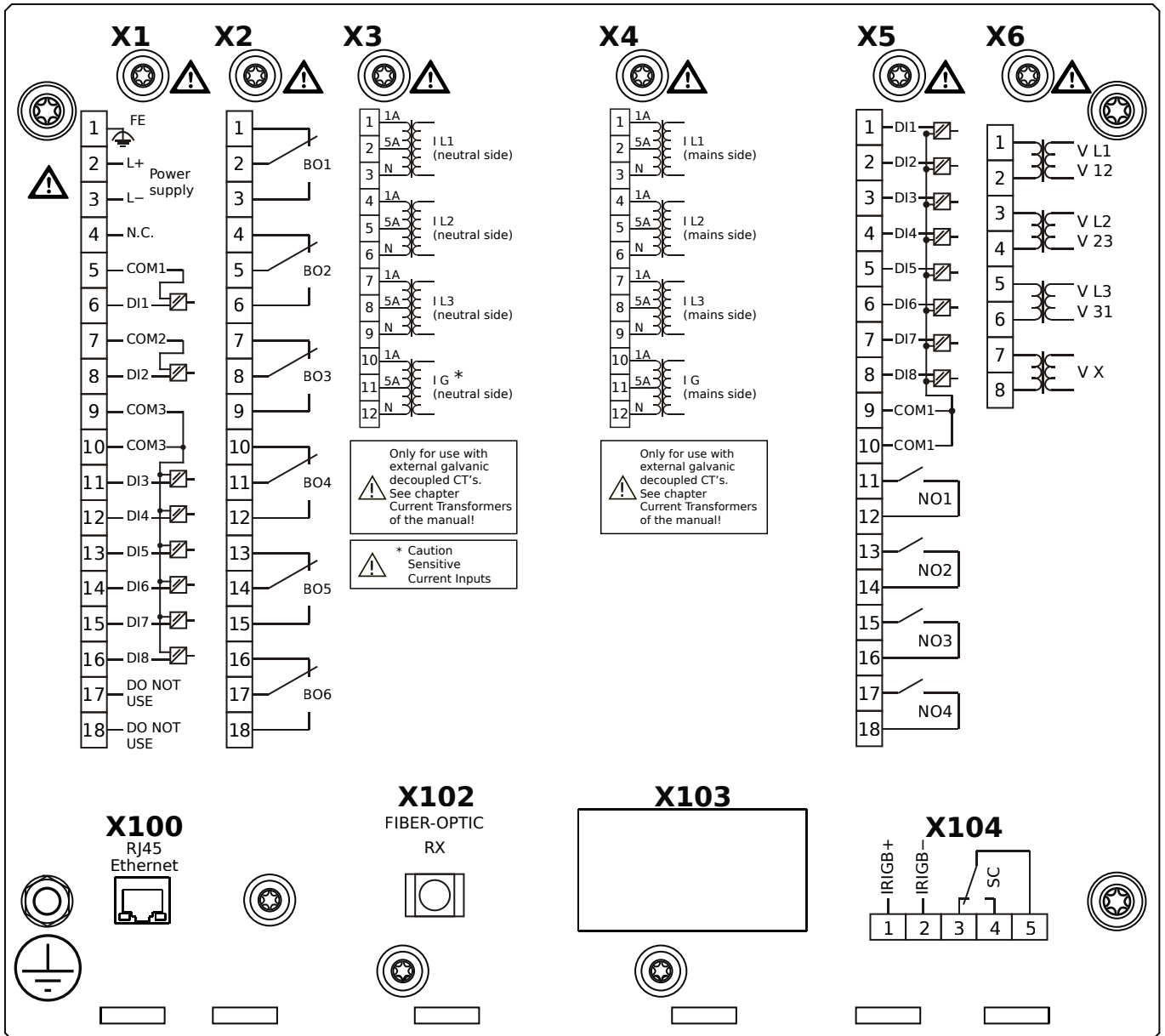


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

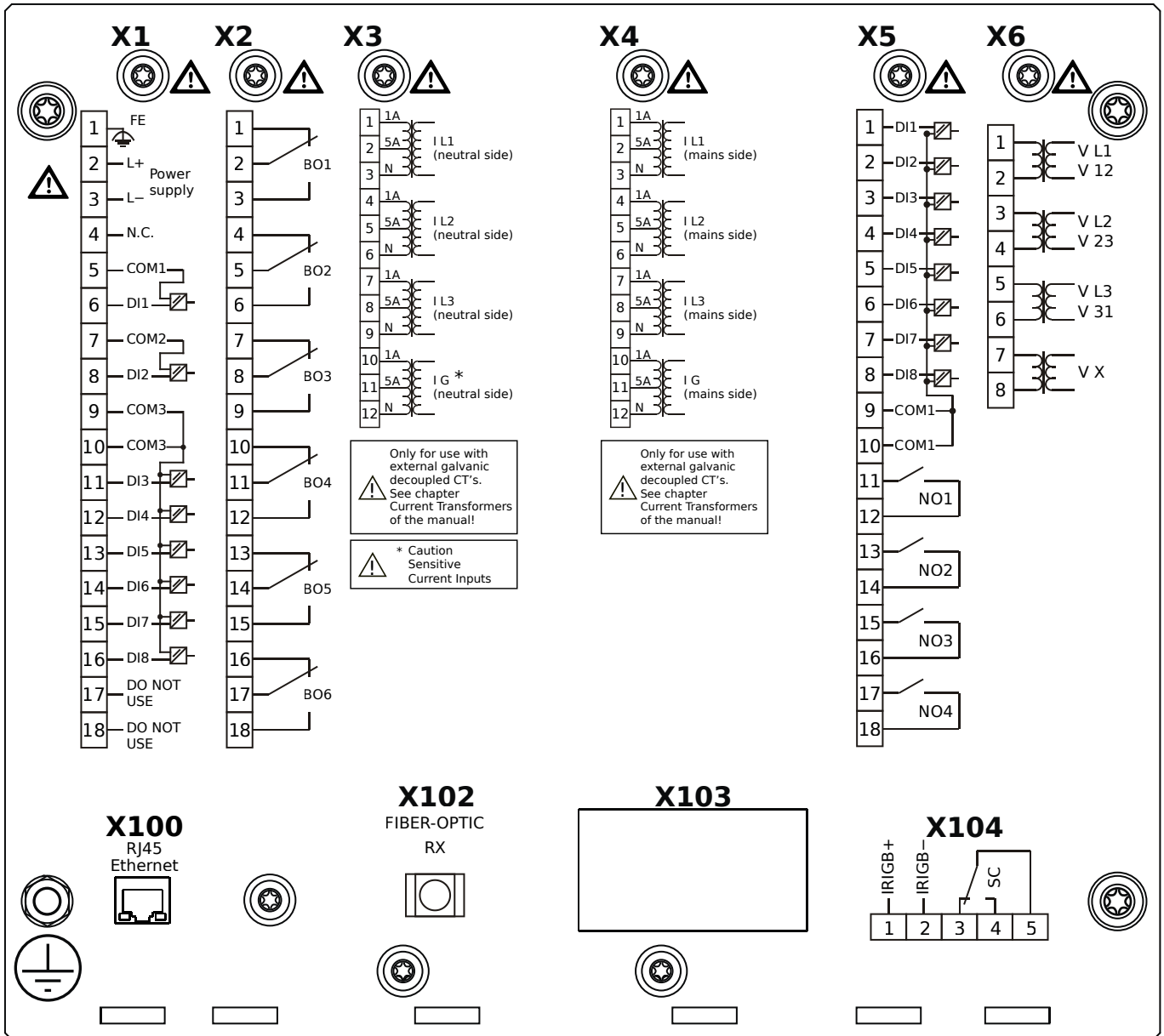
MCDGV4-2A1AHA



Housing B2, large display, door mounting

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- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1AHB

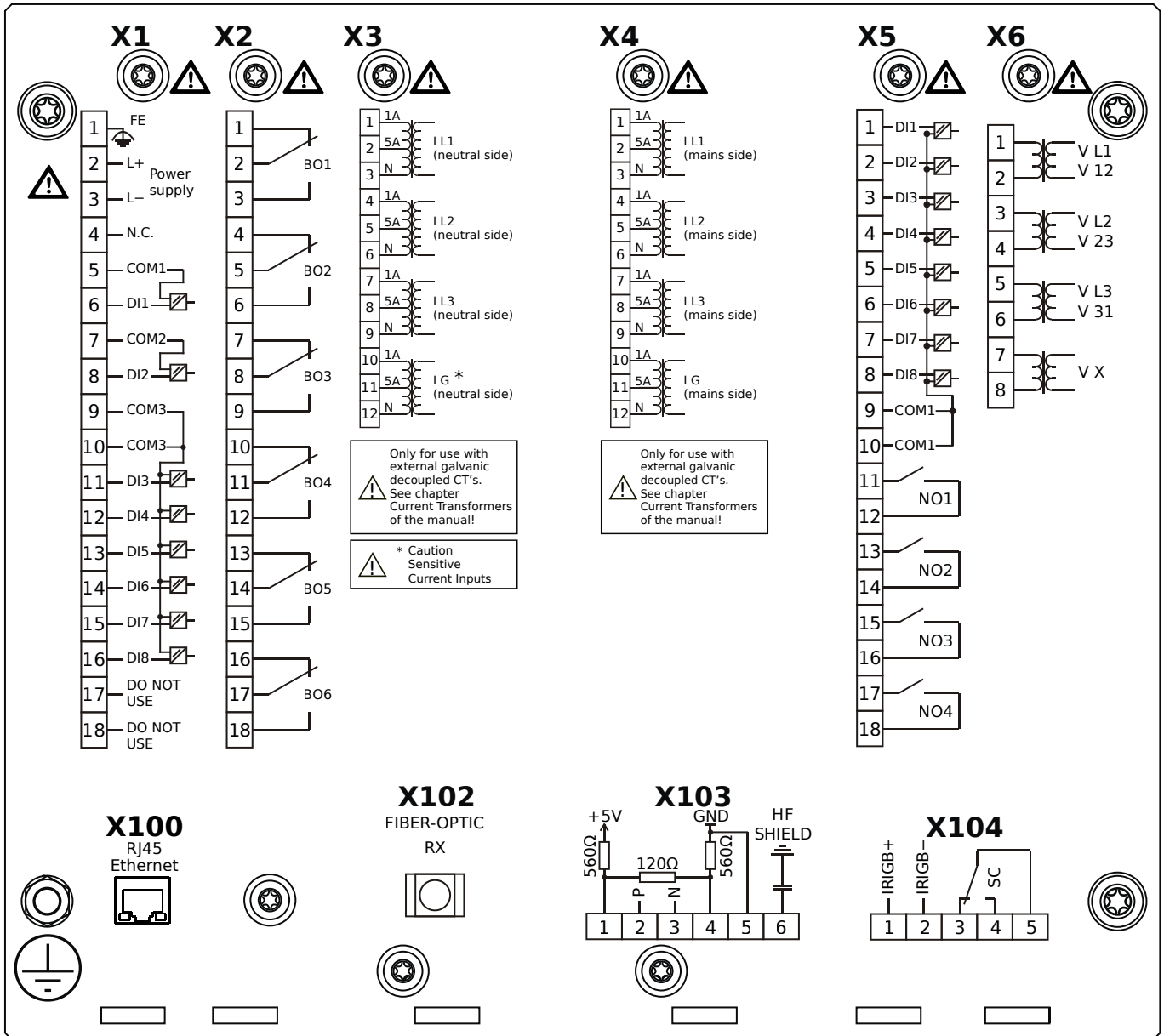


Housing B2, large display, door mounting

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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

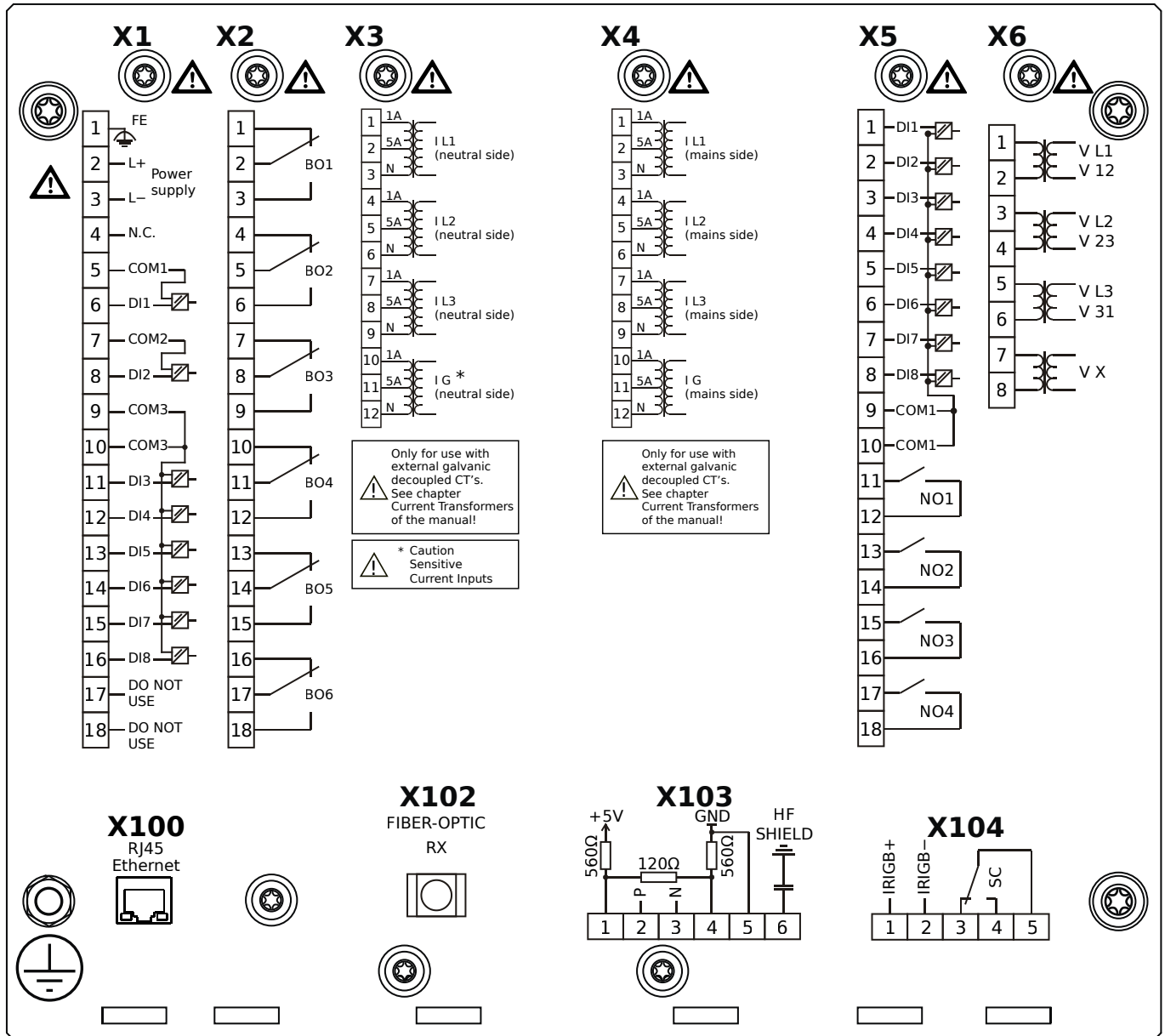
MCDGV4-2A1AIA



Housing B2, large display, door mounting

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- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1AIB

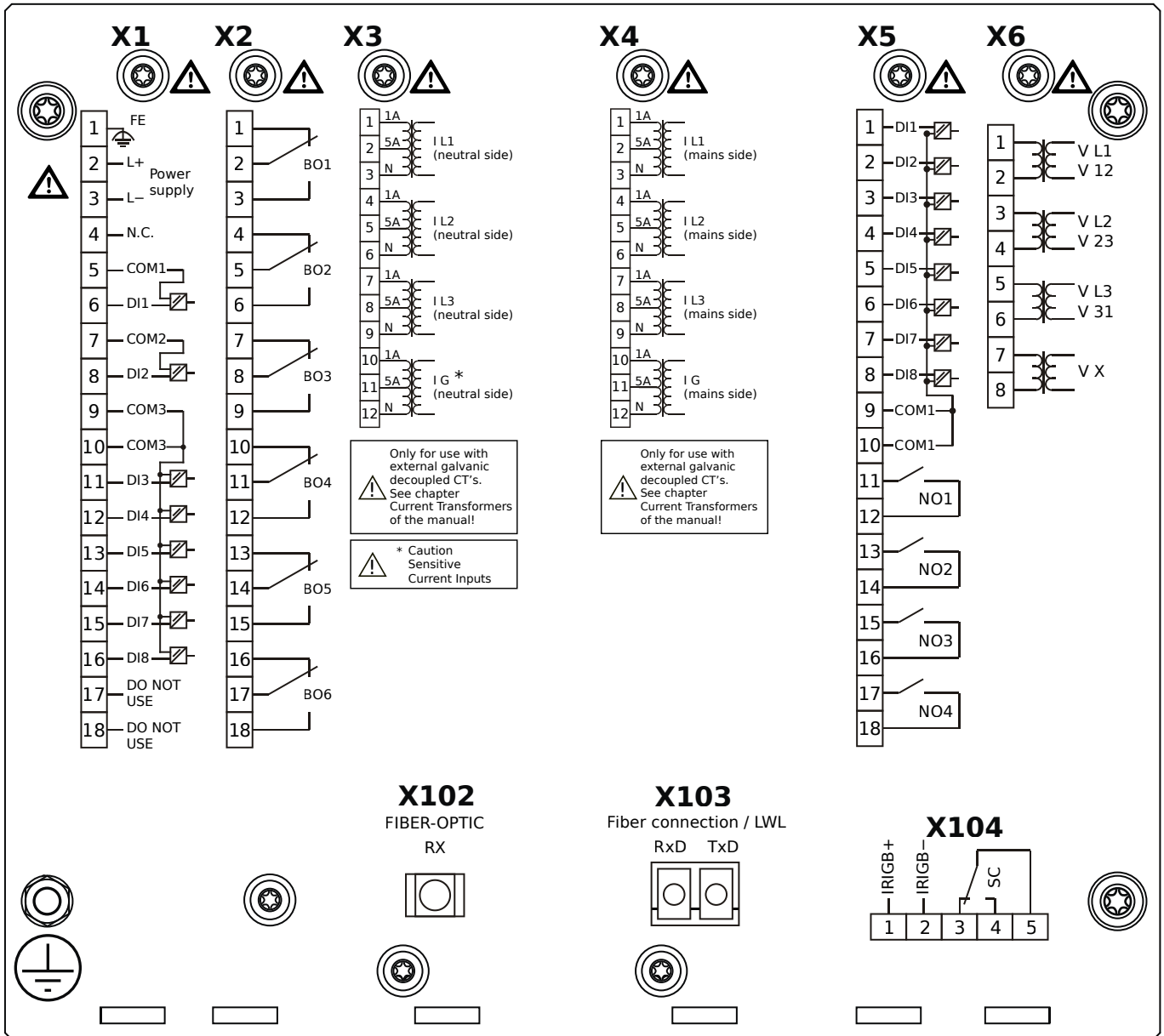


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

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- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

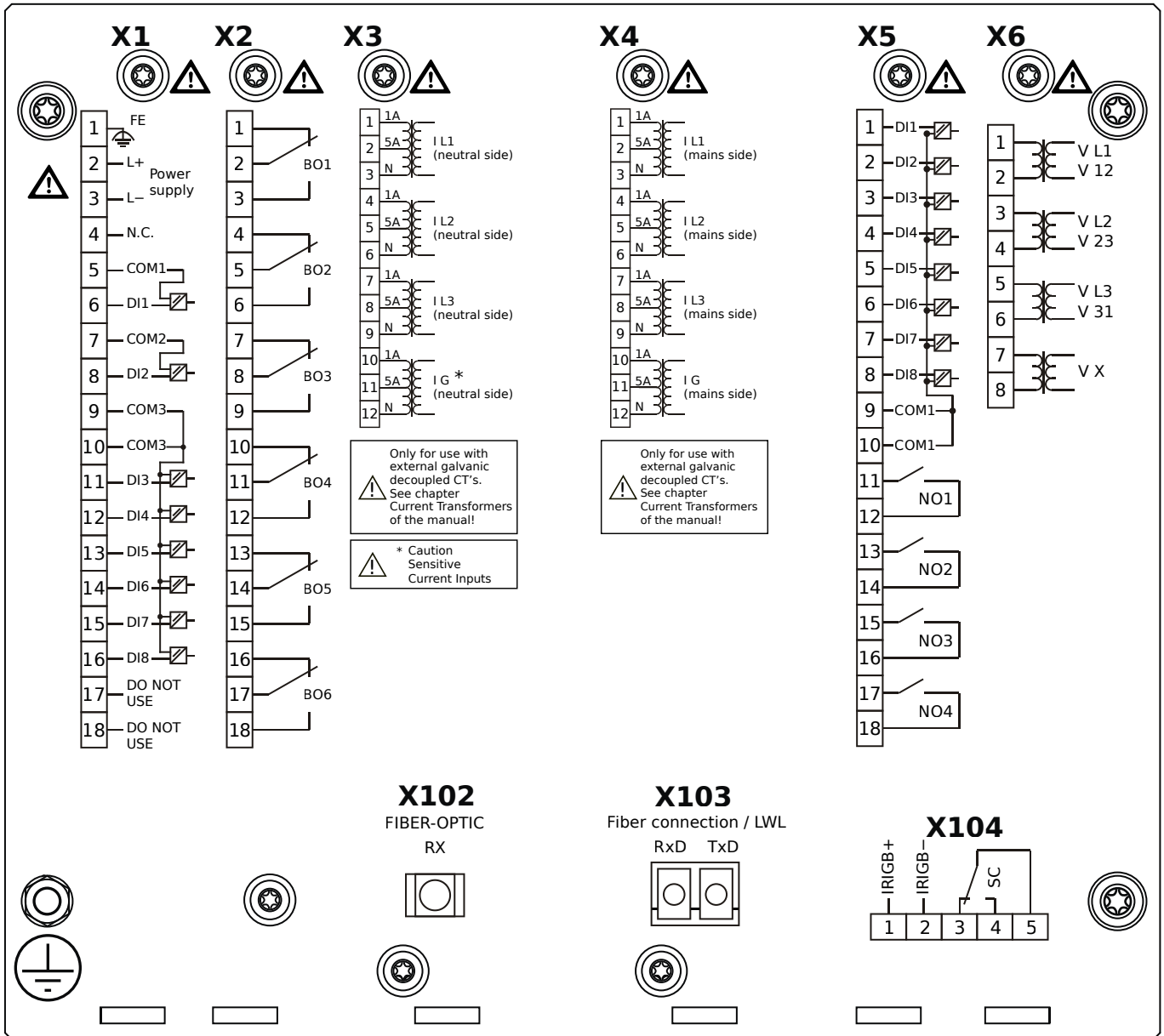
MCDGV4-2A1AKA



Housing B2, large display, door mounting

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- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1AKB

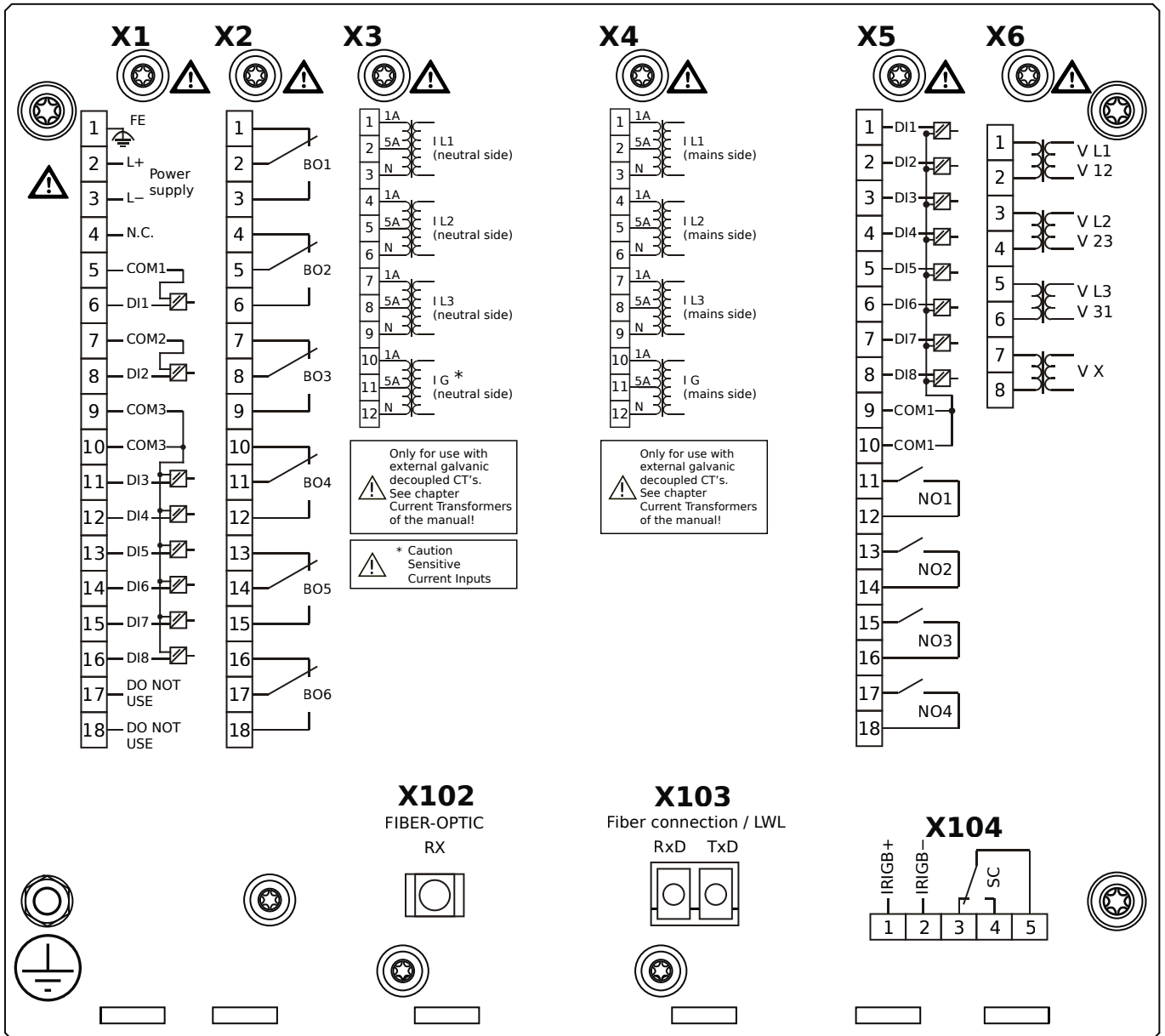


Housing B2, large display, door mounting

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- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

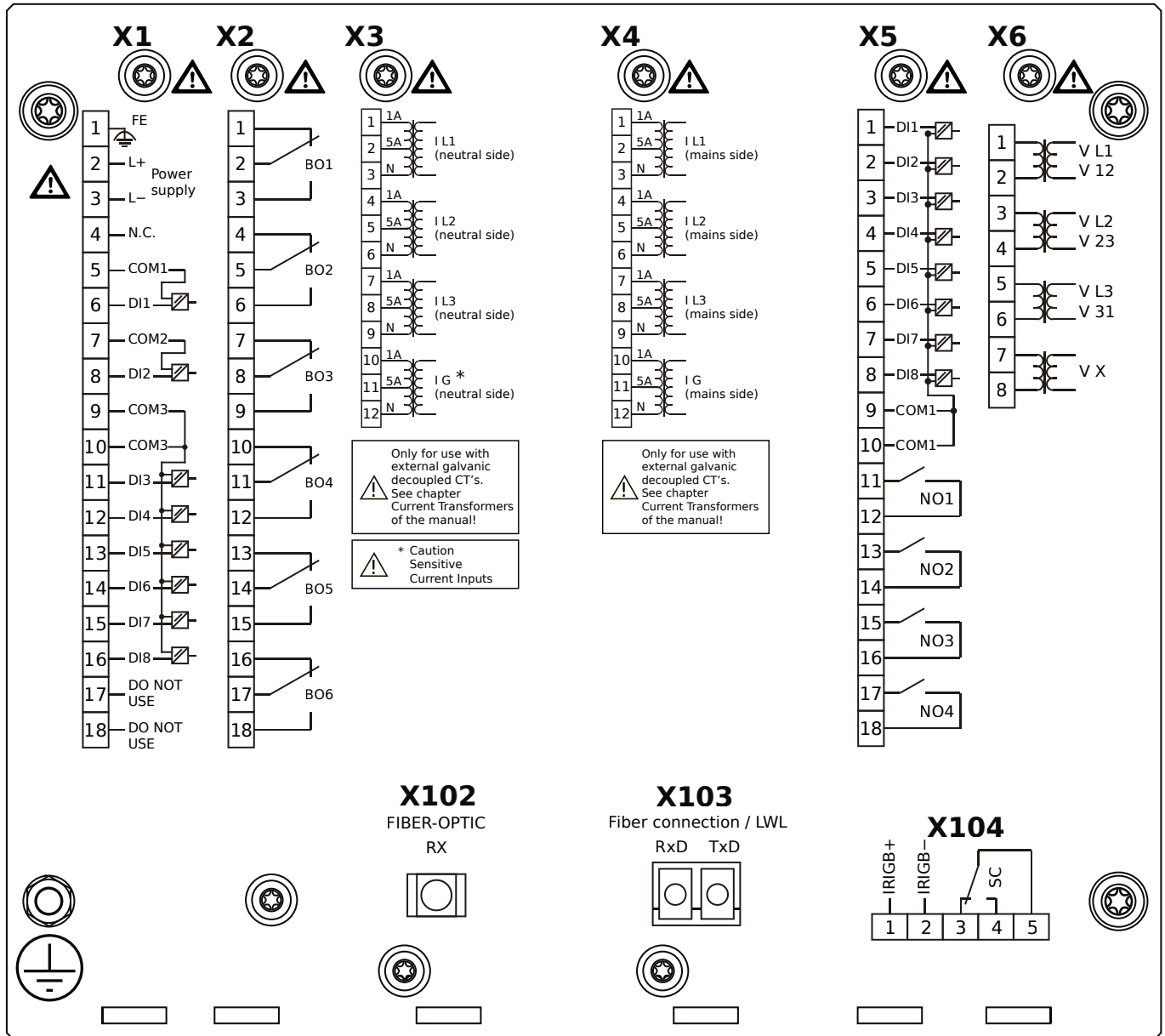
MCDGV4-2A1ALA



Housing B2, large display, door mounting

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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1ALB

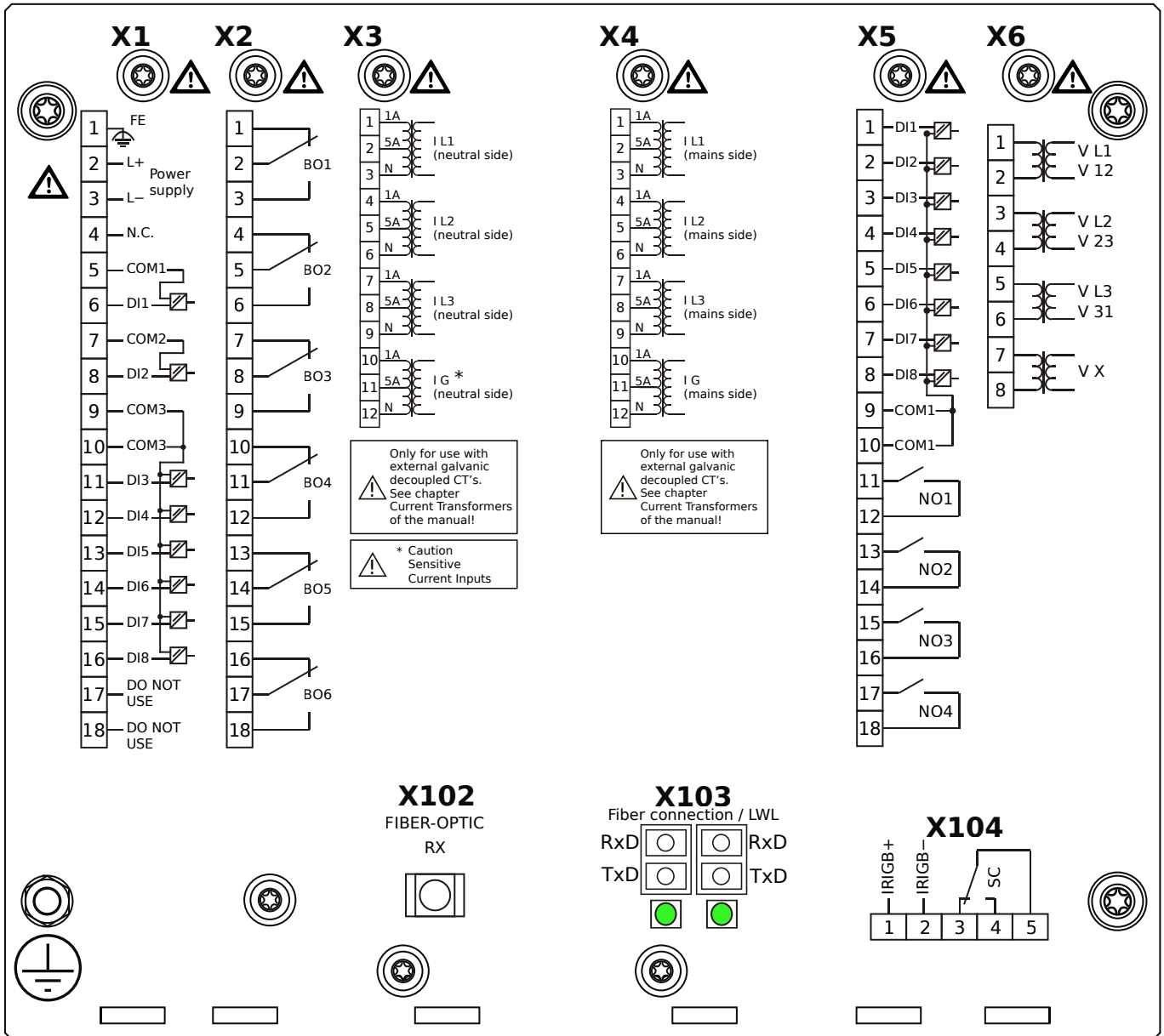


Housing B2, large display, door mounting

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- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

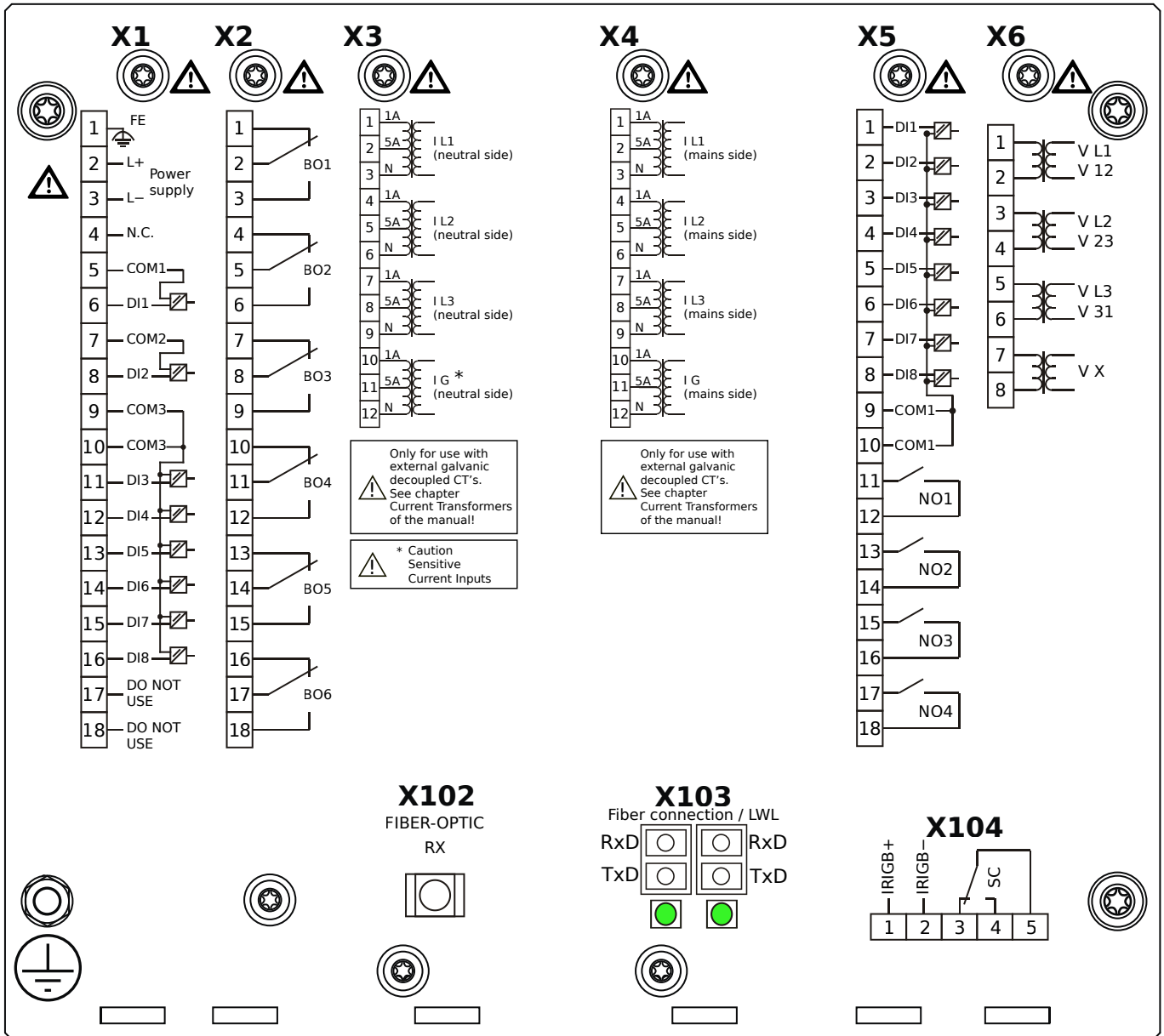
MCDGV4-2A1AOA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1AOB

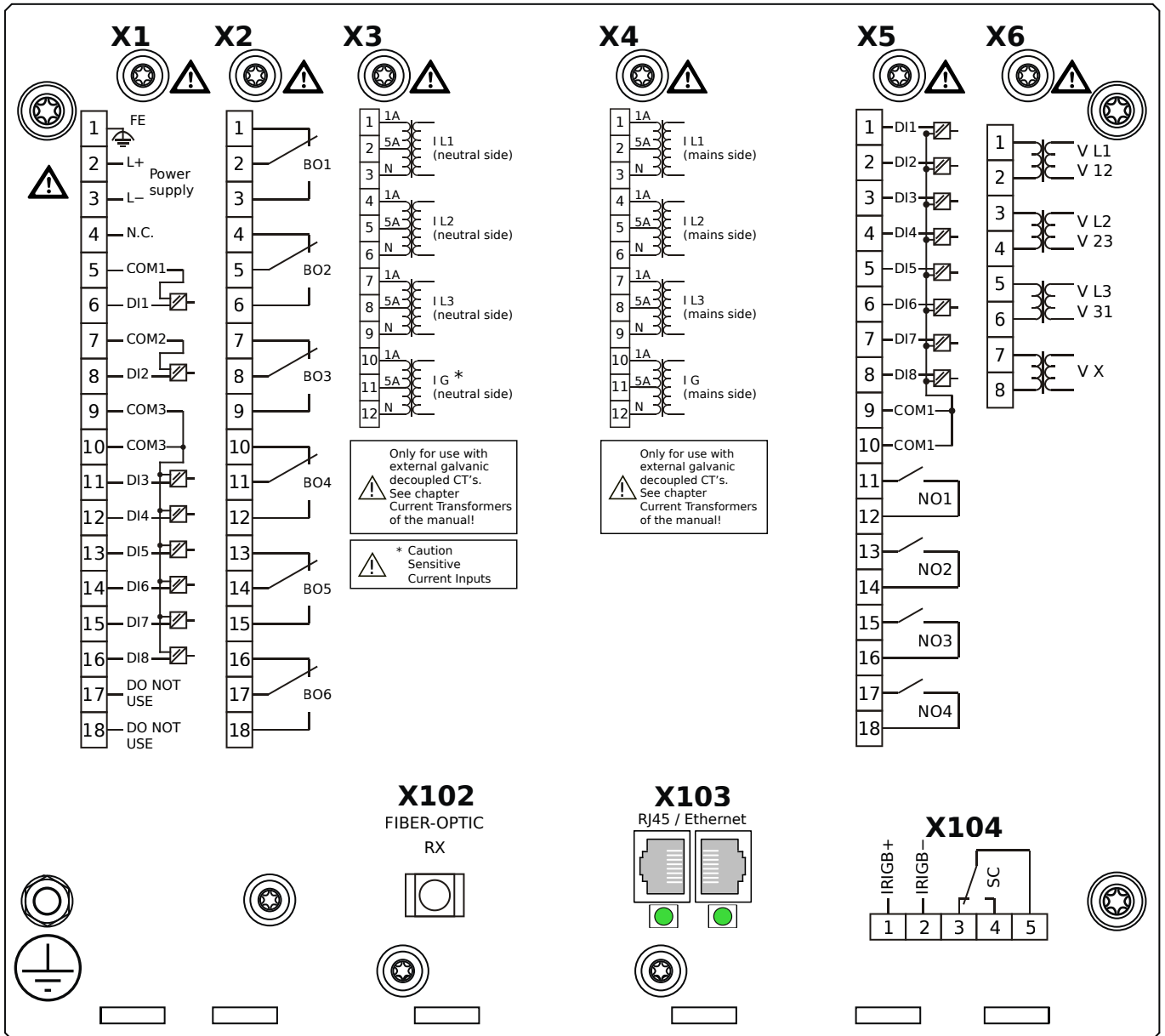


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

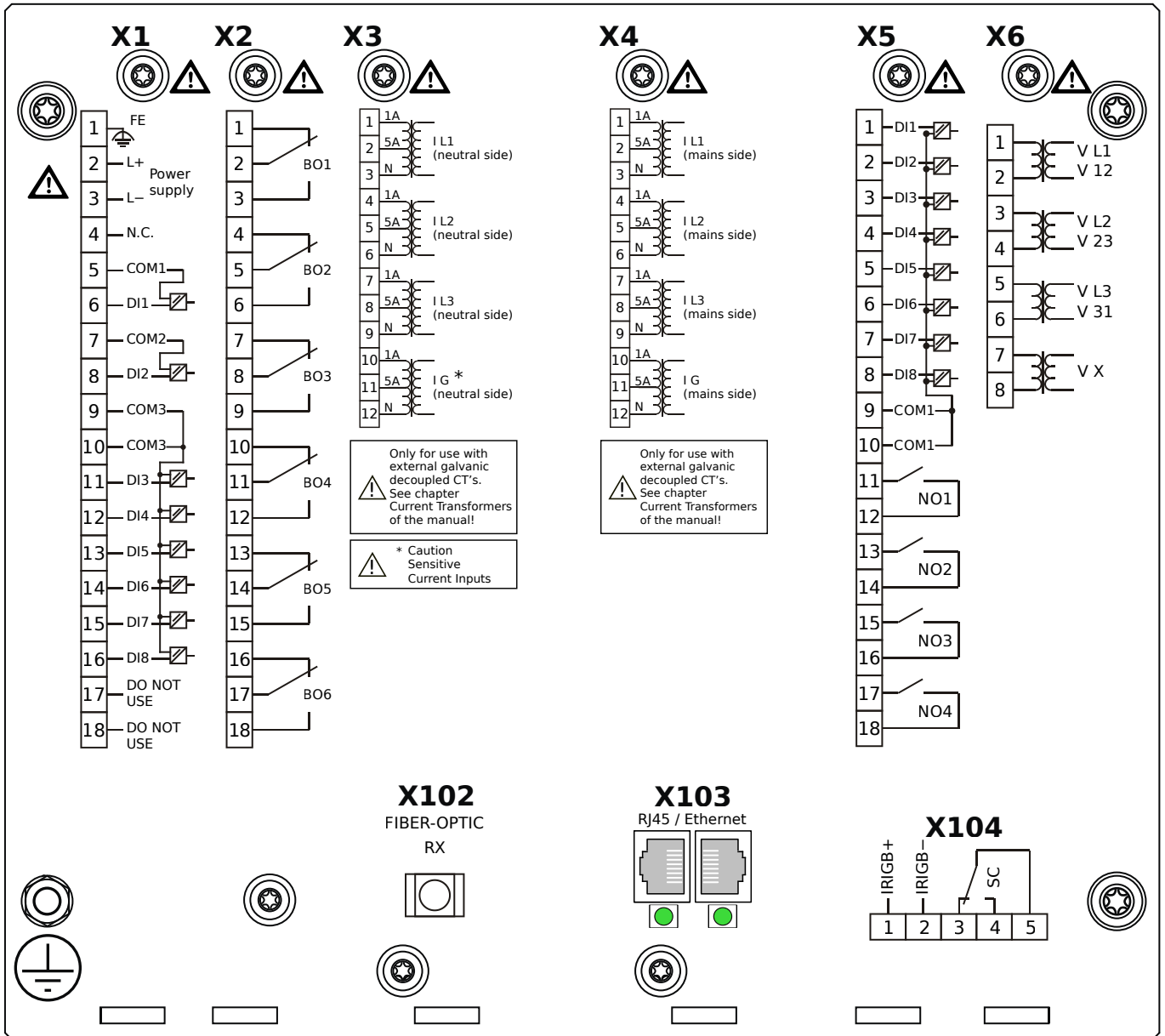
MCDGV4-2A1APA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1APB

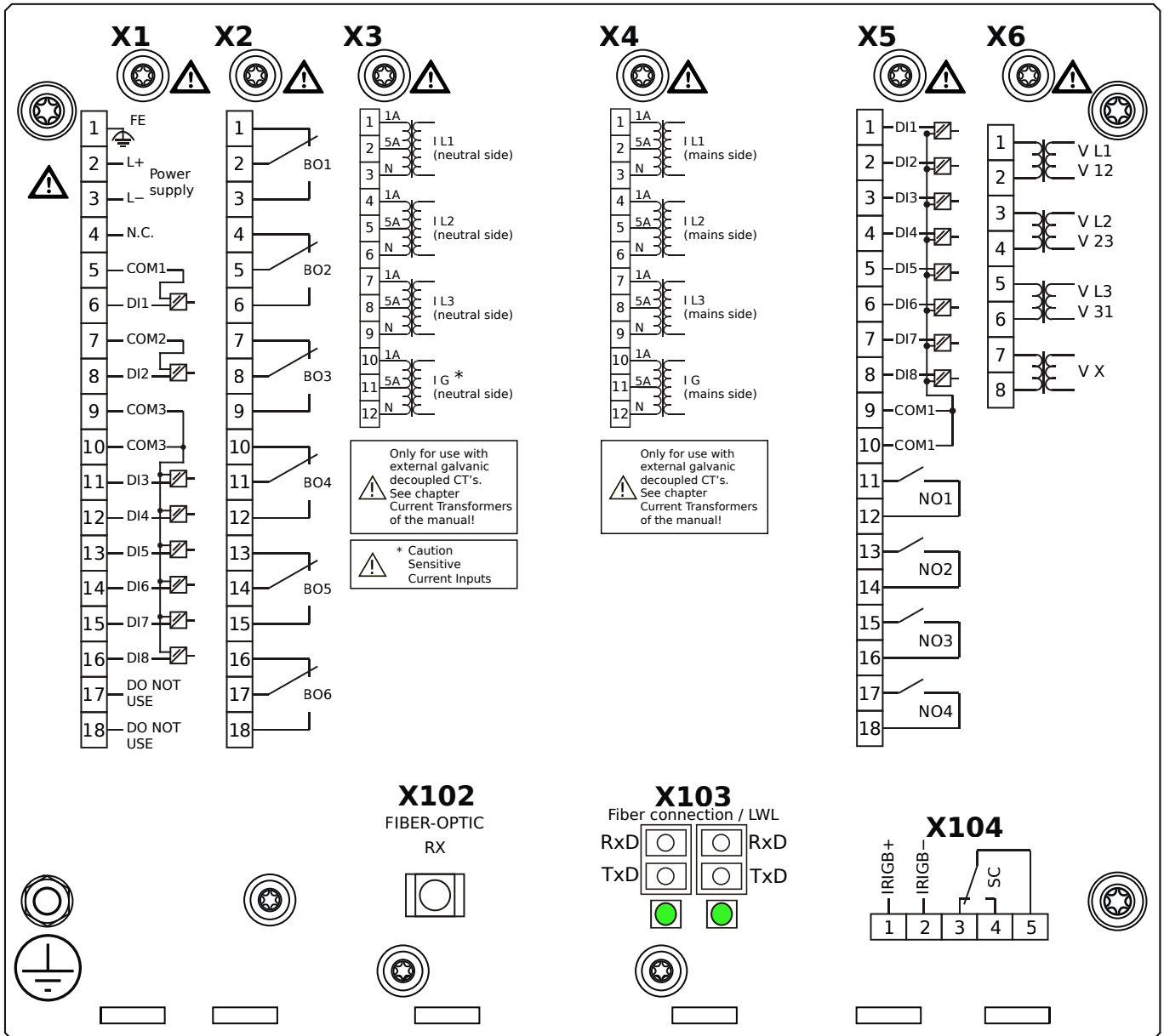


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

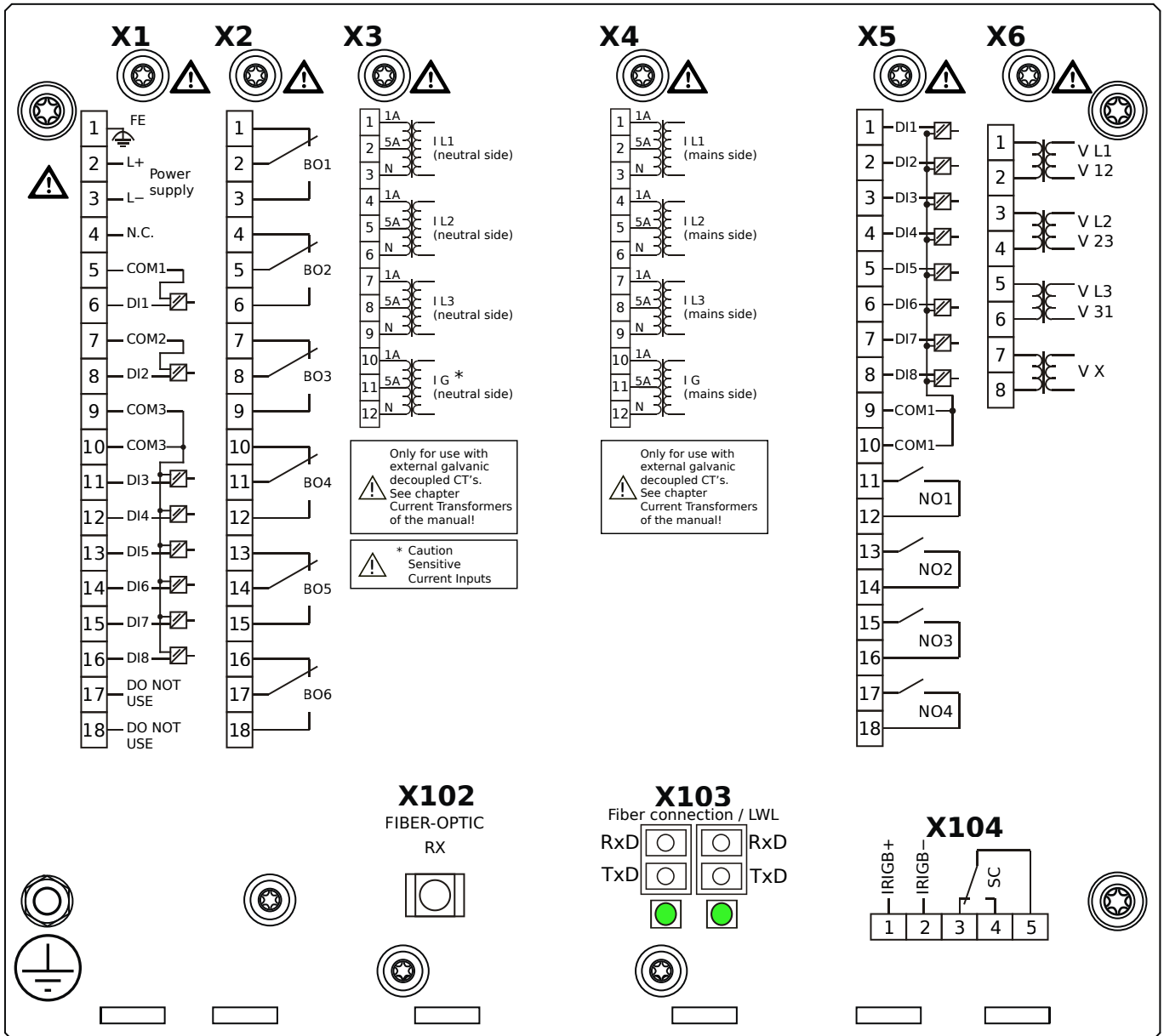
MCDGV4-2A1AQA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
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- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1AQB

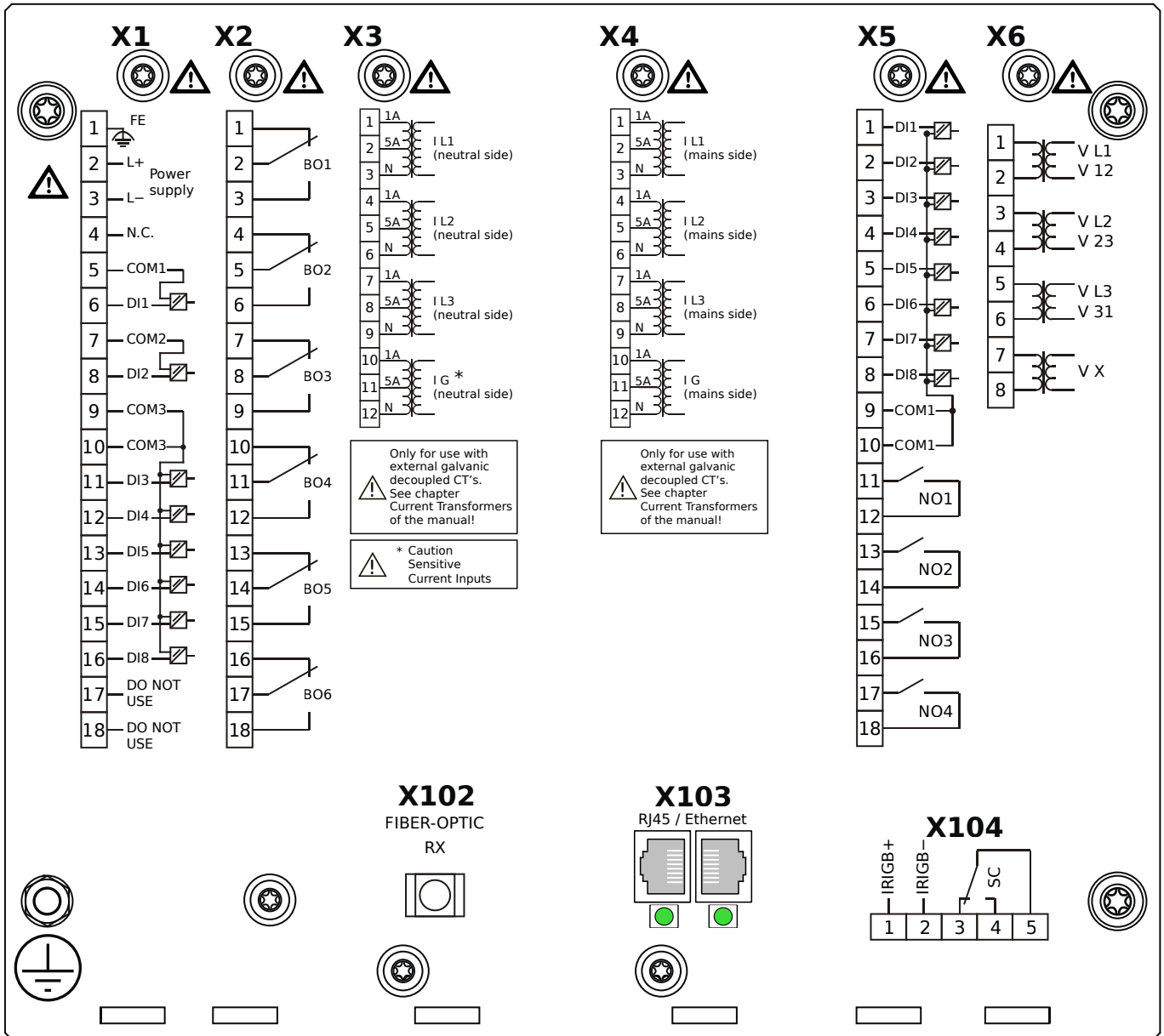


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

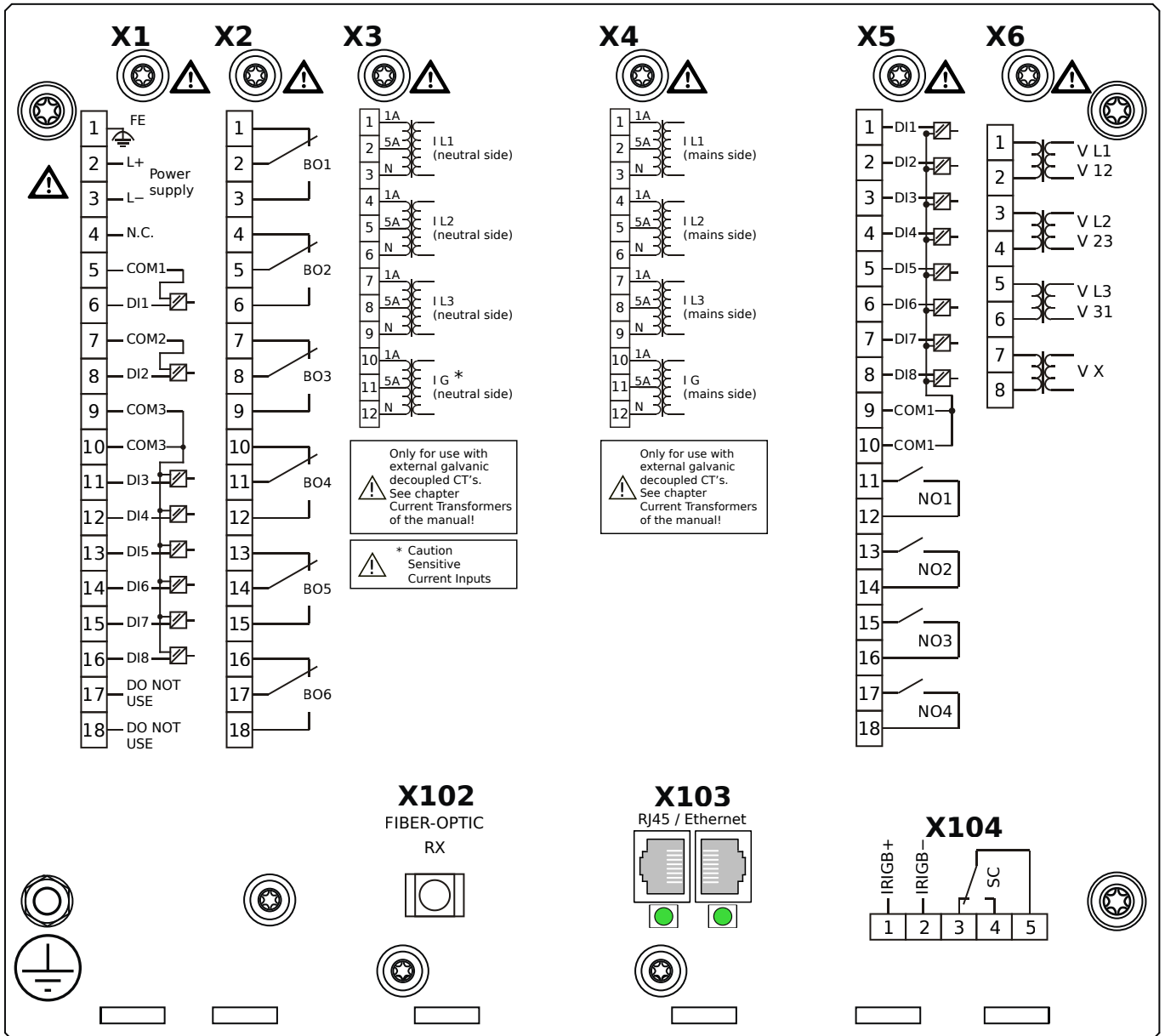
MCDGV4-2A1ARA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1ARB



Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)

X6 – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)

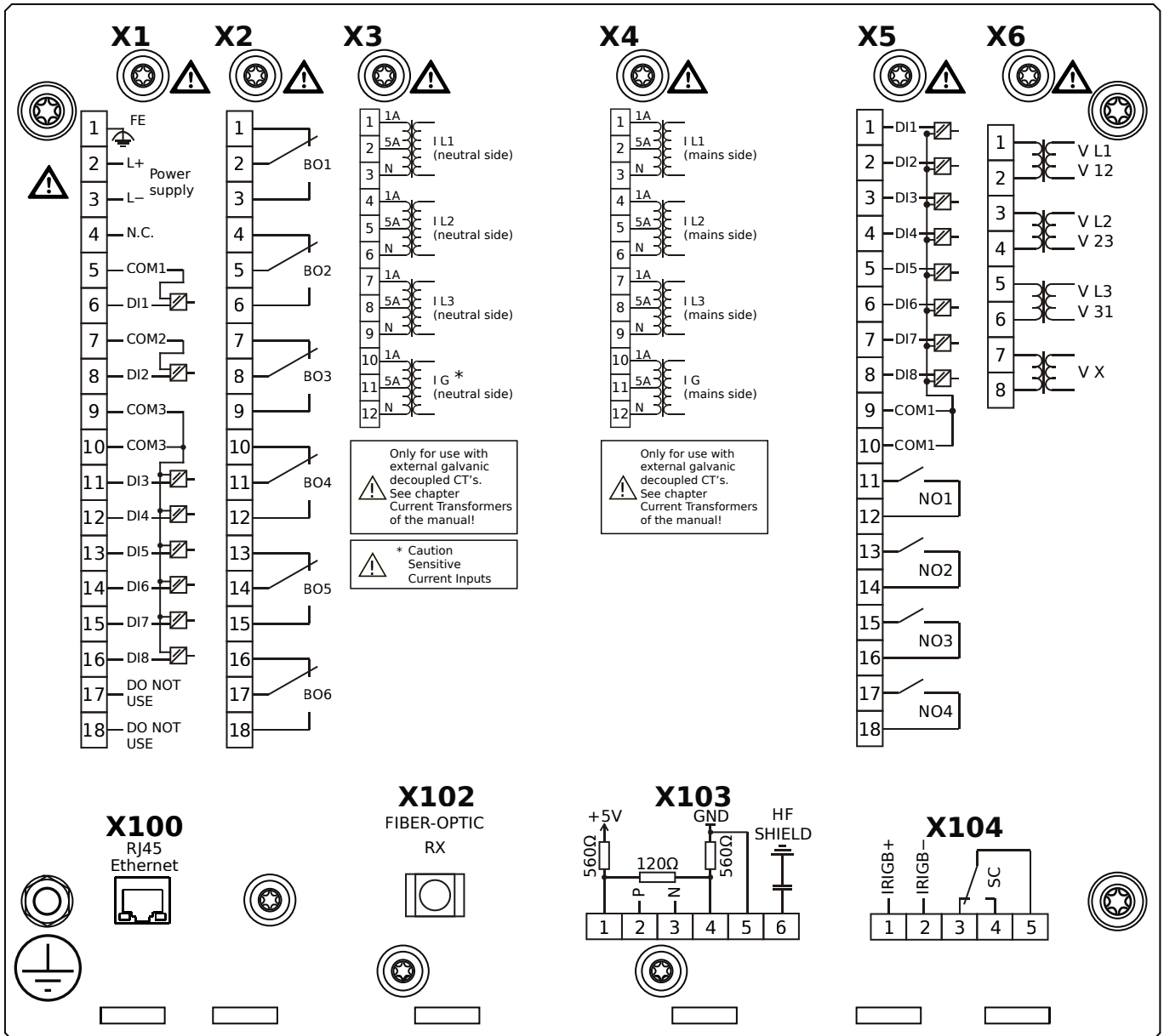
X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45

(BASE100-FX)

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

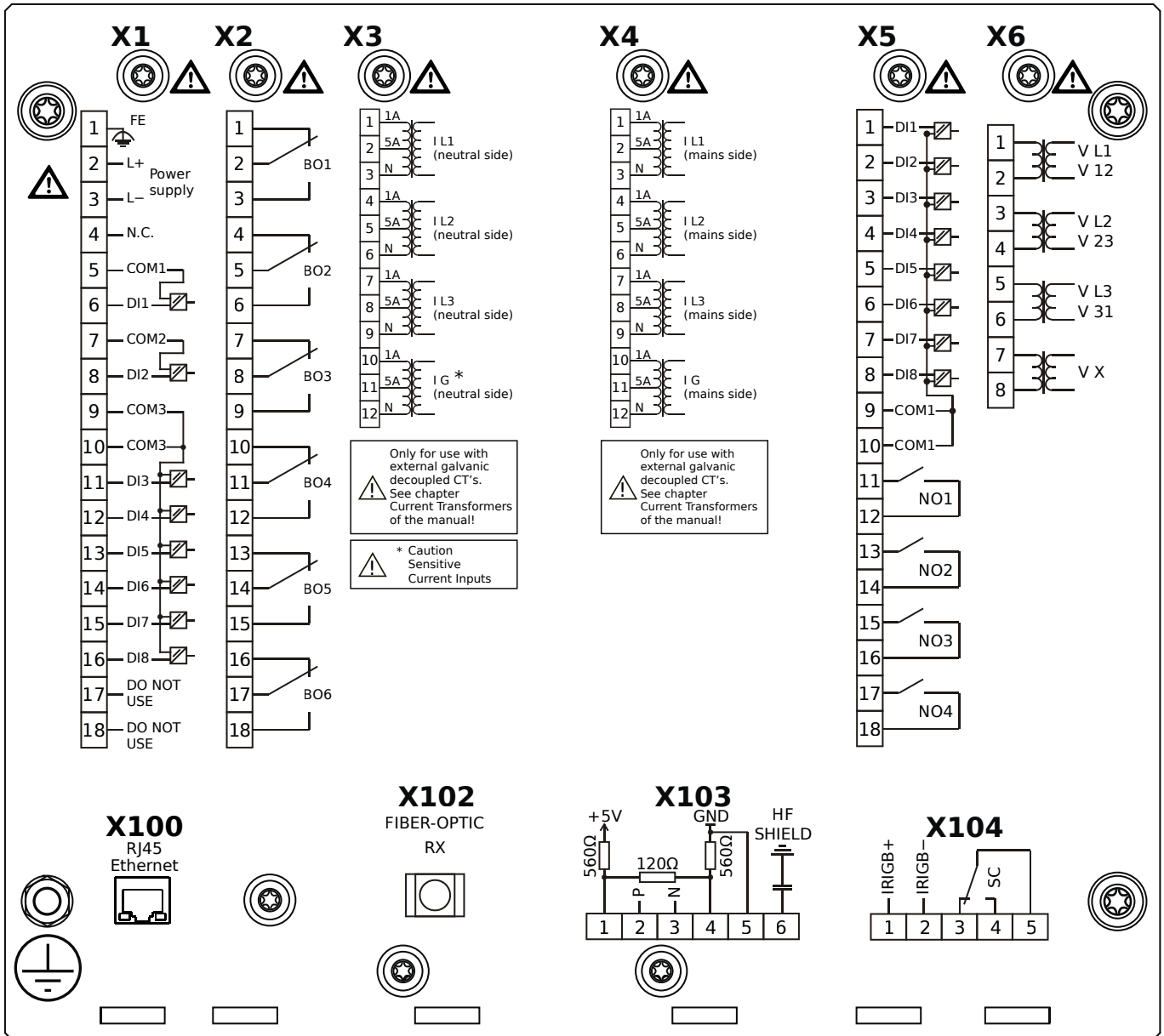
MCDGV4-2A1ATA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1ATB

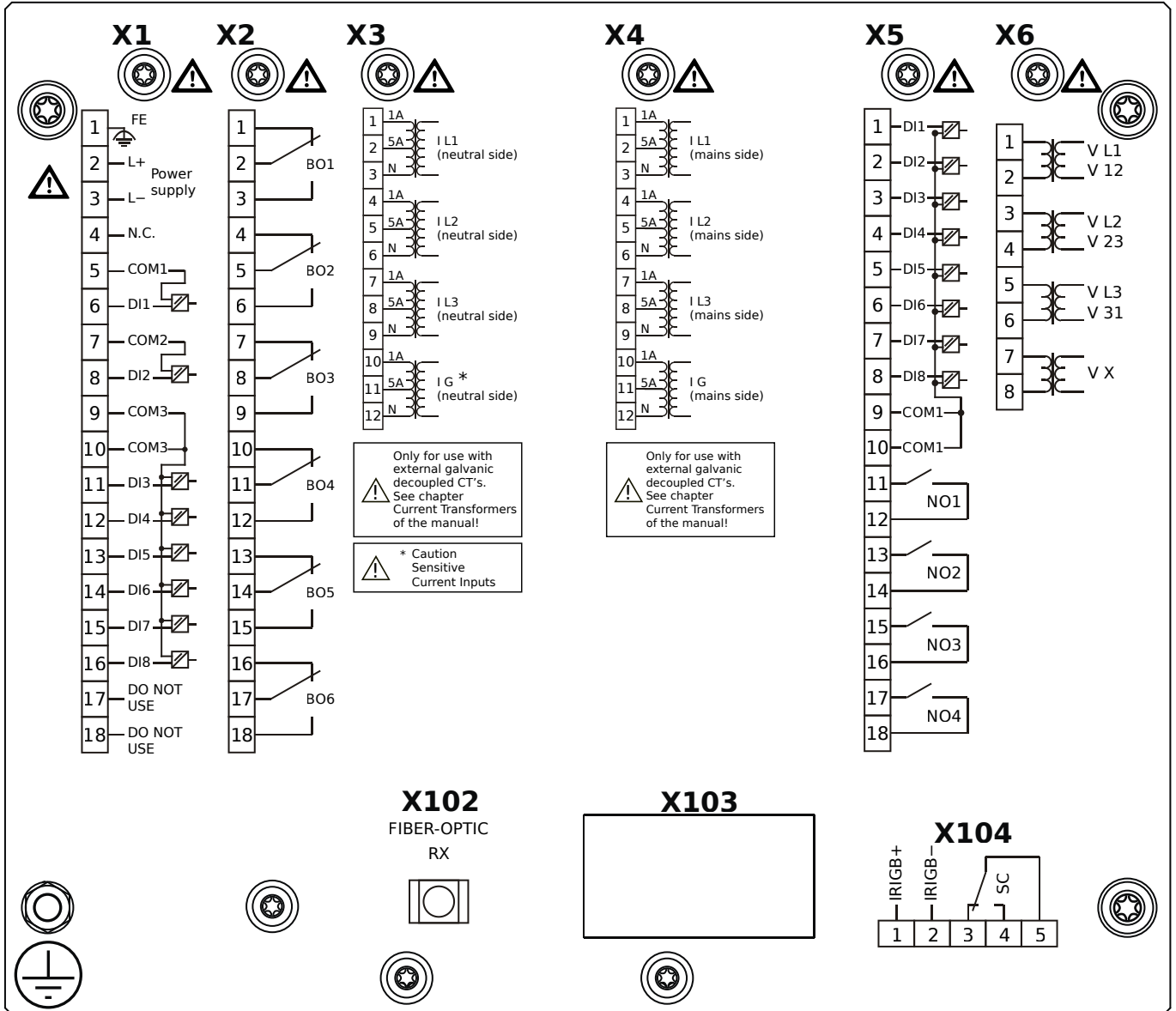


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

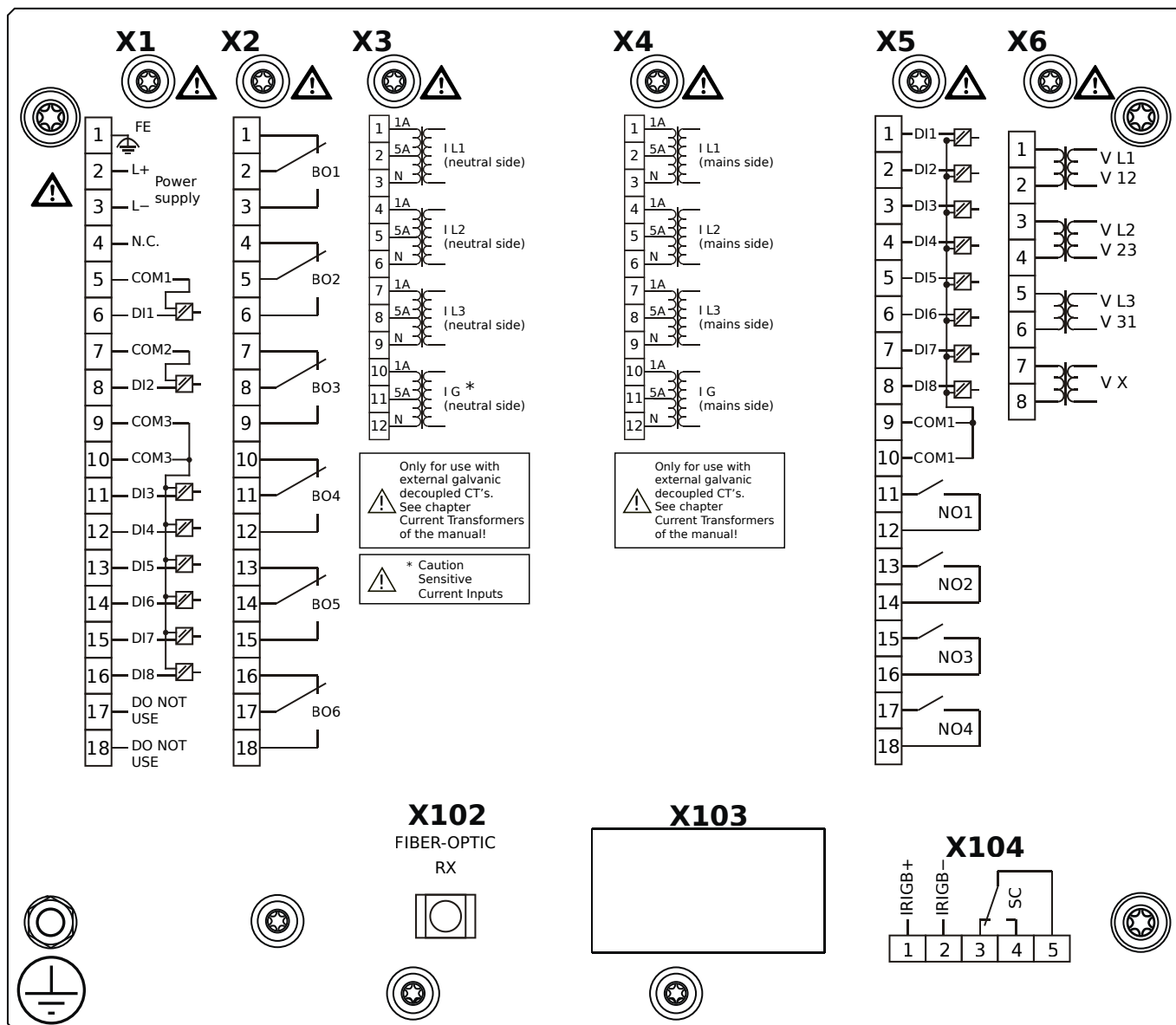
MCDGV4-2A1BAA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1BAB

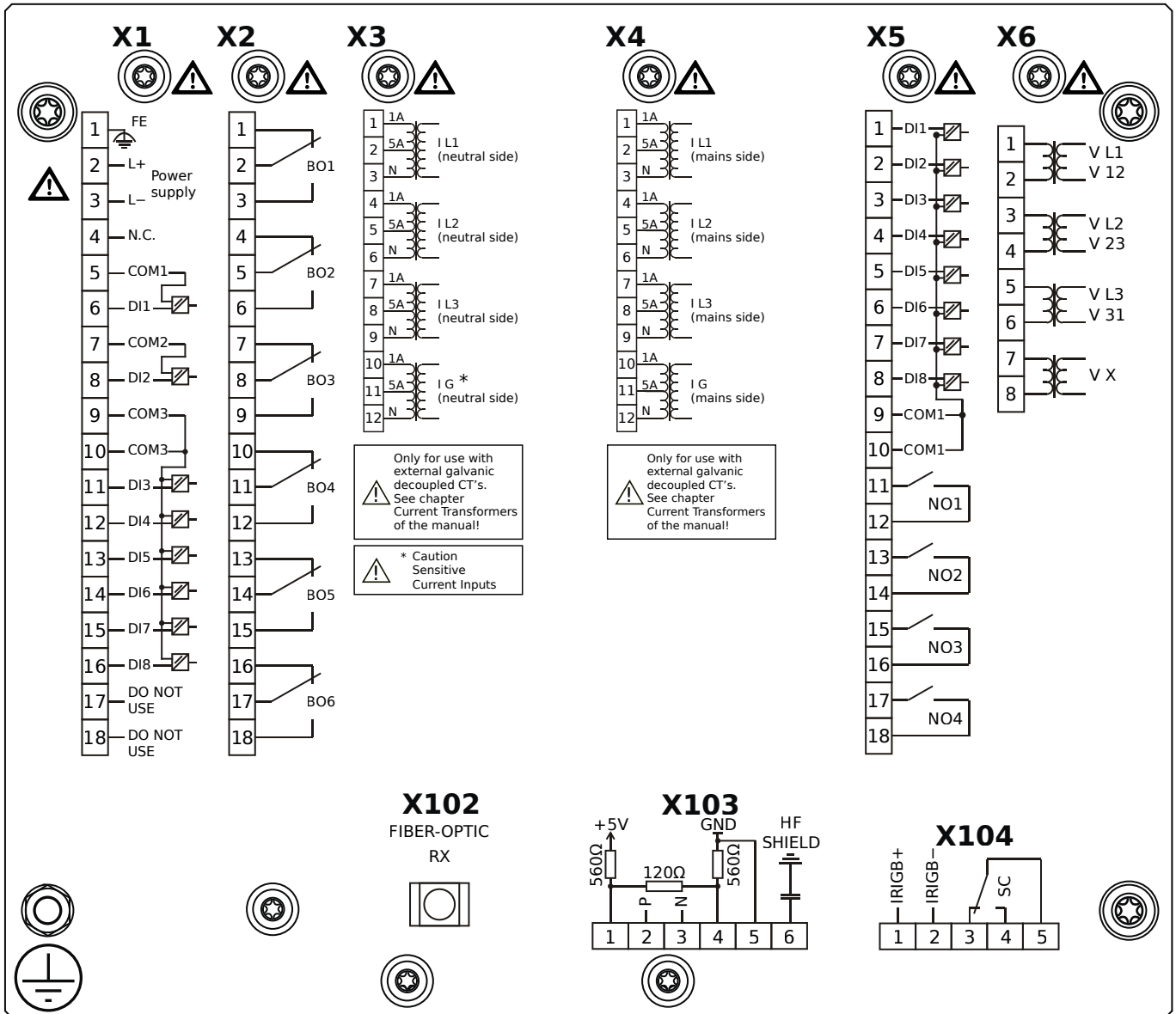


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
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- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

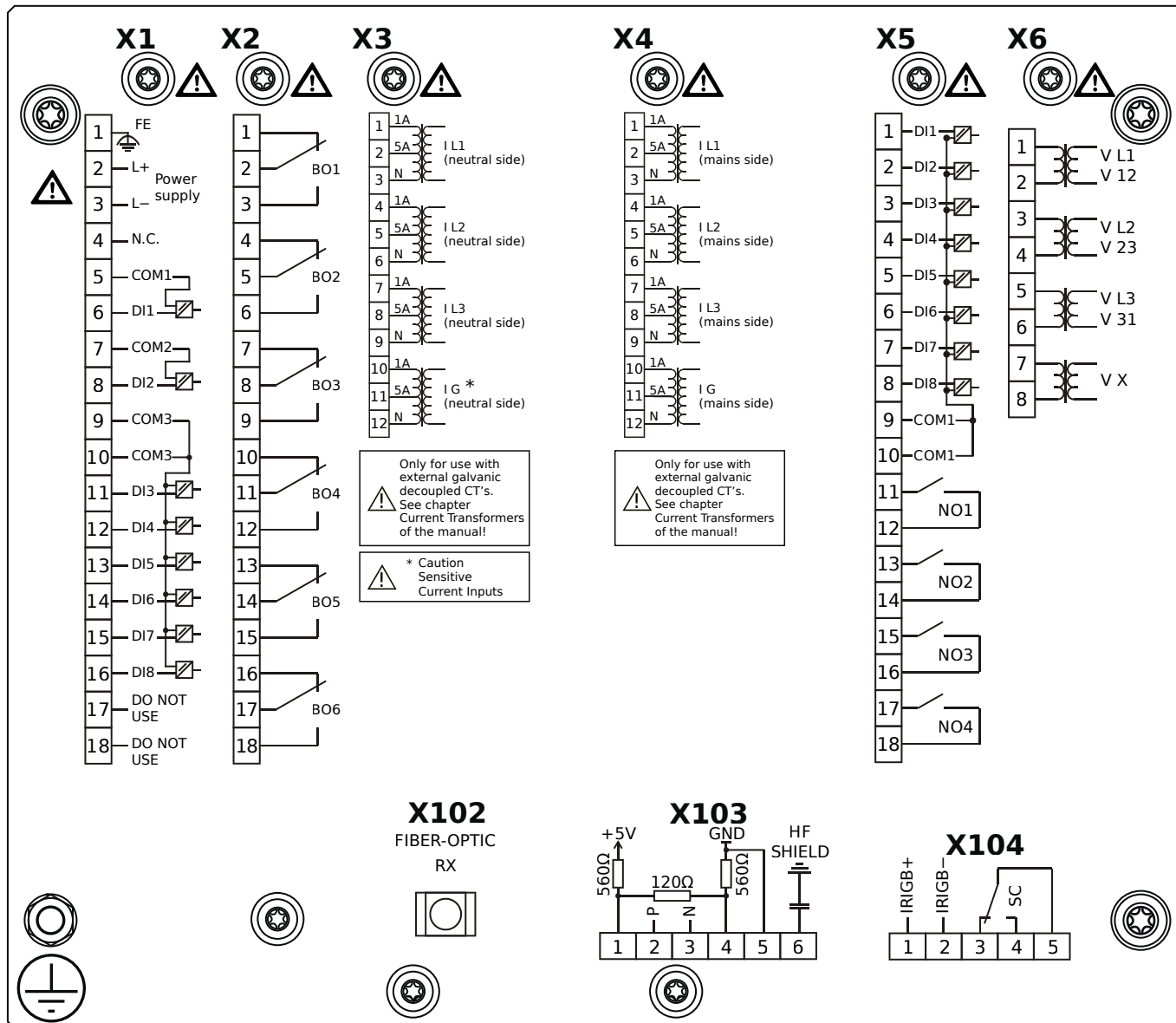
MCDGV4-2A1BBA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1BBB

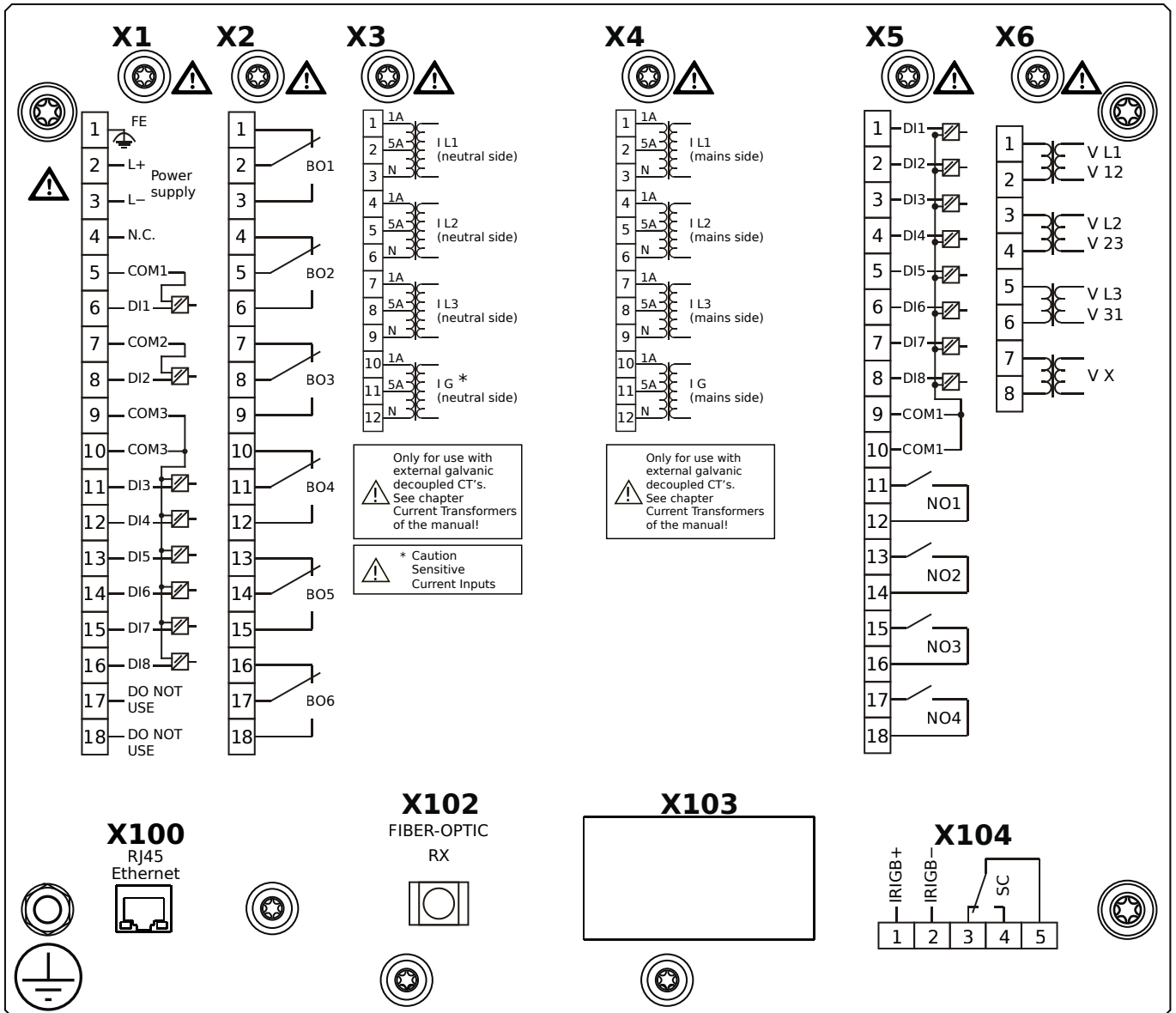


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

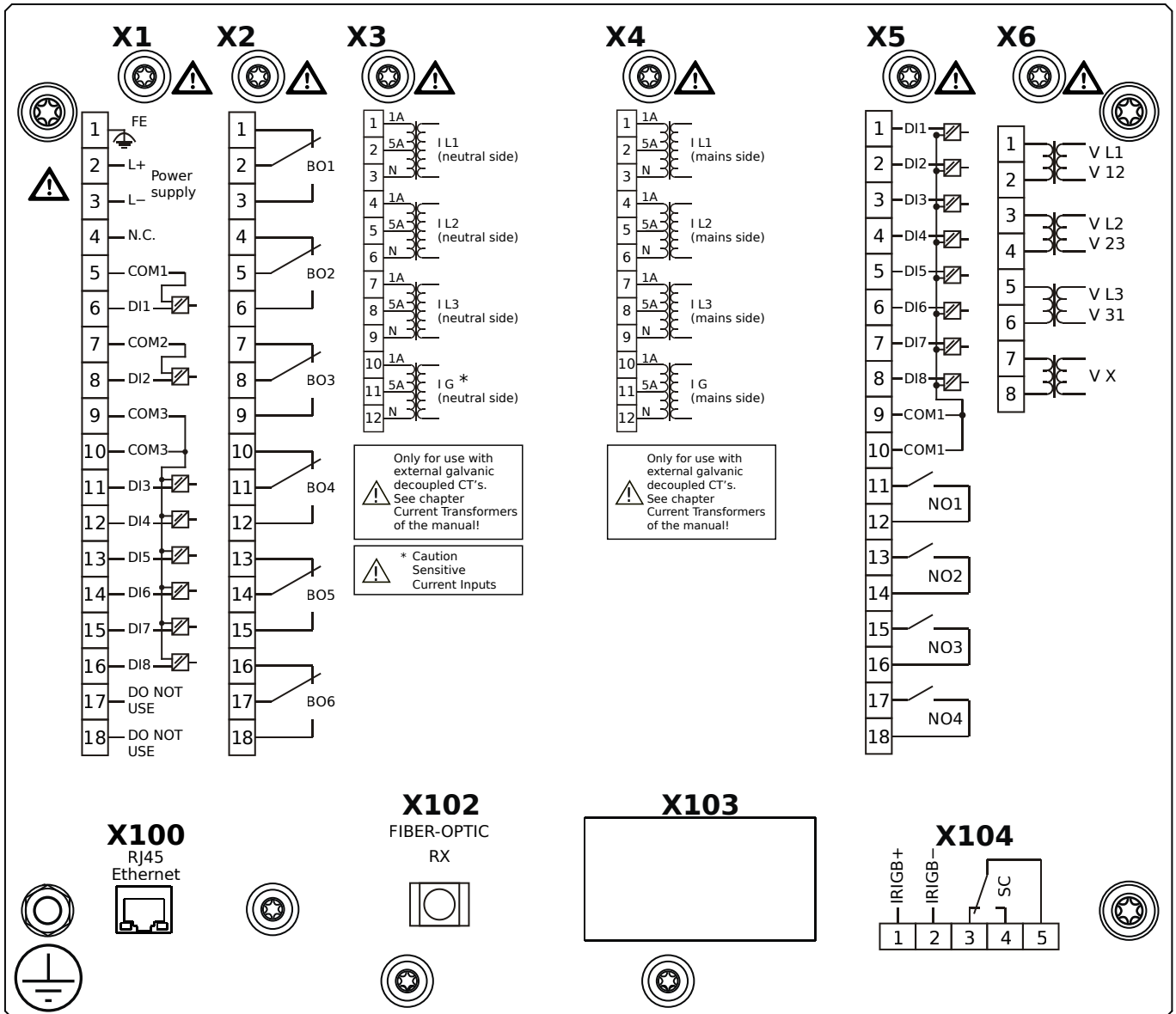
MCDGV4-2A1BCA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1BCB

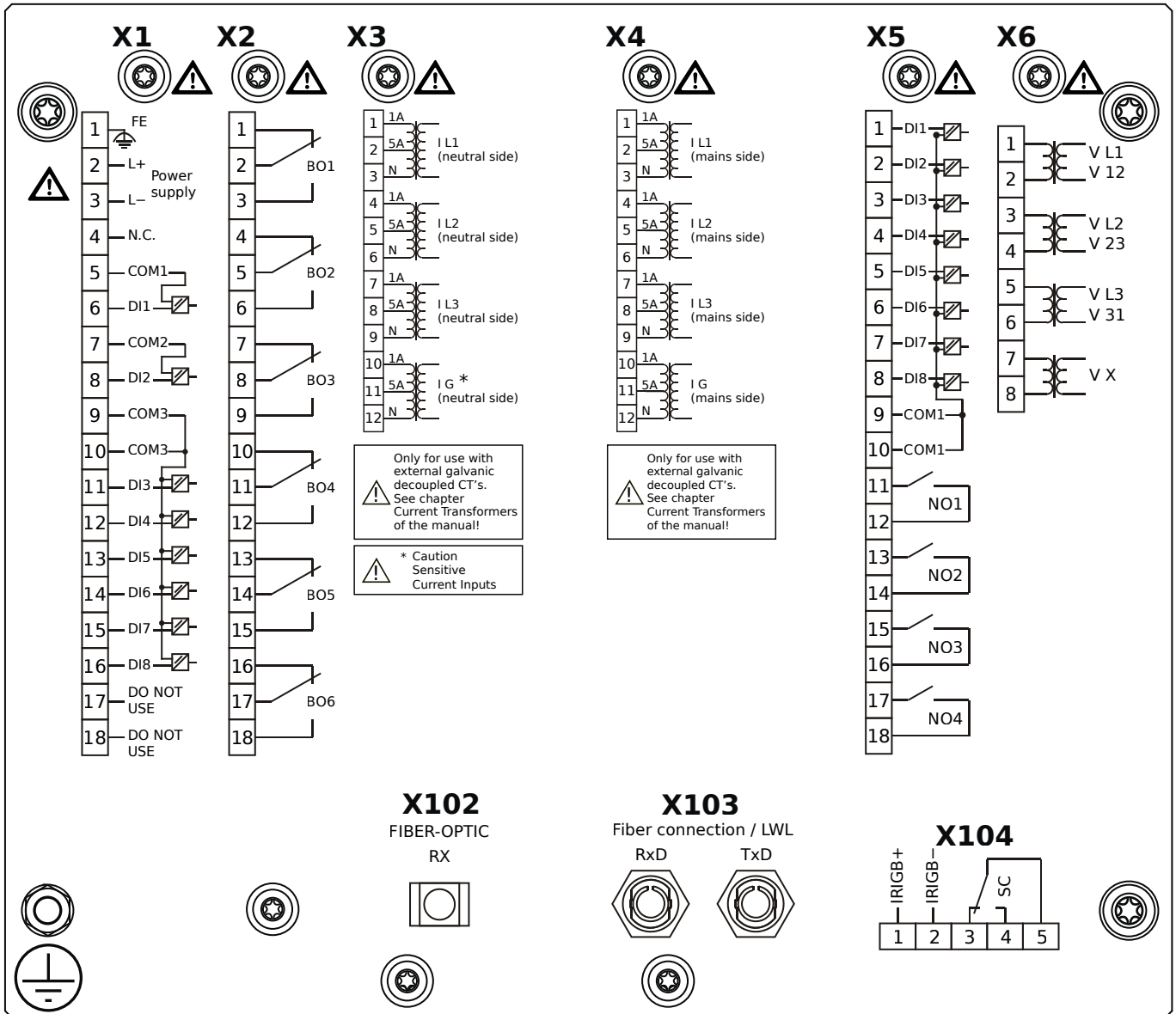


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

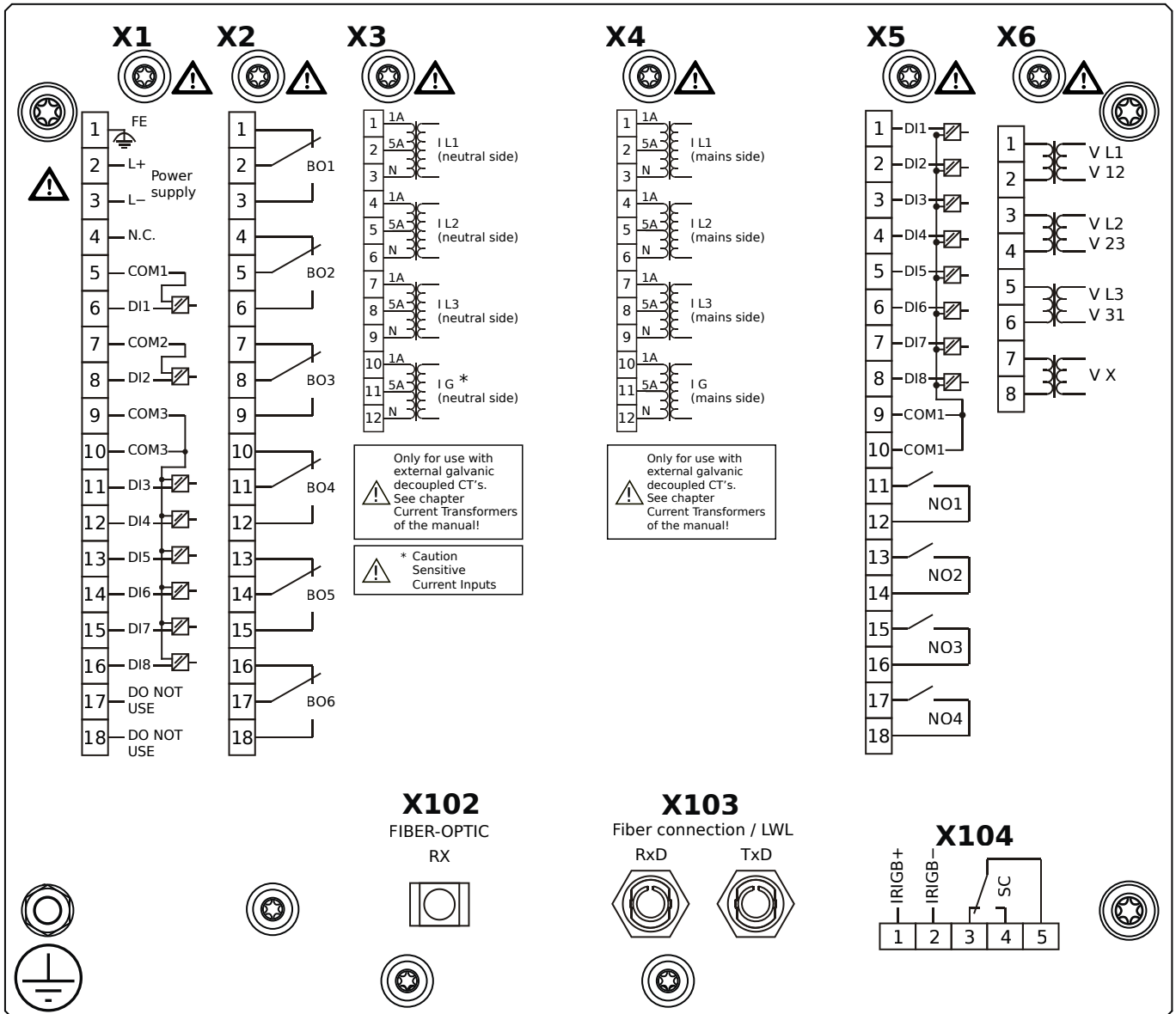
MCDGV4-2A1BDA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1BDB

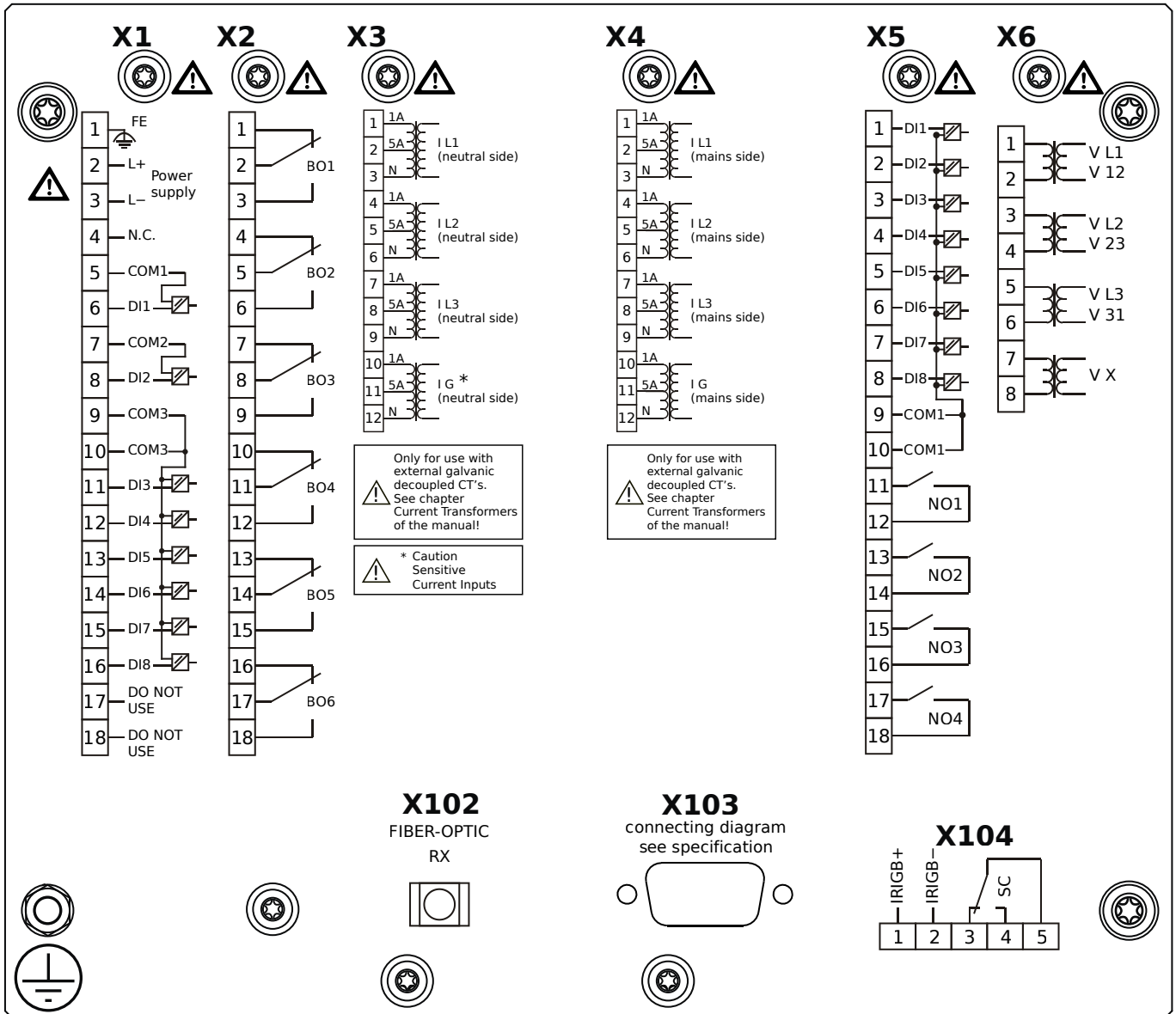


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

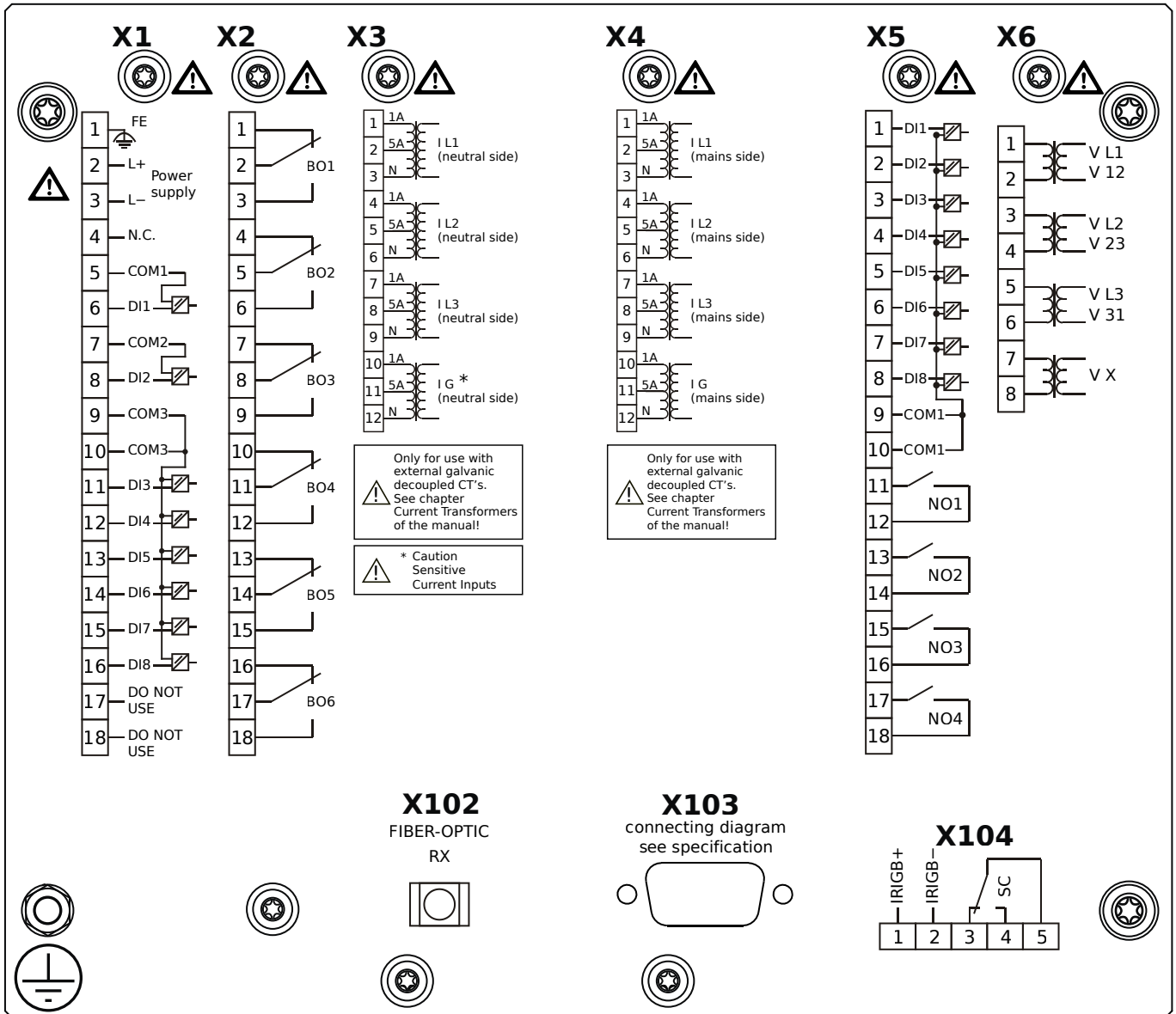
MCDGV4-2A1BEA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1BEB

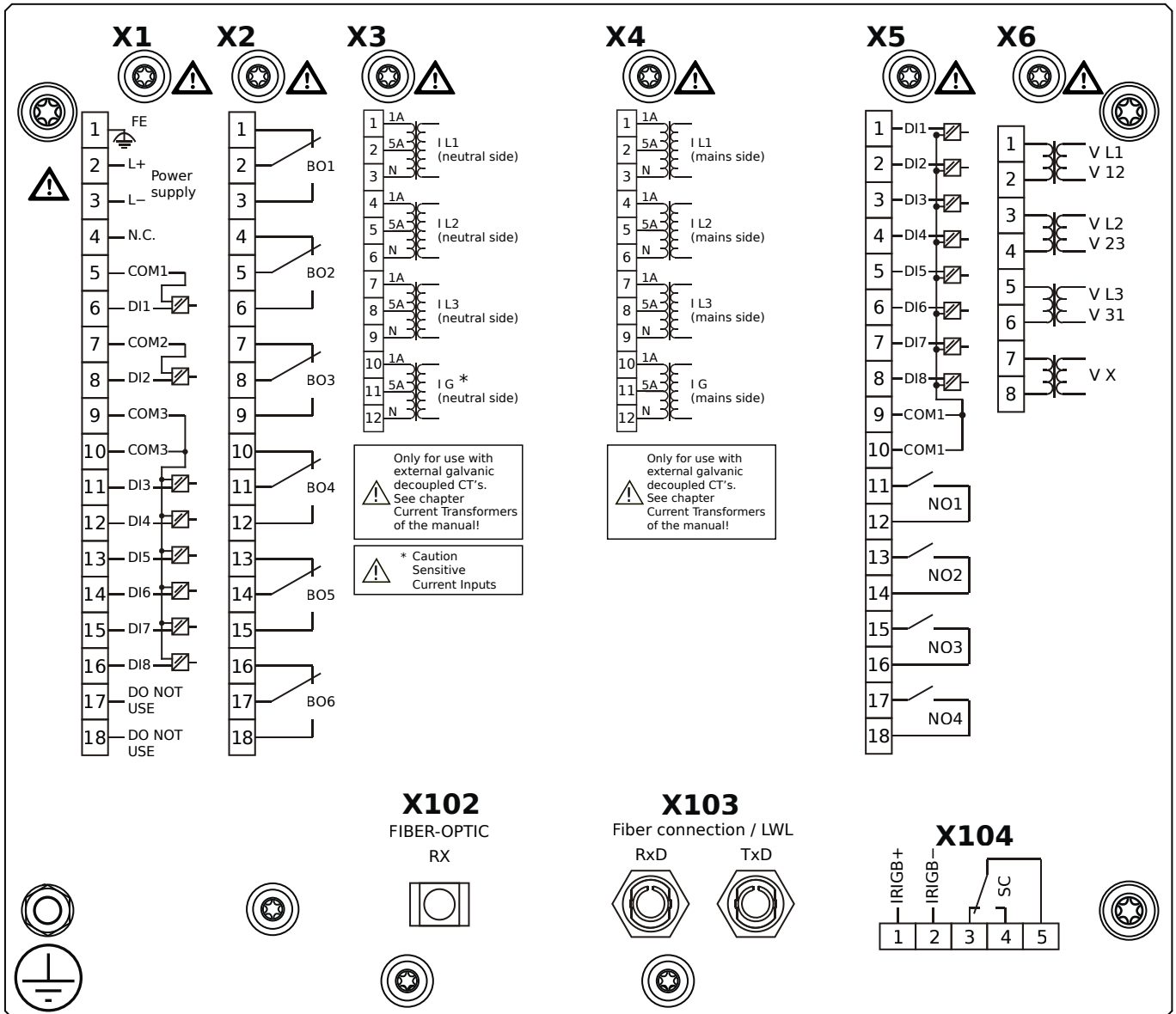


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

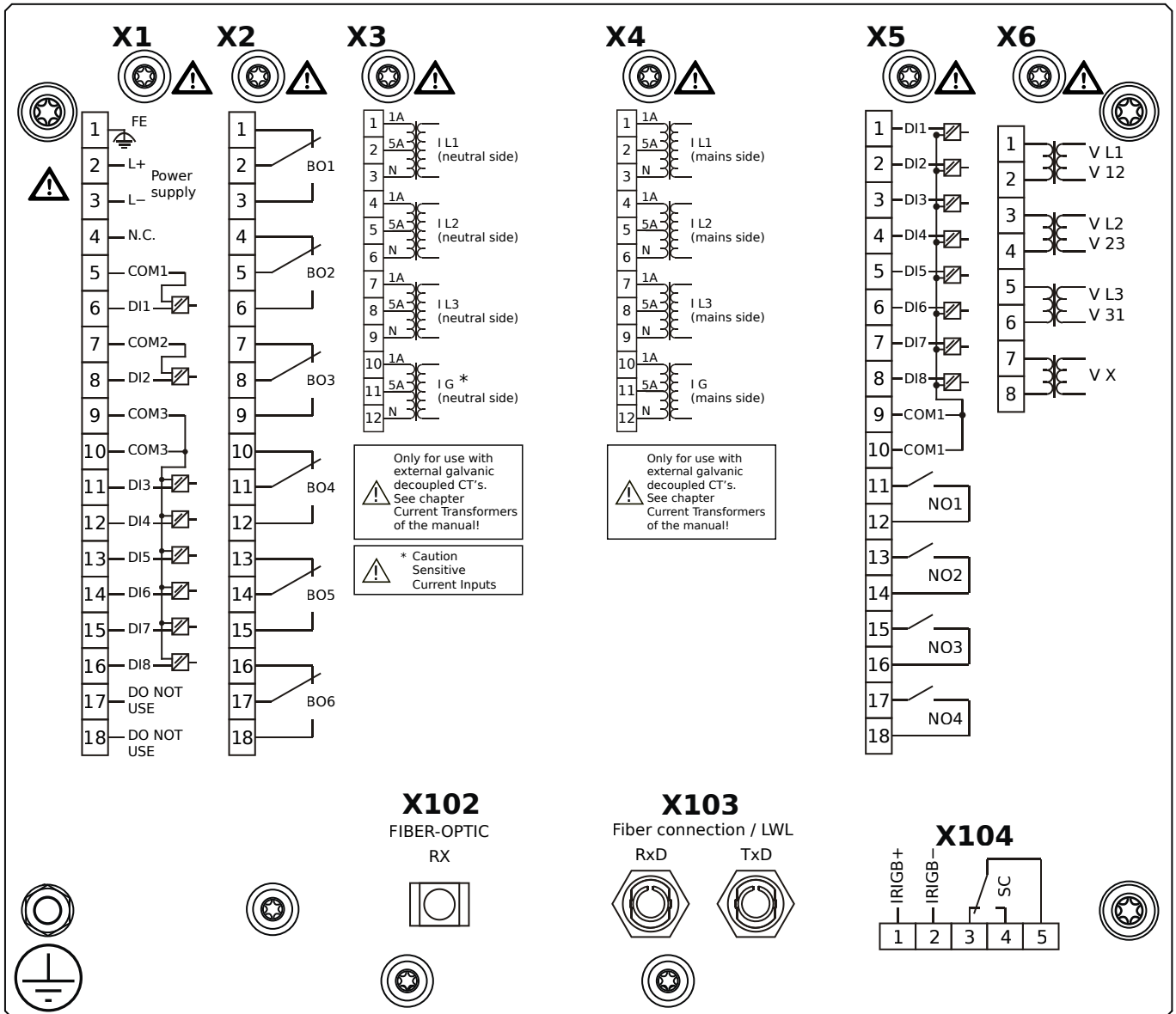
MCDGV4-2A1BFA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1BFB

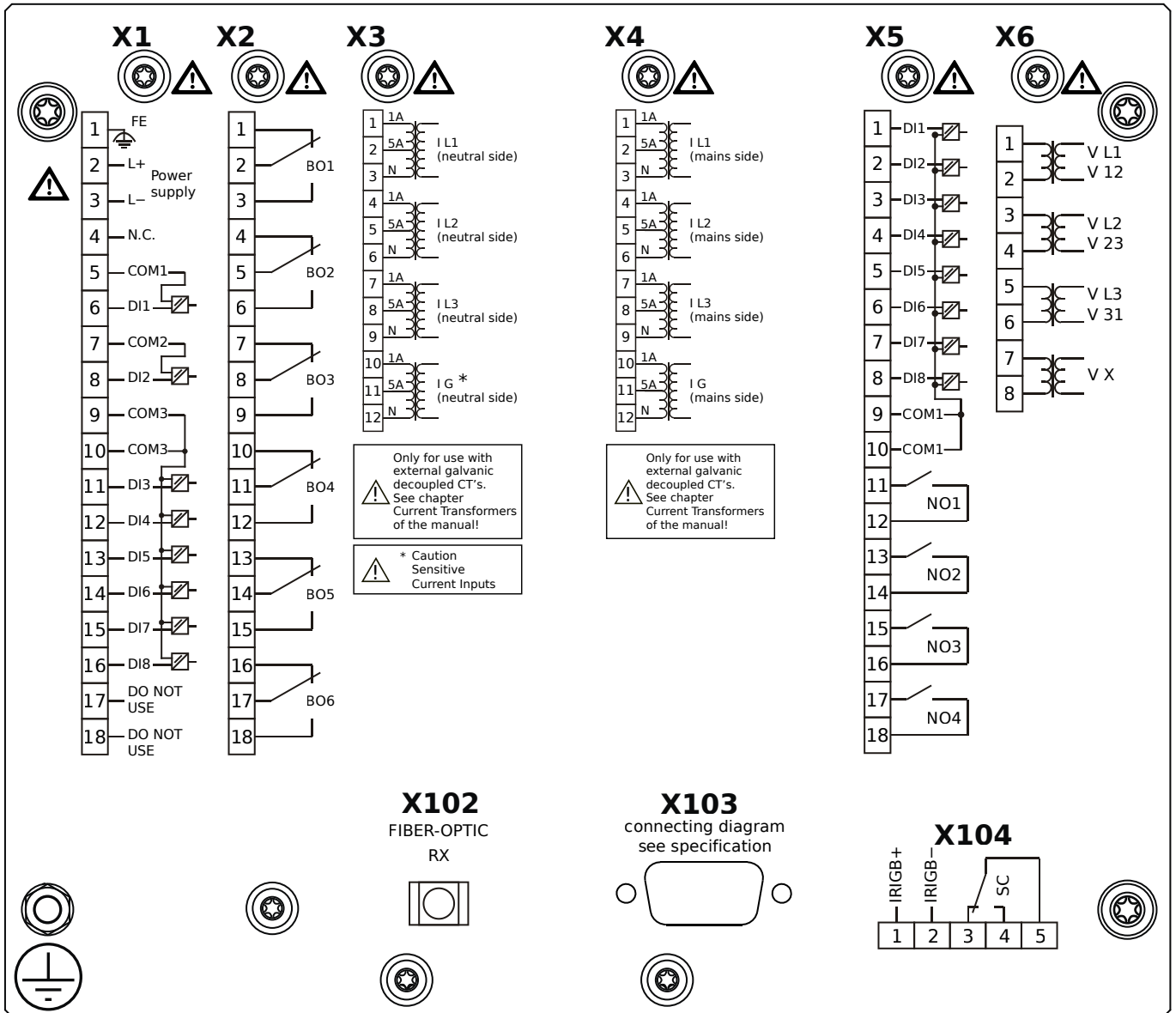


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

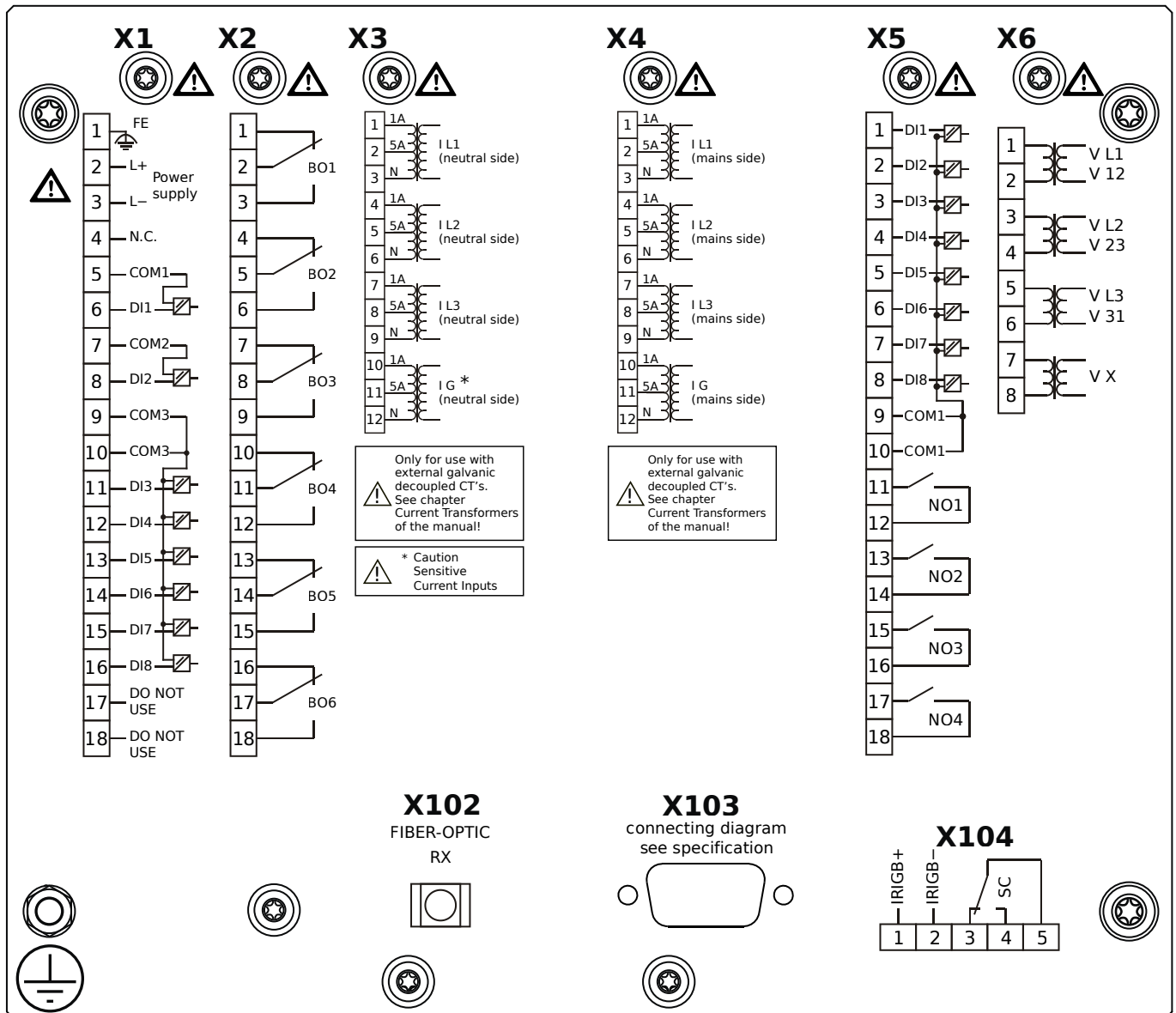
MCDGV4-2A1BGA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1BGB

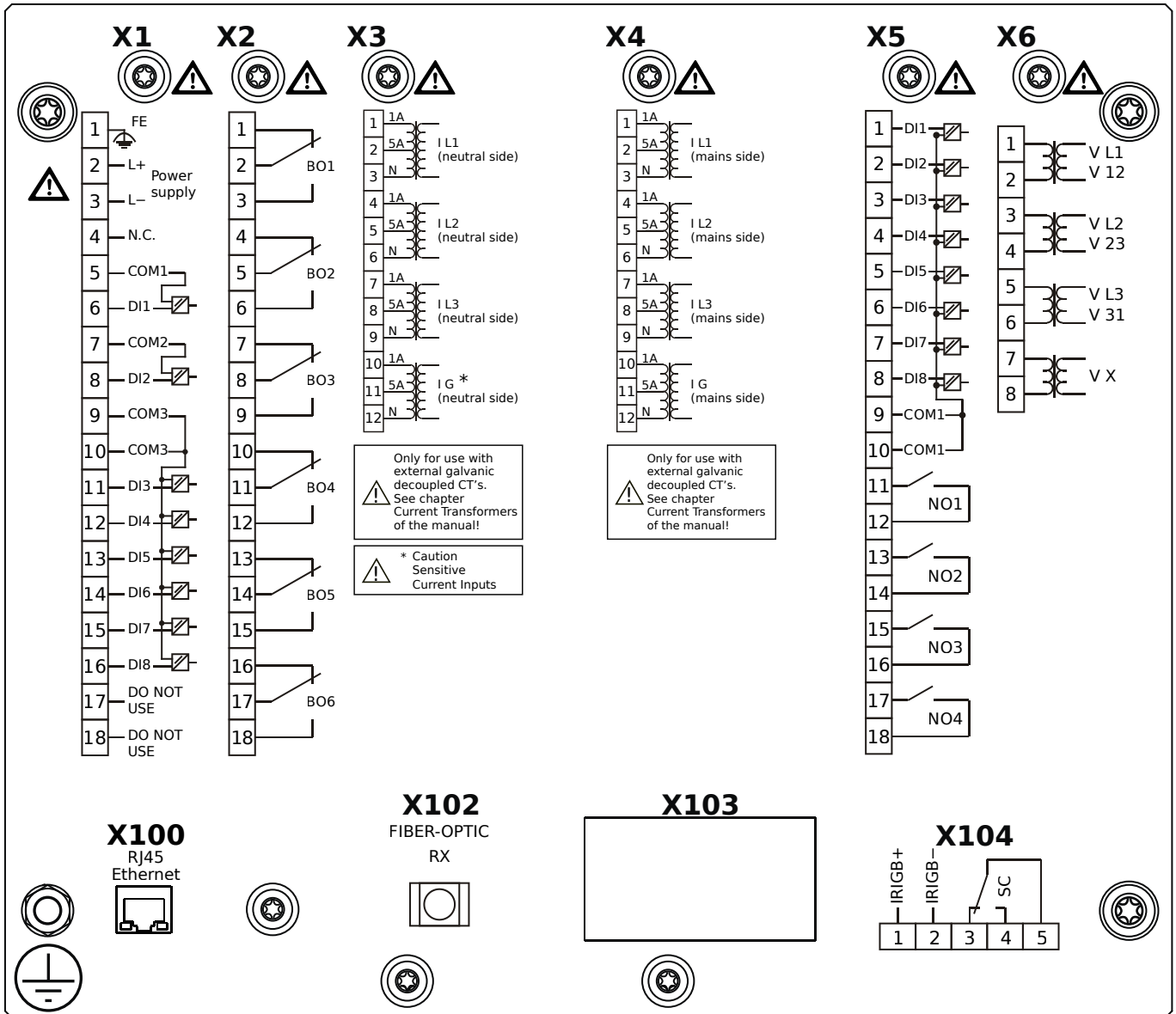


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

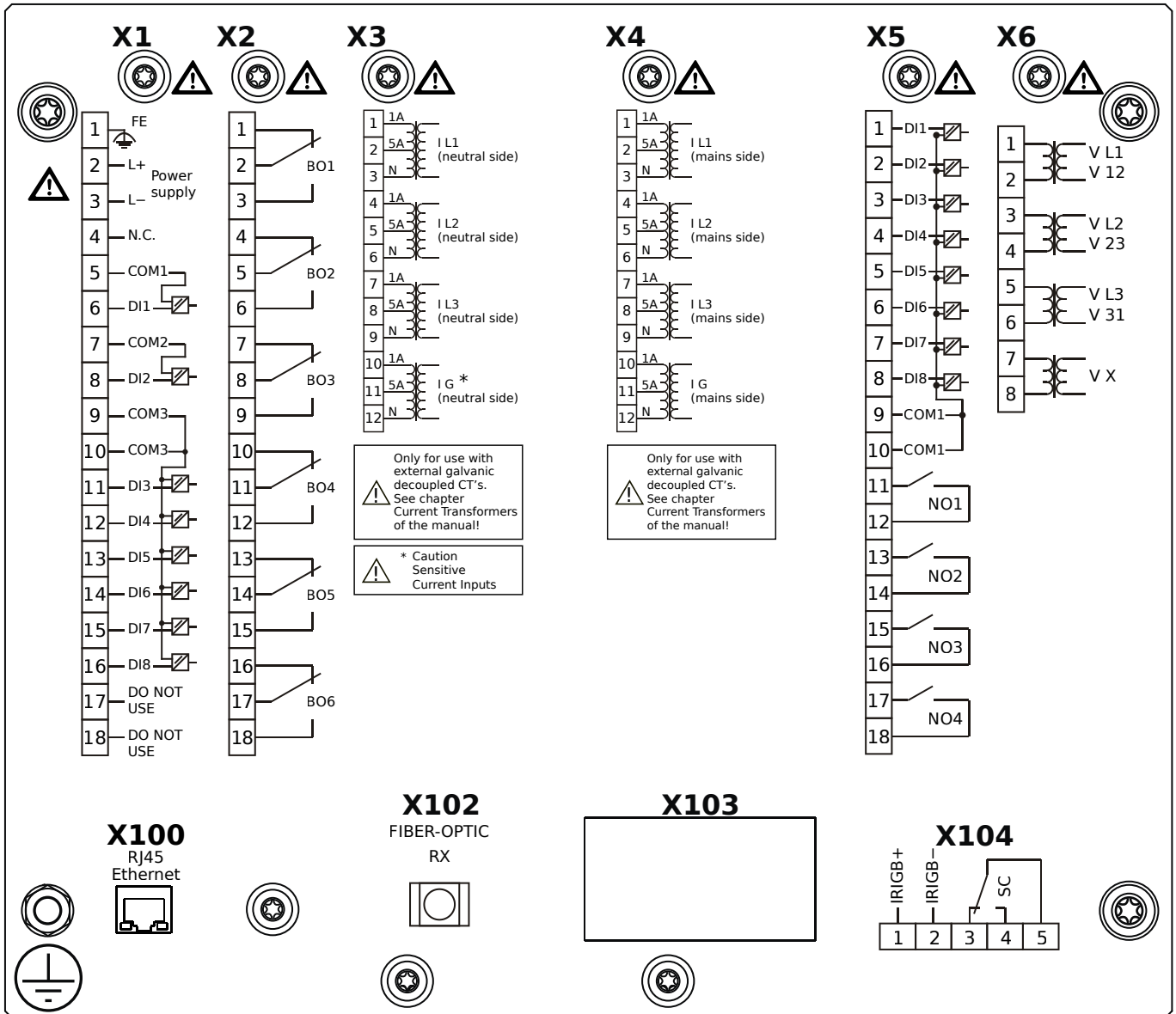
MCDGV4-2A1BHA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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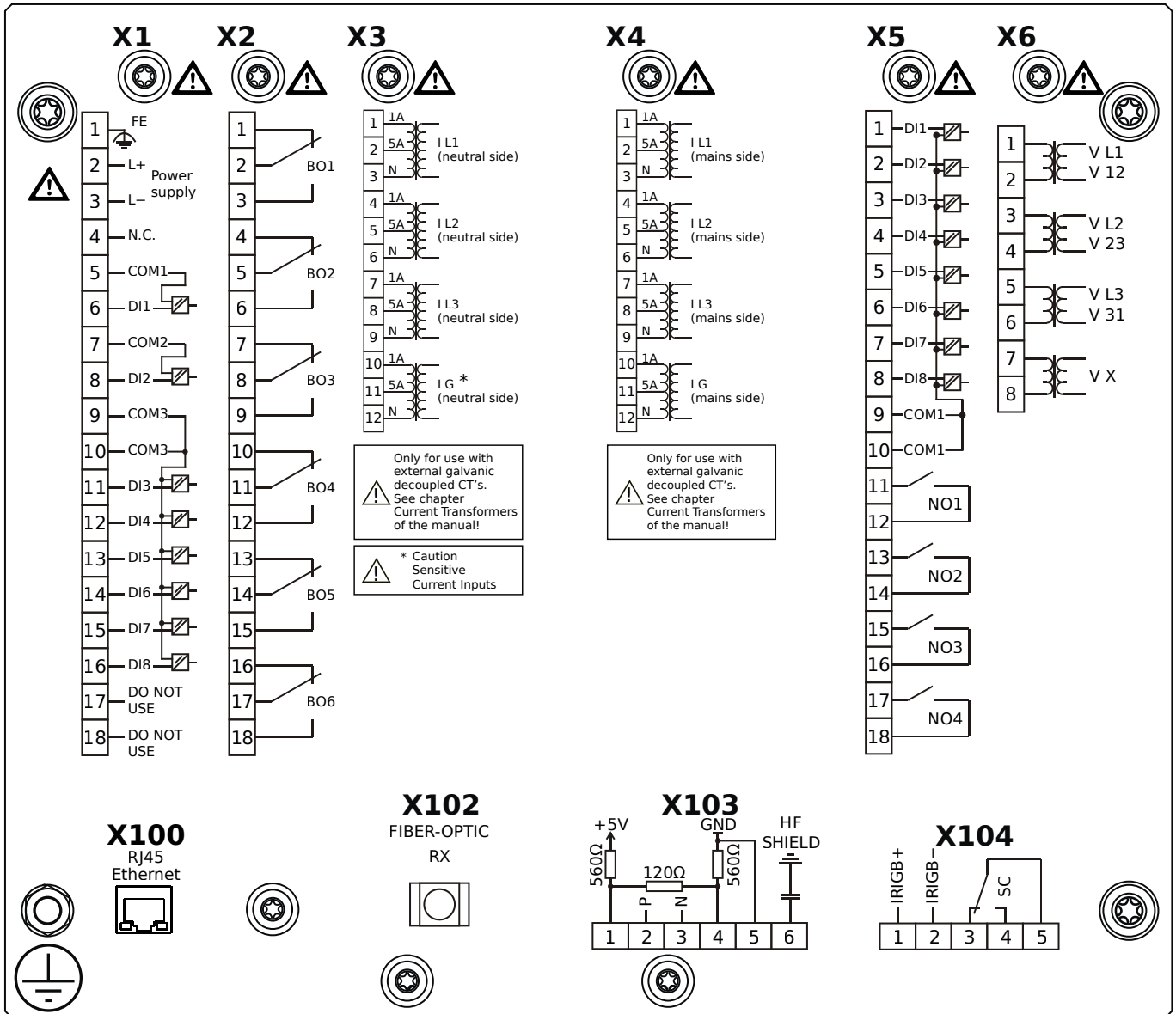


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

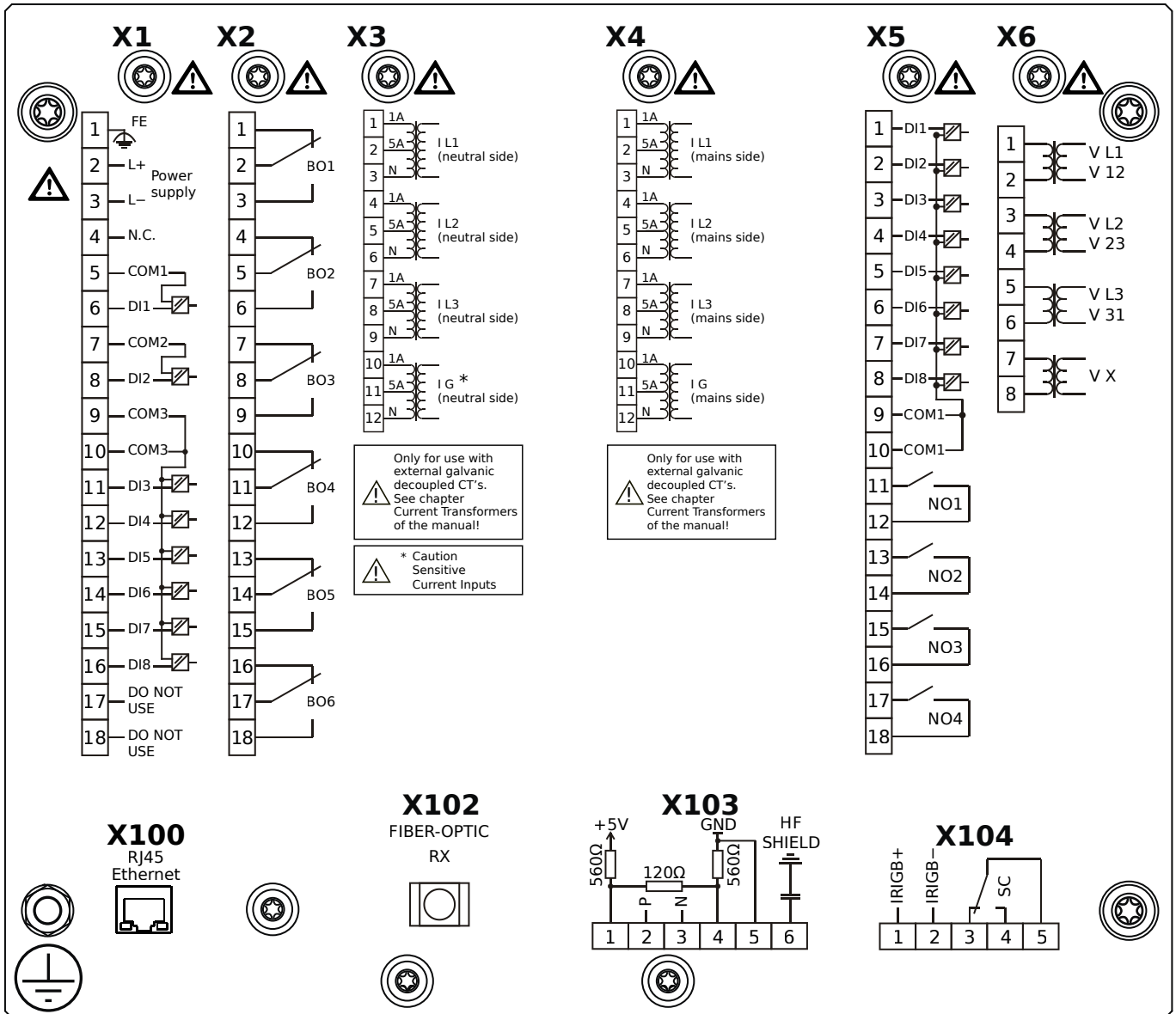
MCDGV4-2A1BIA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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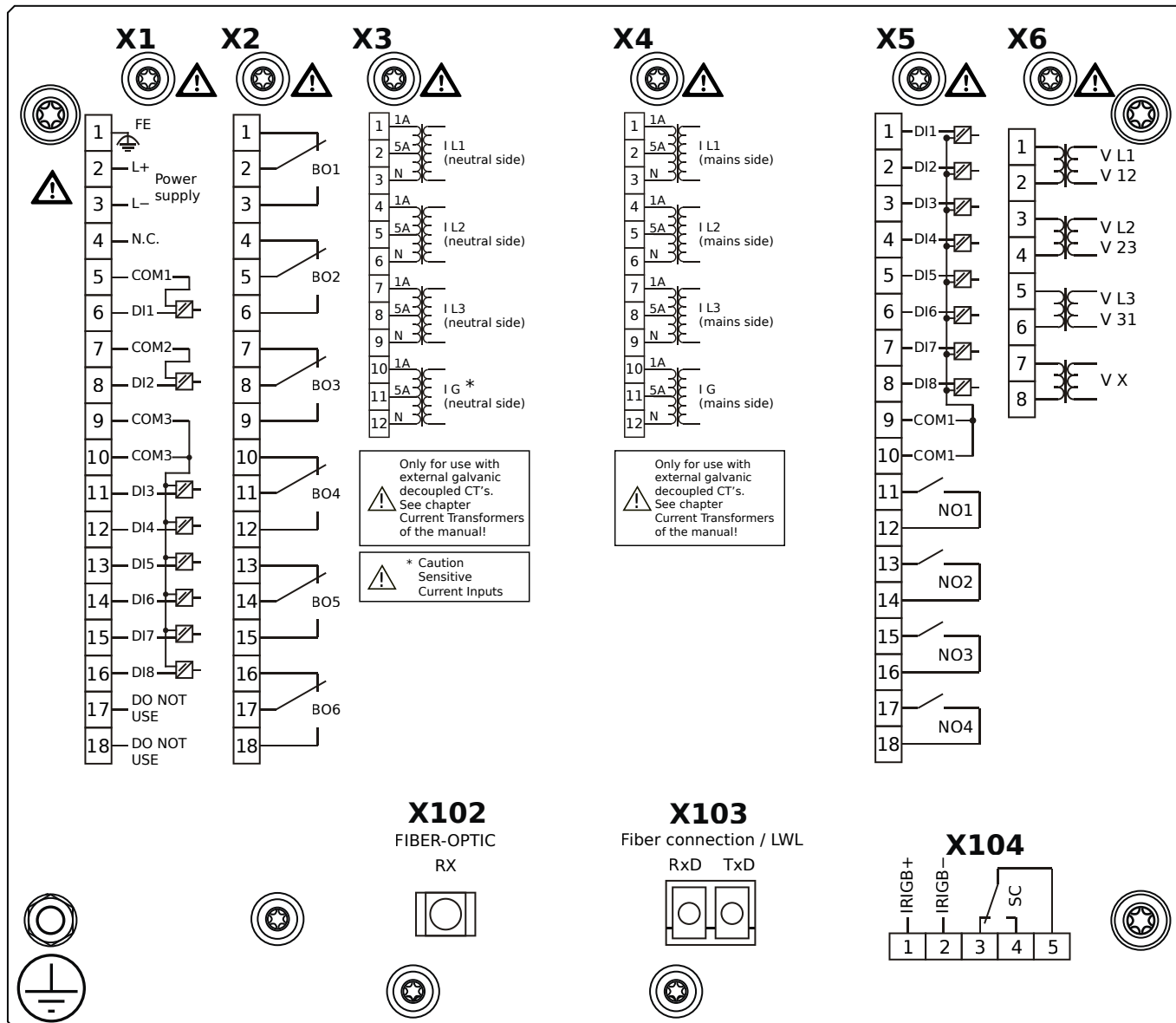


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

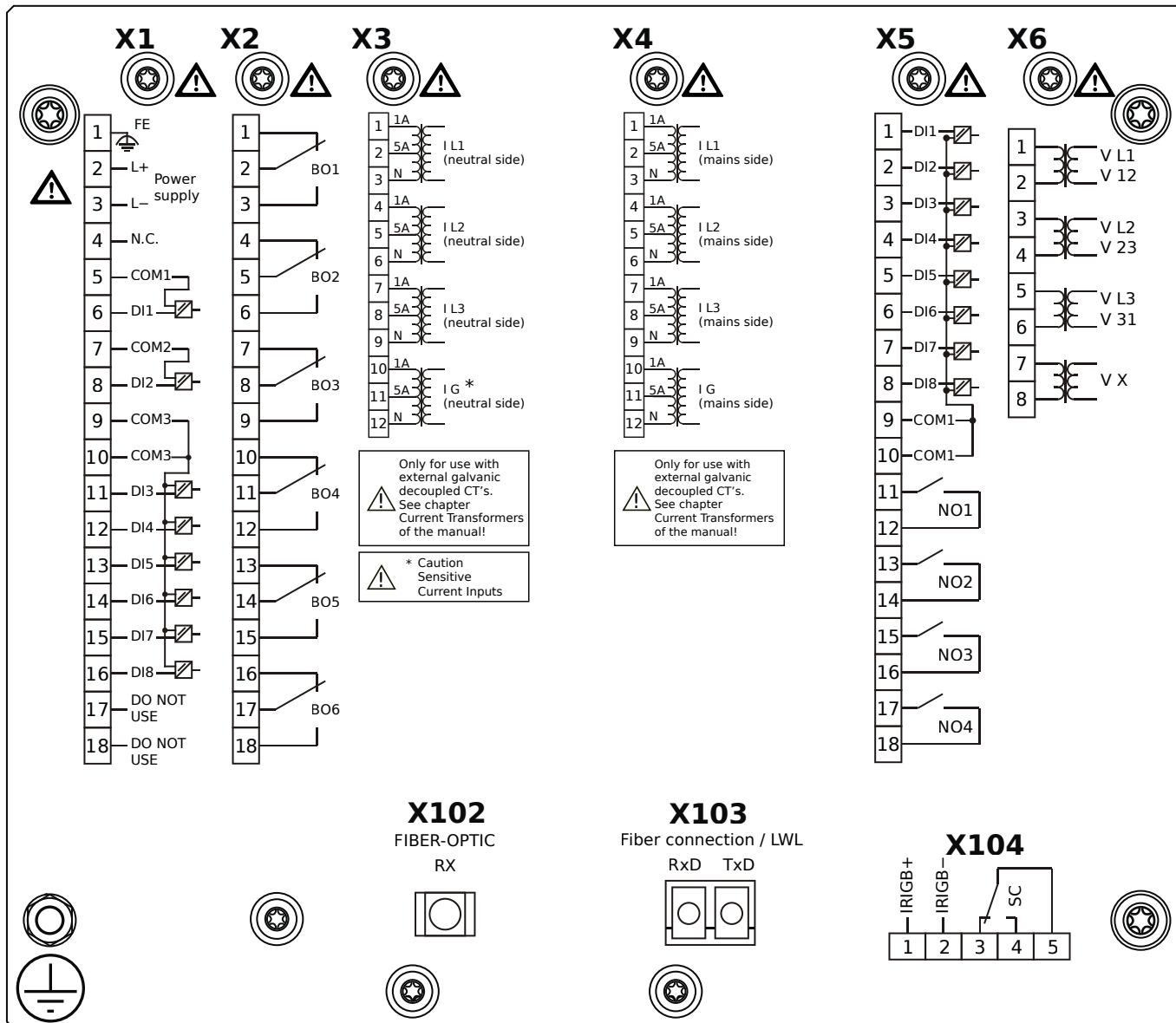
MCDGV4-2A1BKA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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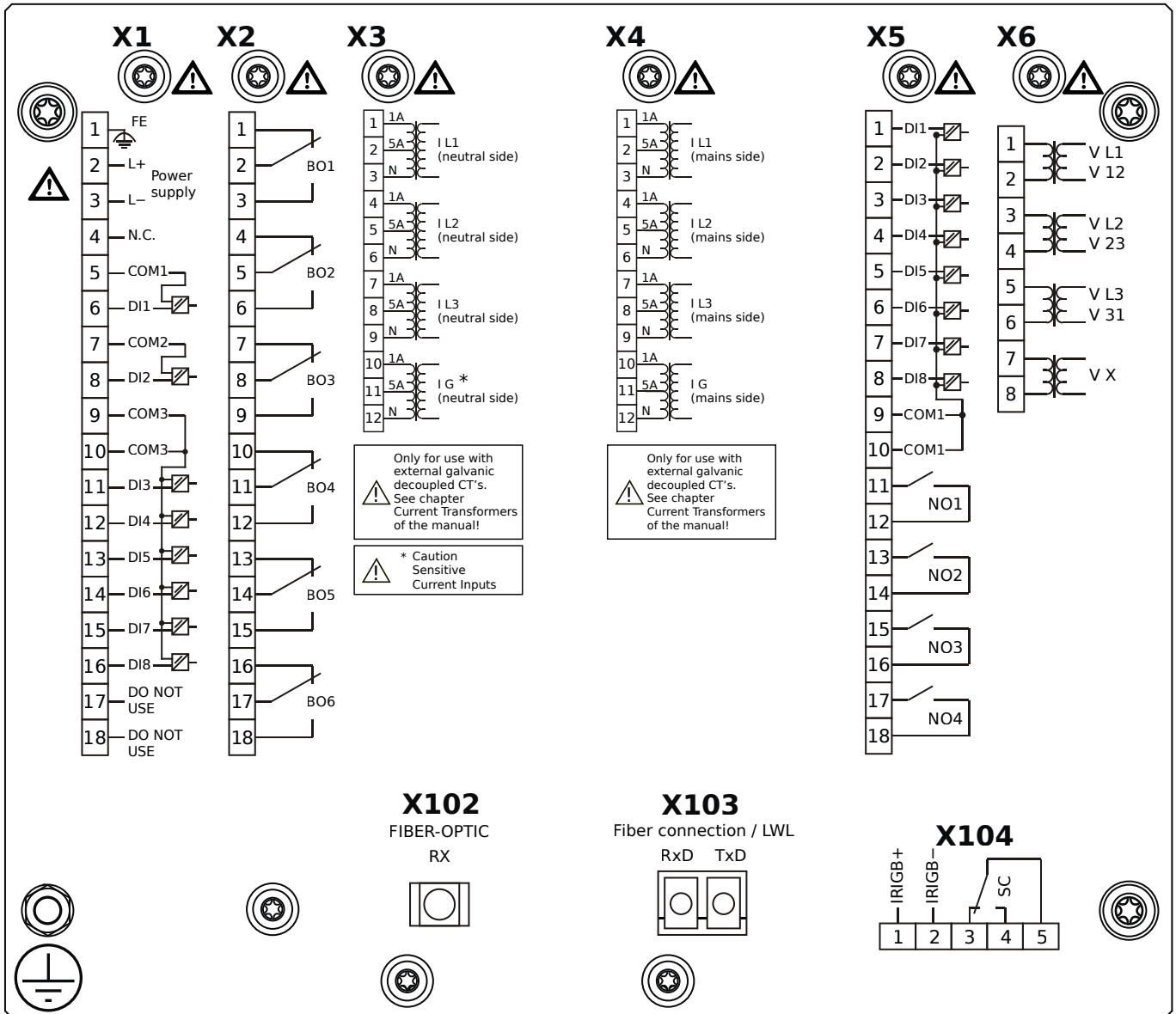


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

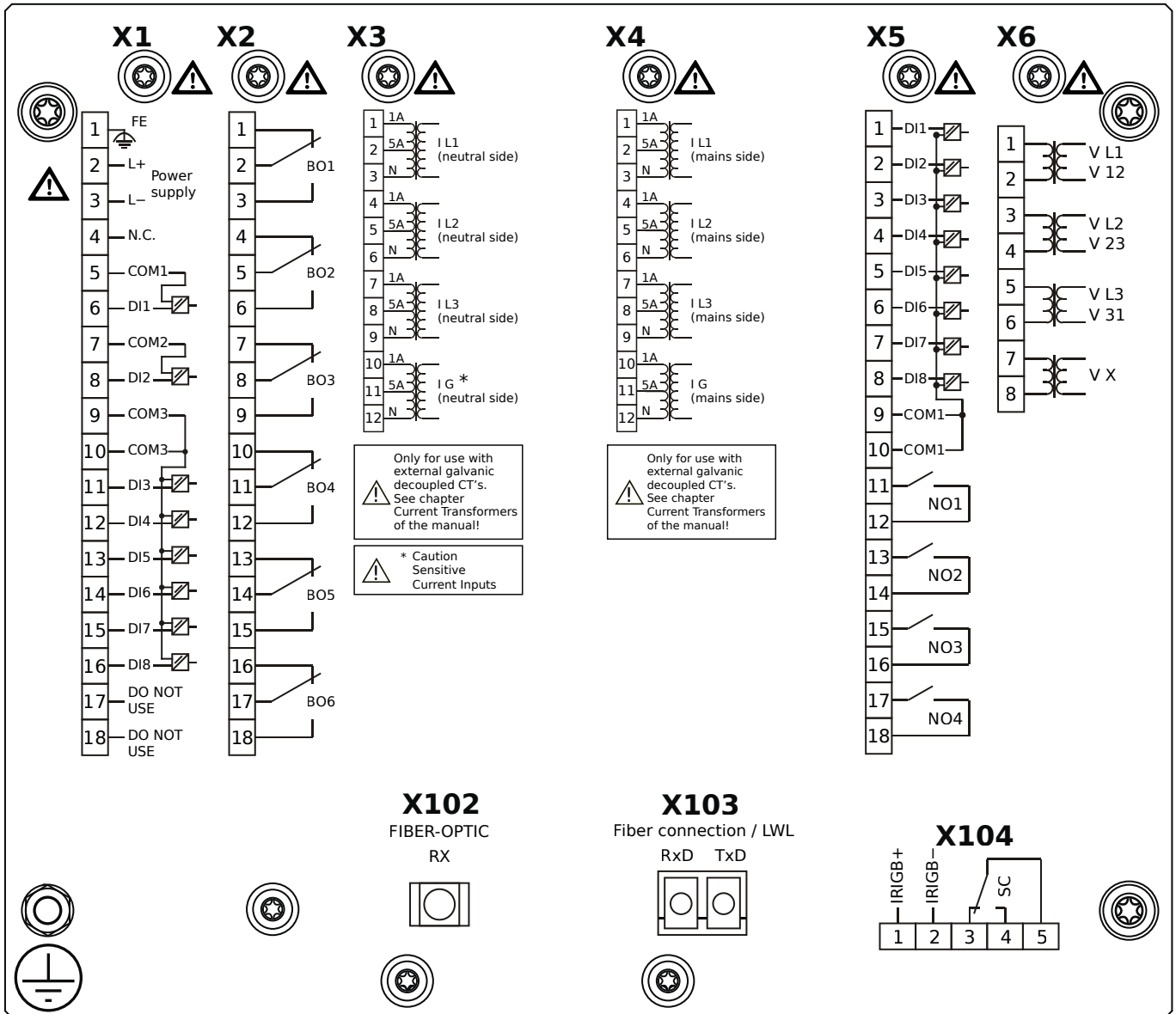
MCDGV4-2A1BLA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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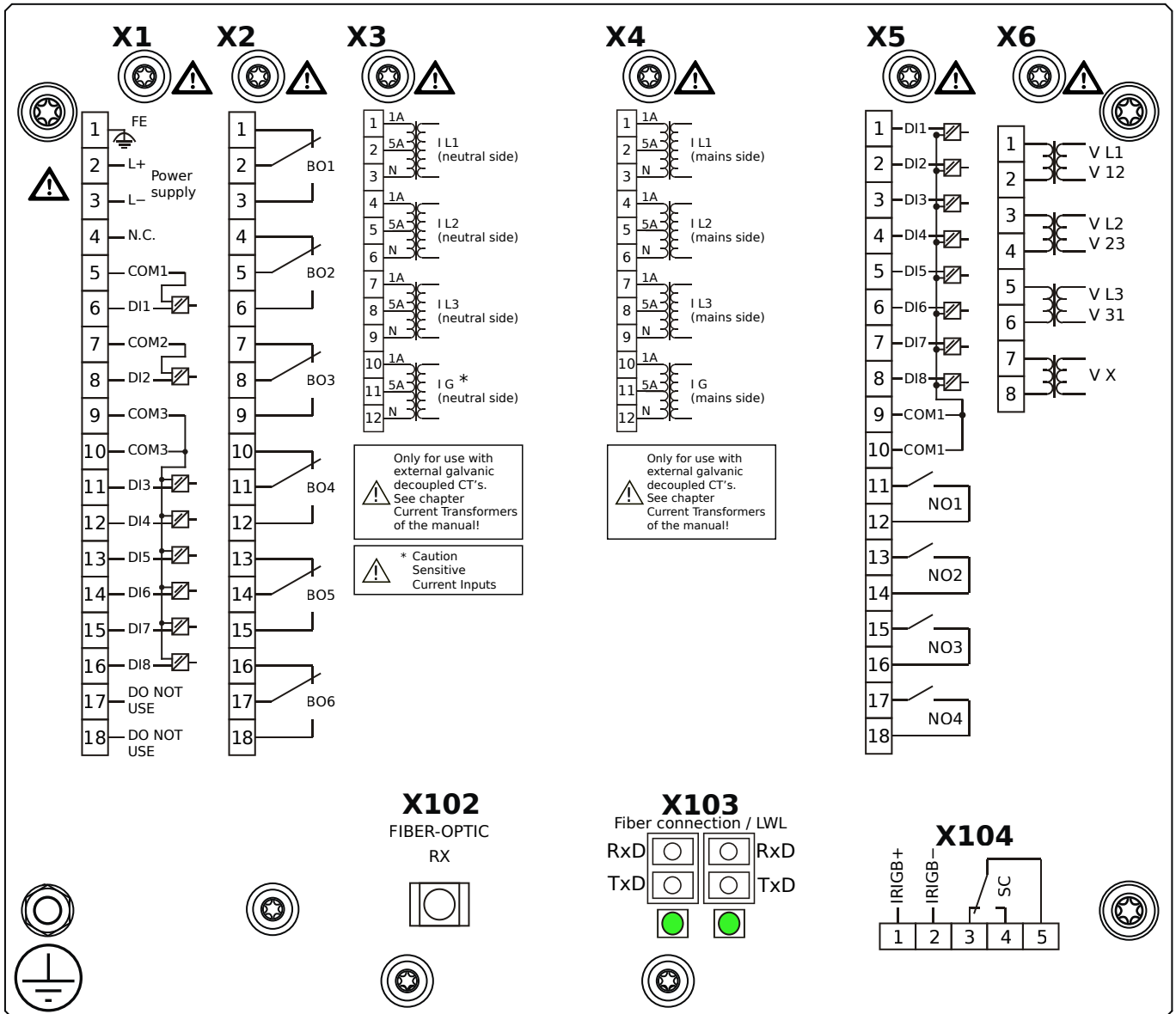


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

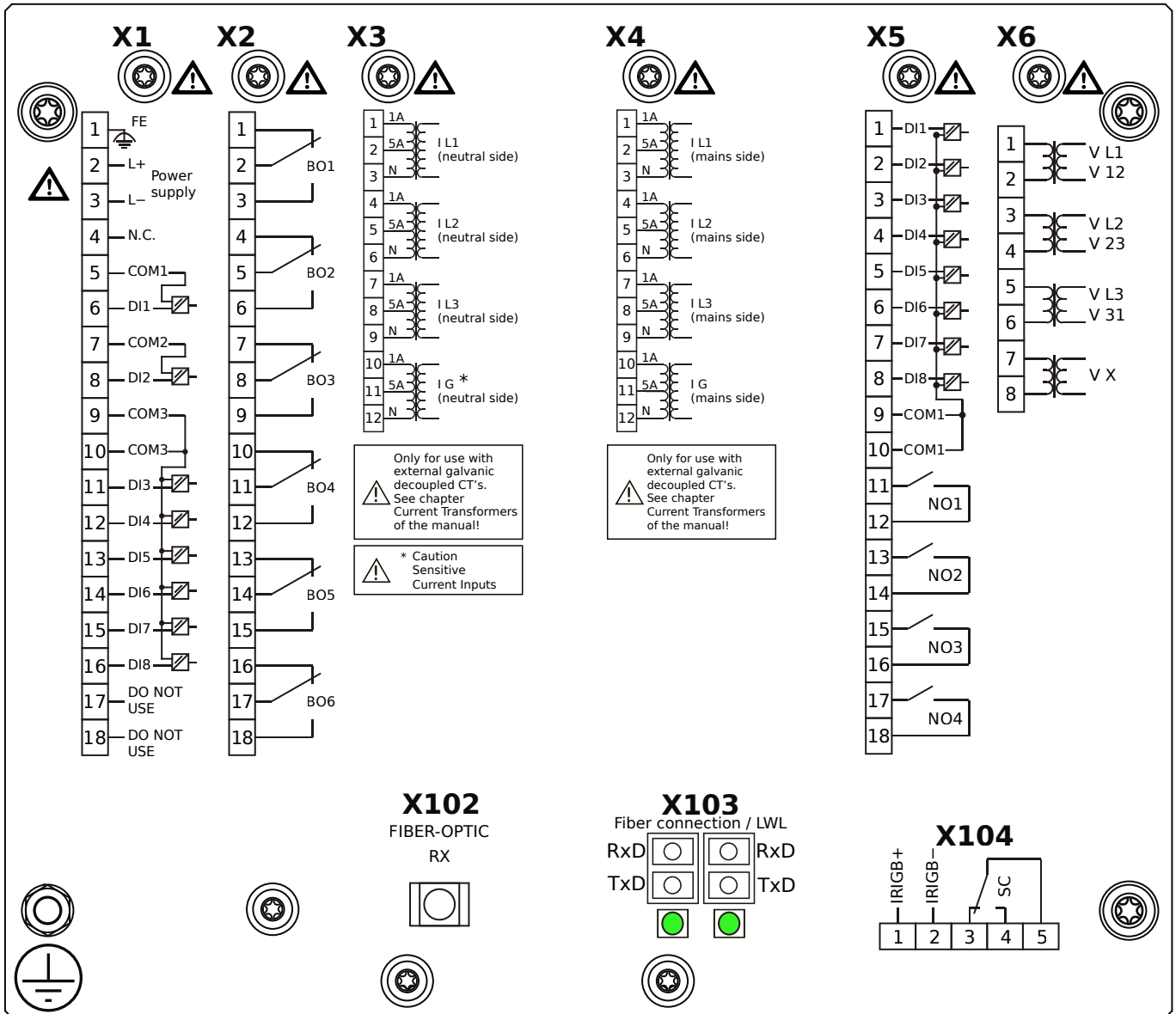
MCDGV4-2A1BOA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1BOB

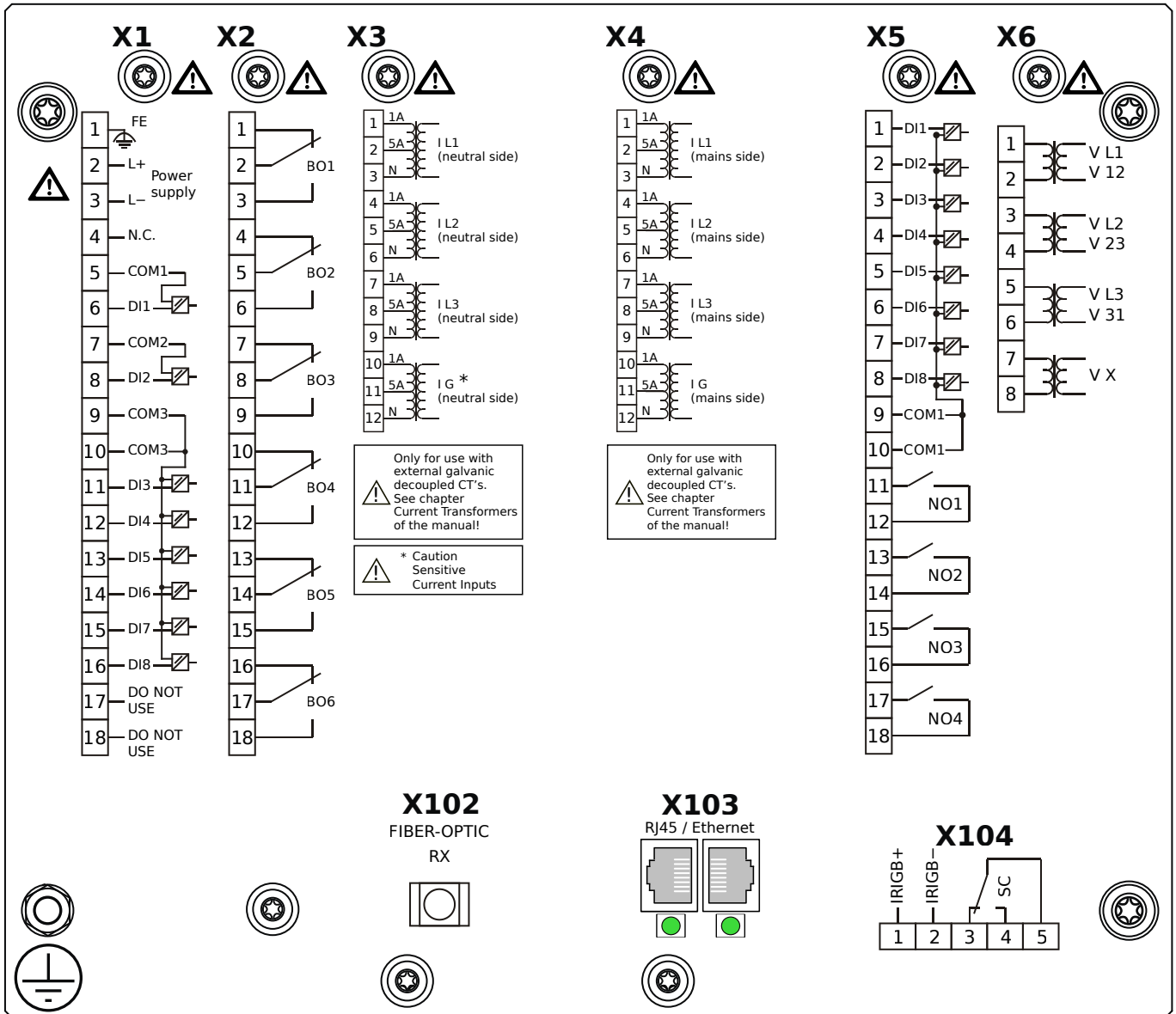


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

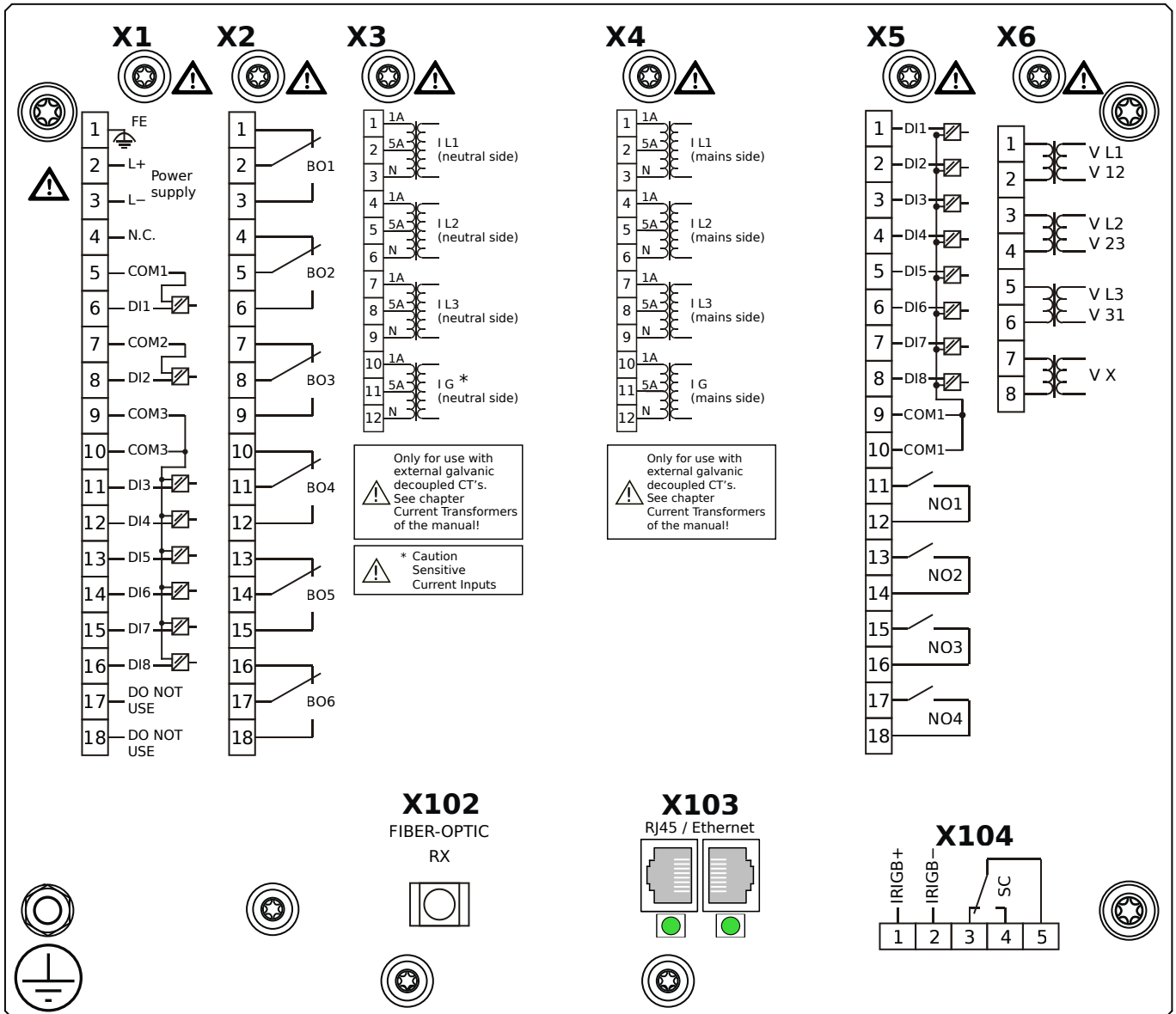
MCDGV4-2A1BPA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1BPB

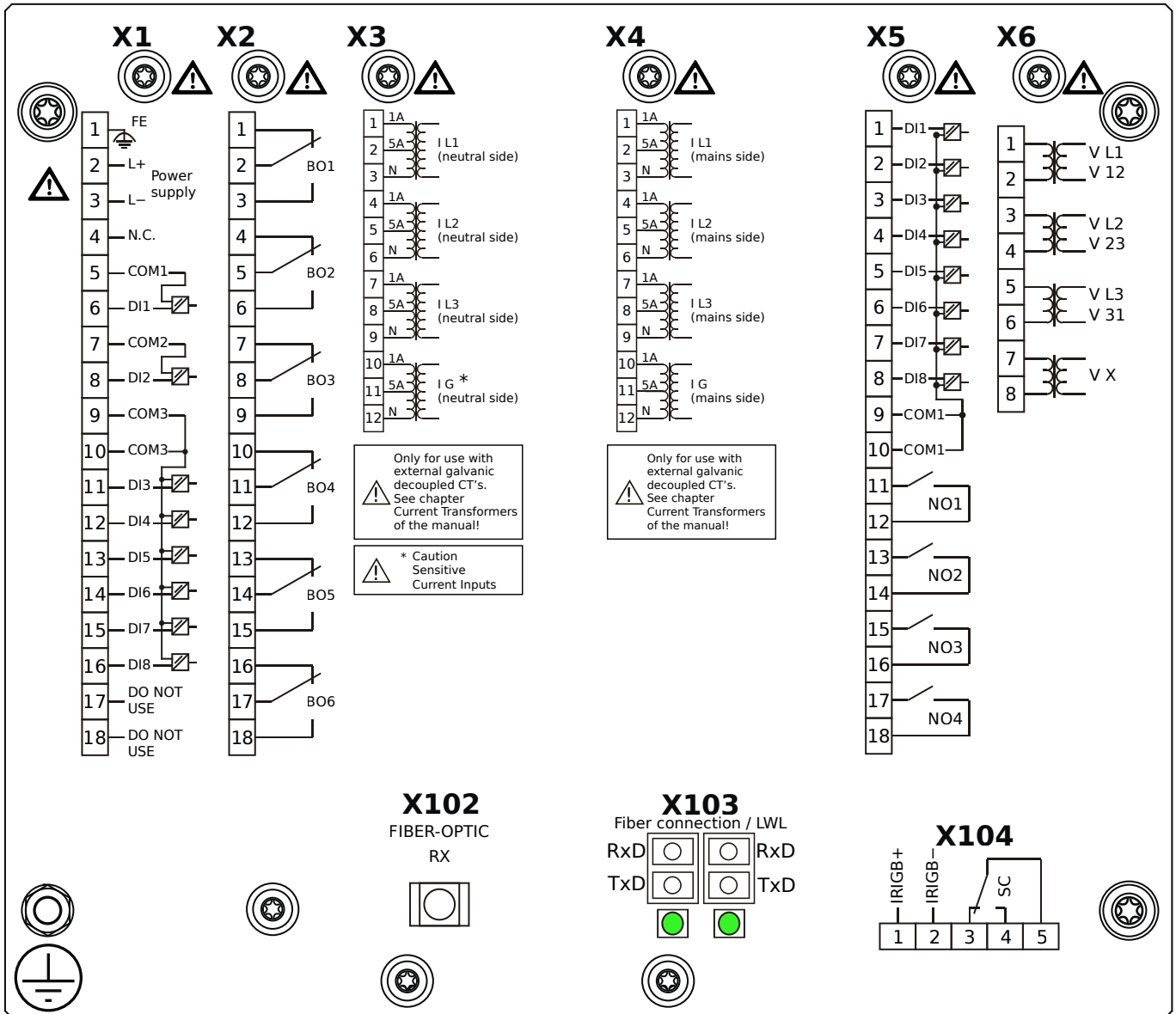


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

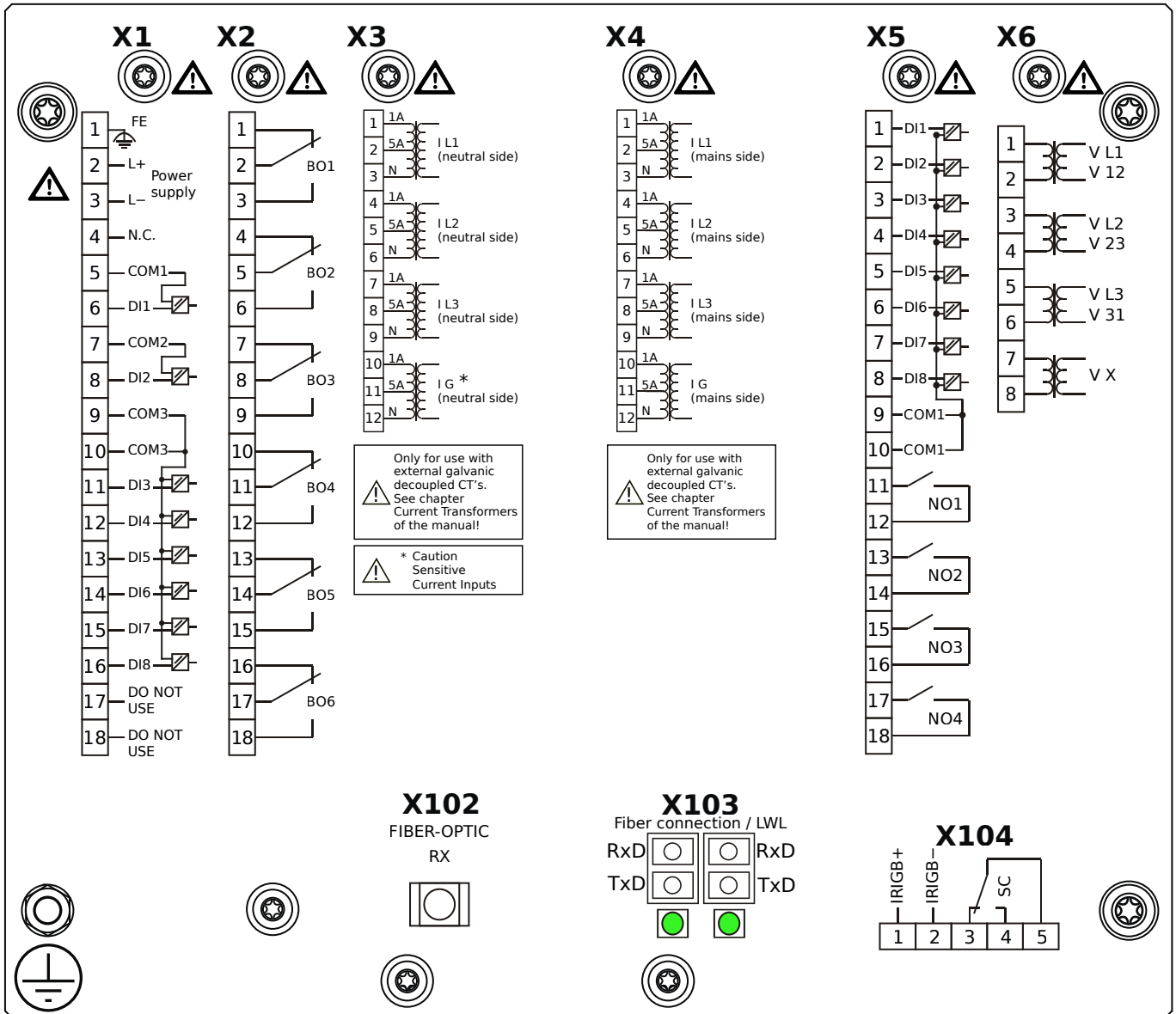
MCDGV4-2A1BQA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1BQB

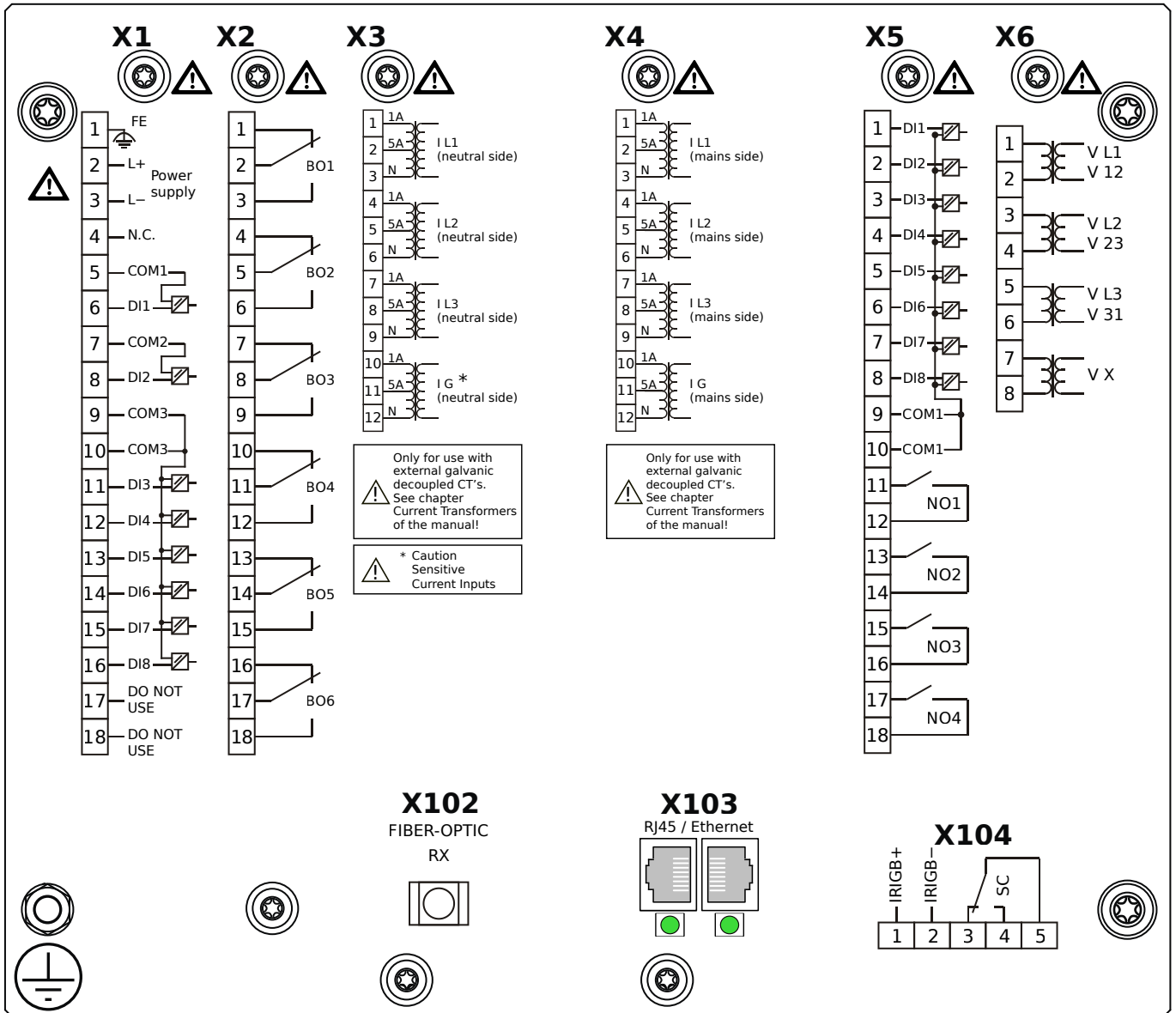


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

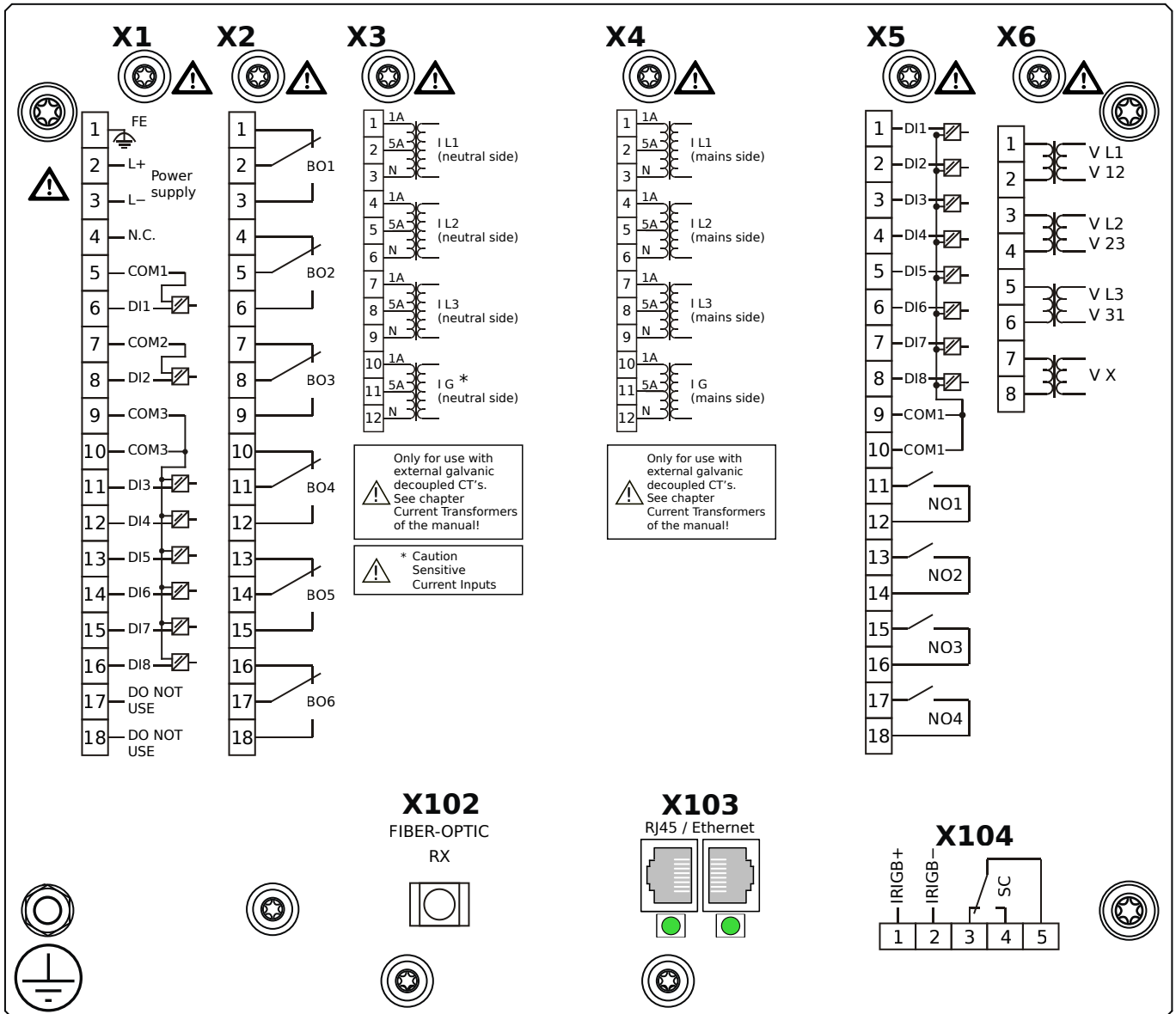
MCDGV4-2A1BRA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1BRB



Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)

X6 – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)

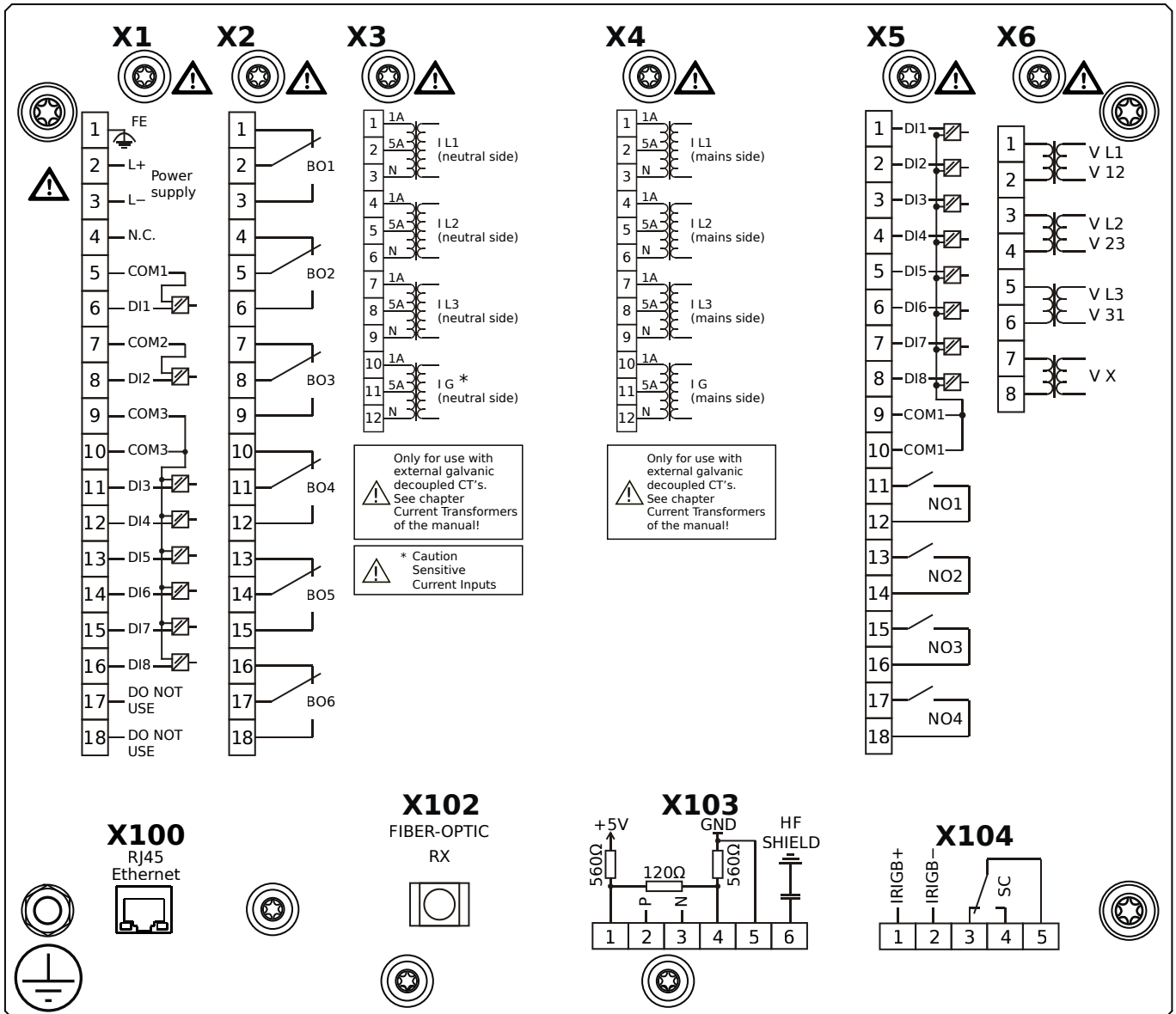
X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45

(BASE100-FX)

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

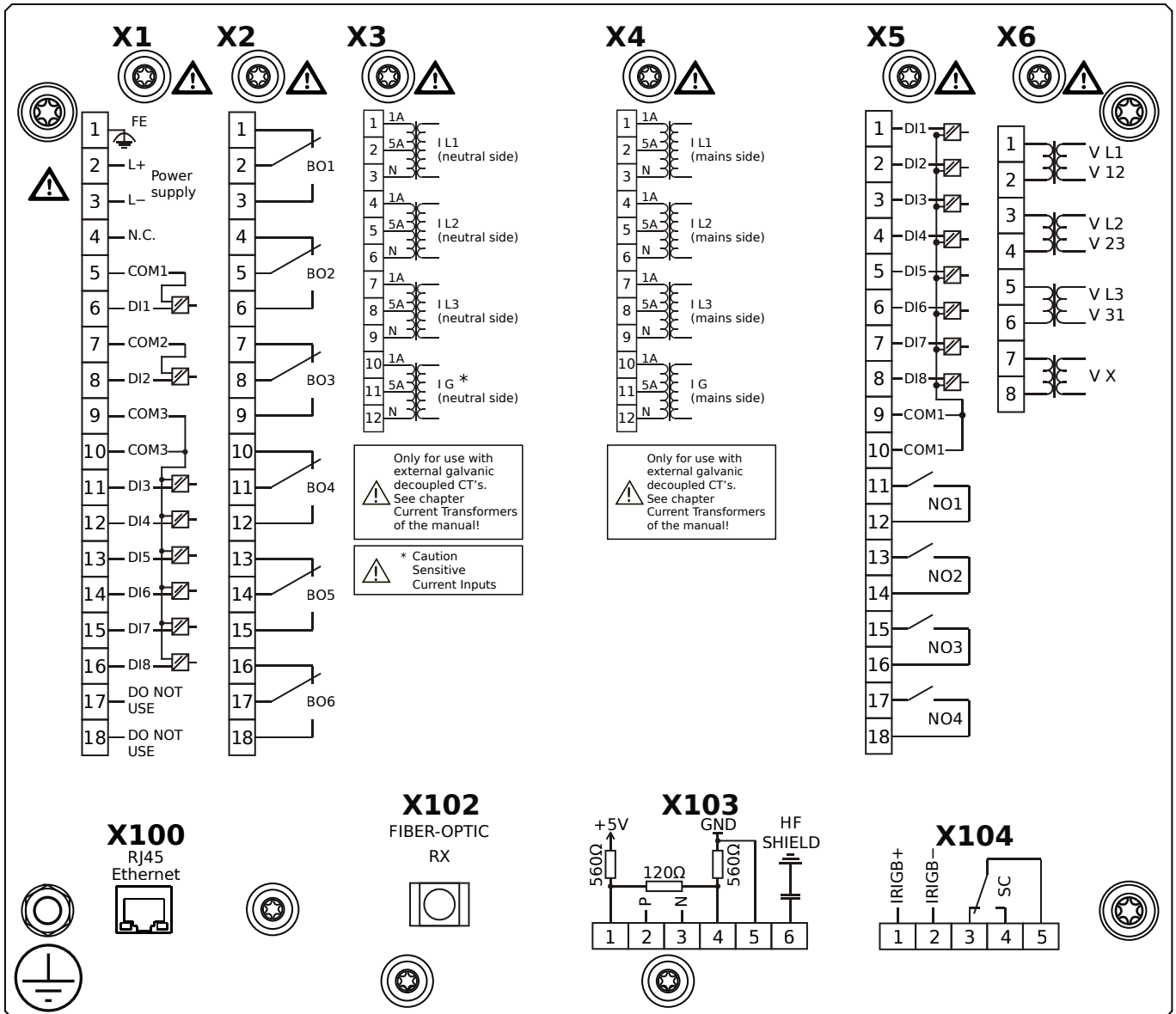
MCDGV4-2A1BTA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2A1BTB

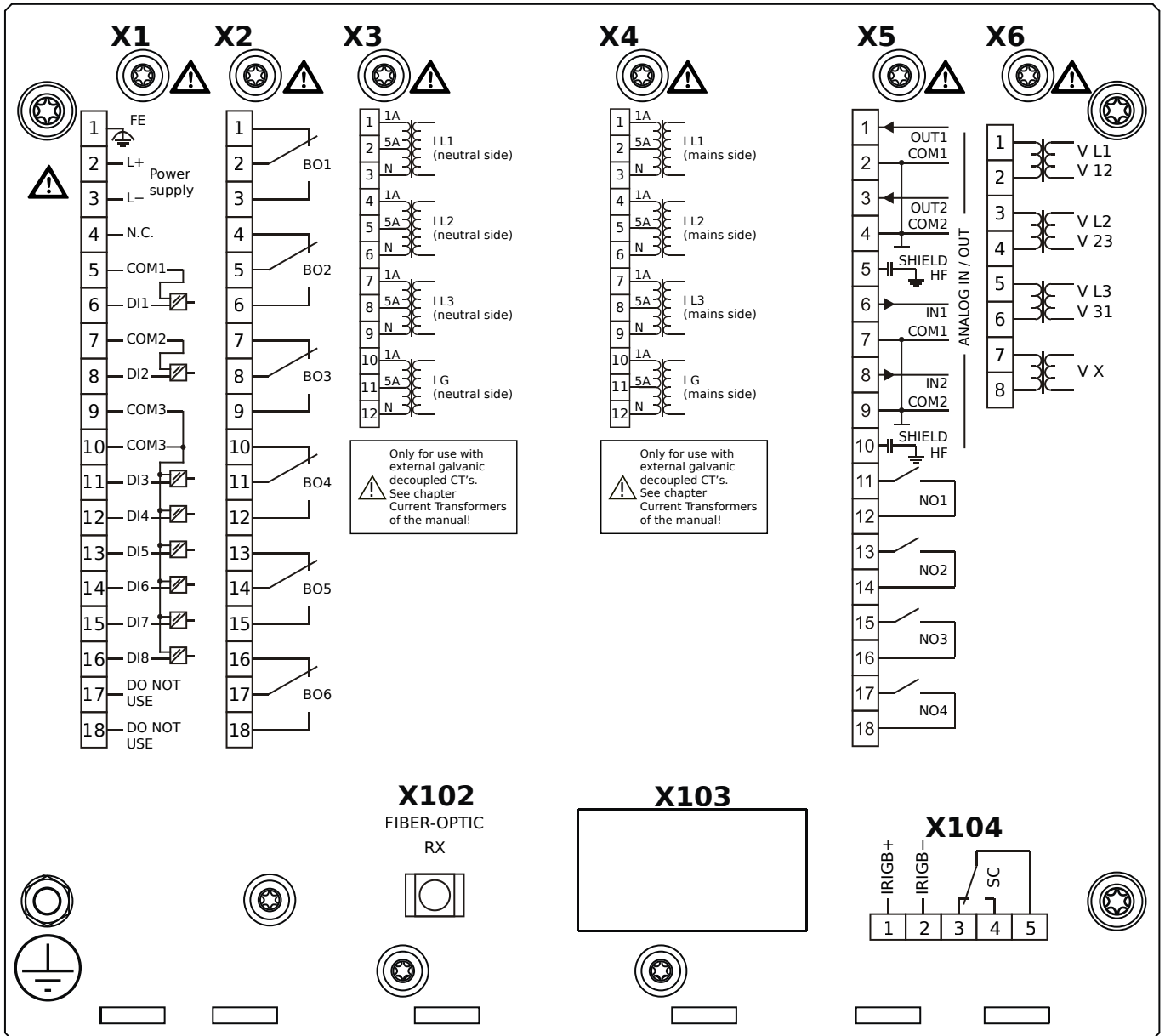


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

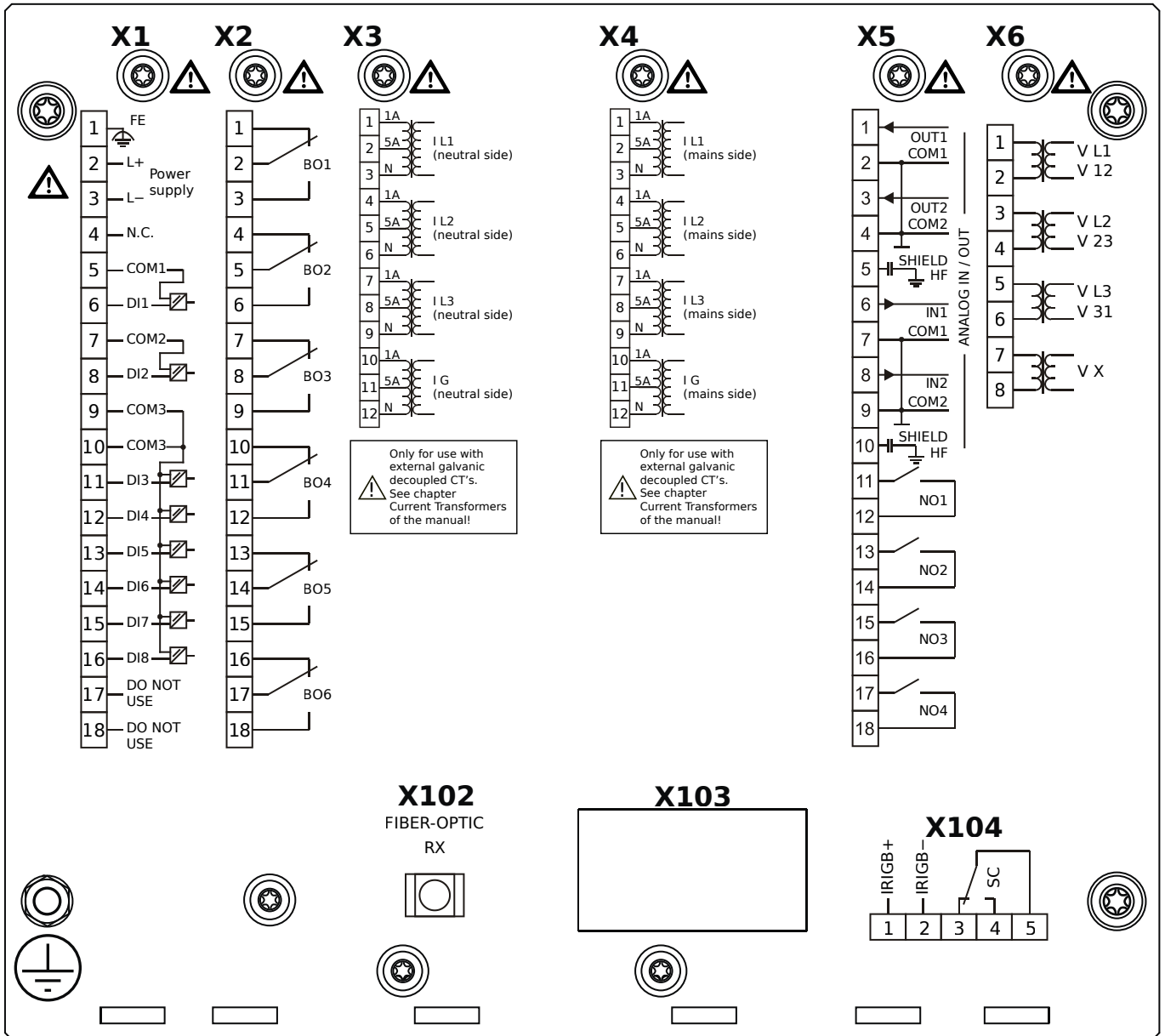
MCDGV4-2B0AAA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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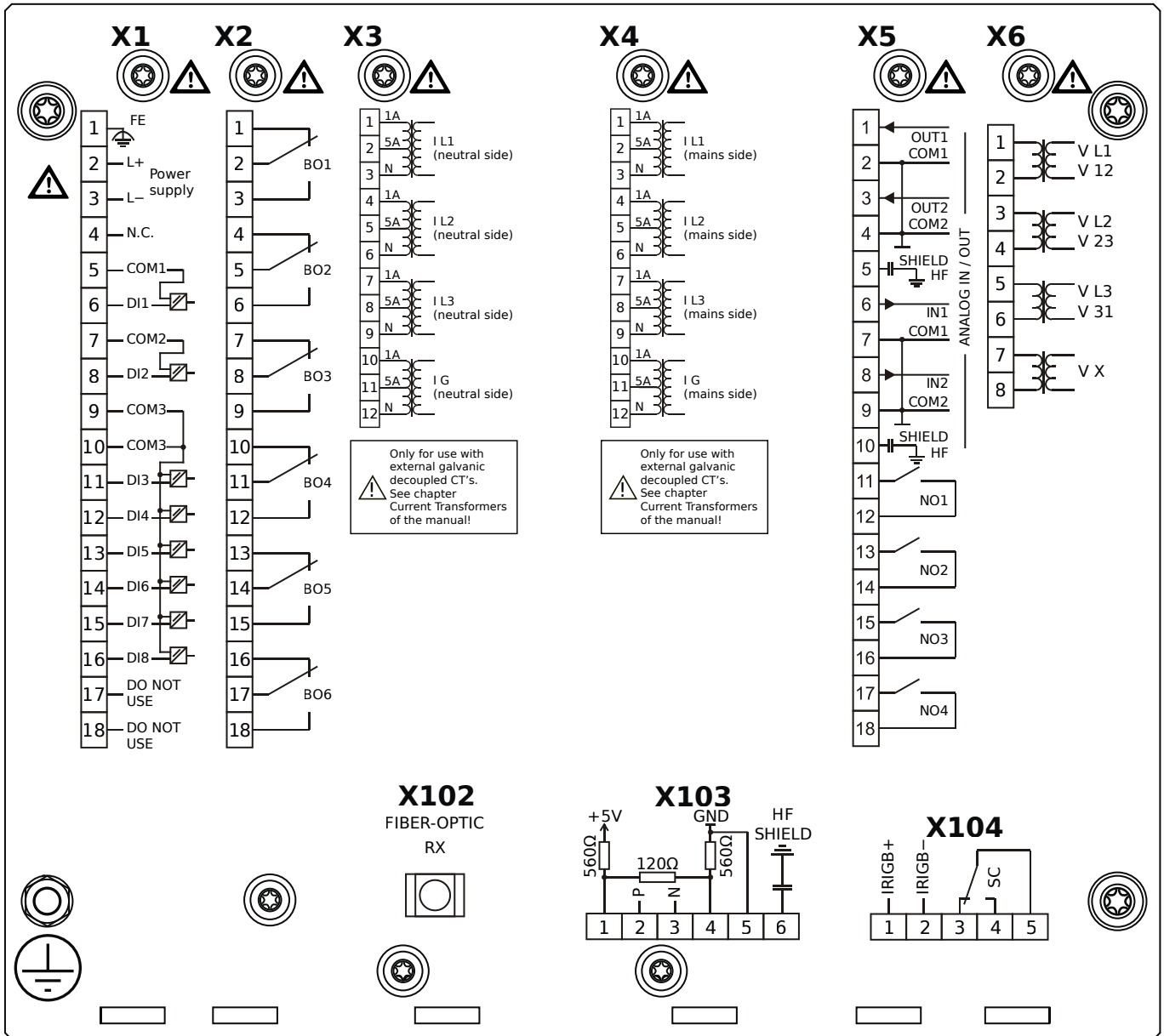


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

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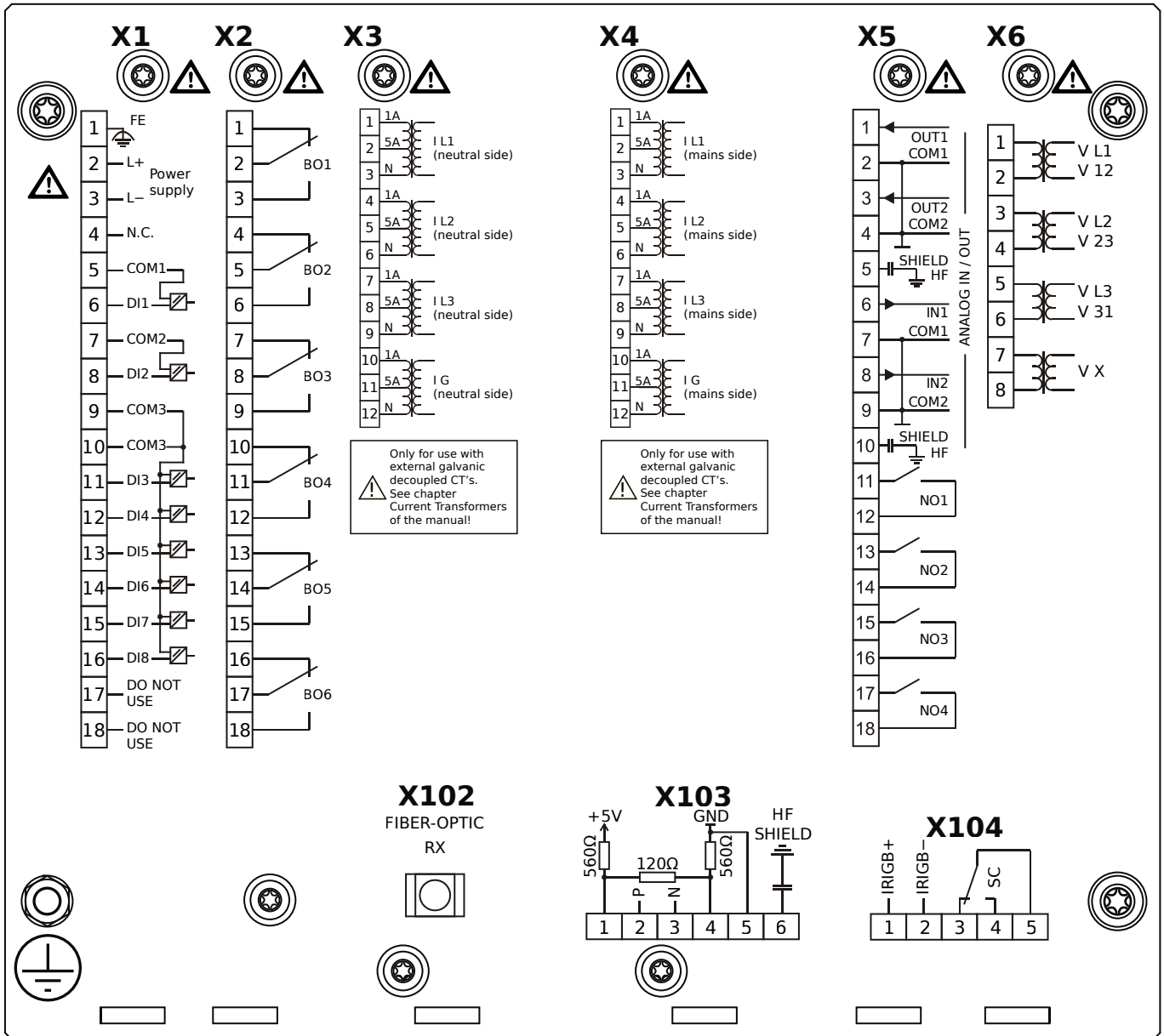
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Housing B2, large display, door mounting

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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B0ABB

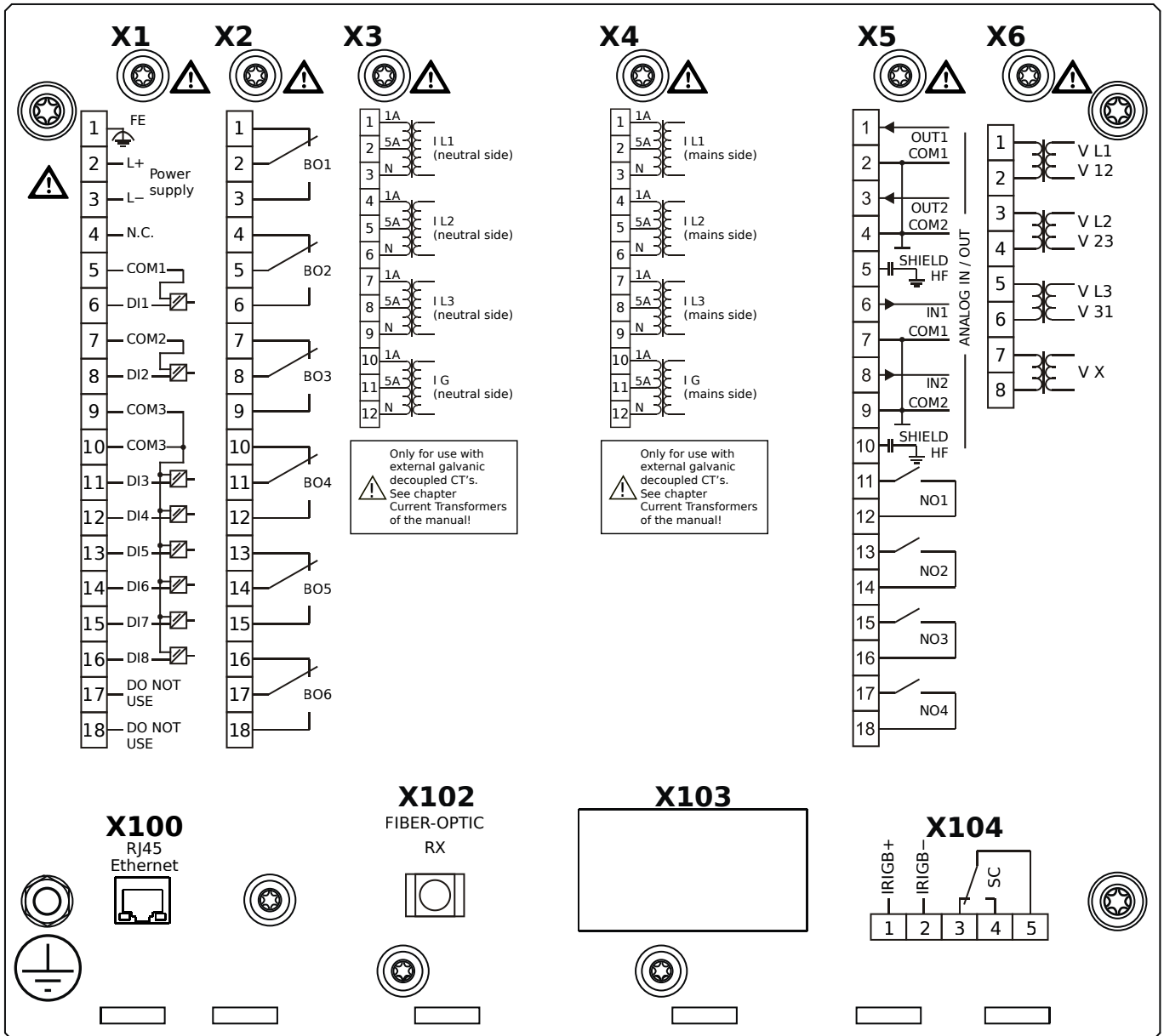


Housing B2, large display, door mounting

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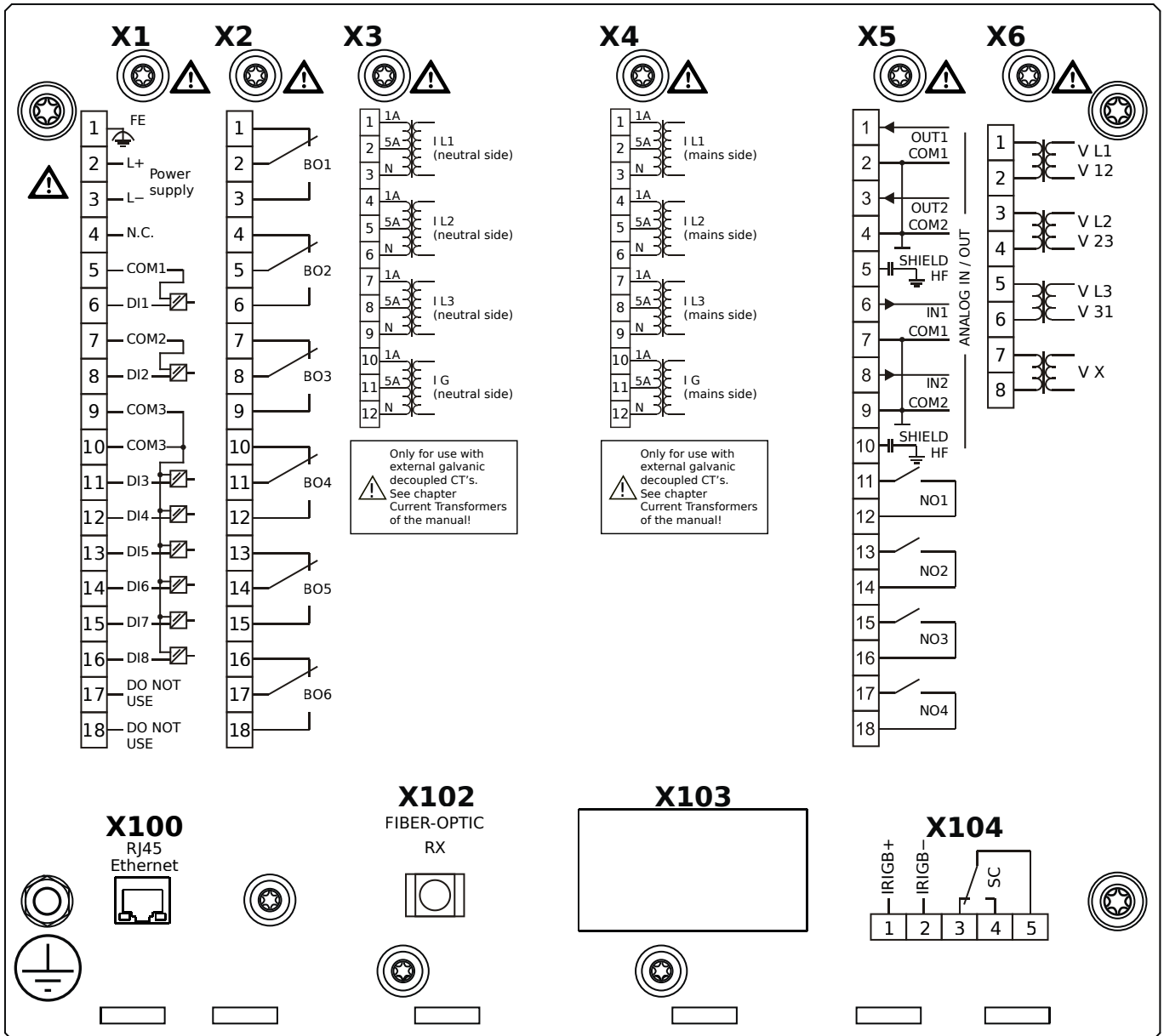
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Housing B2, large display, door mounting

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- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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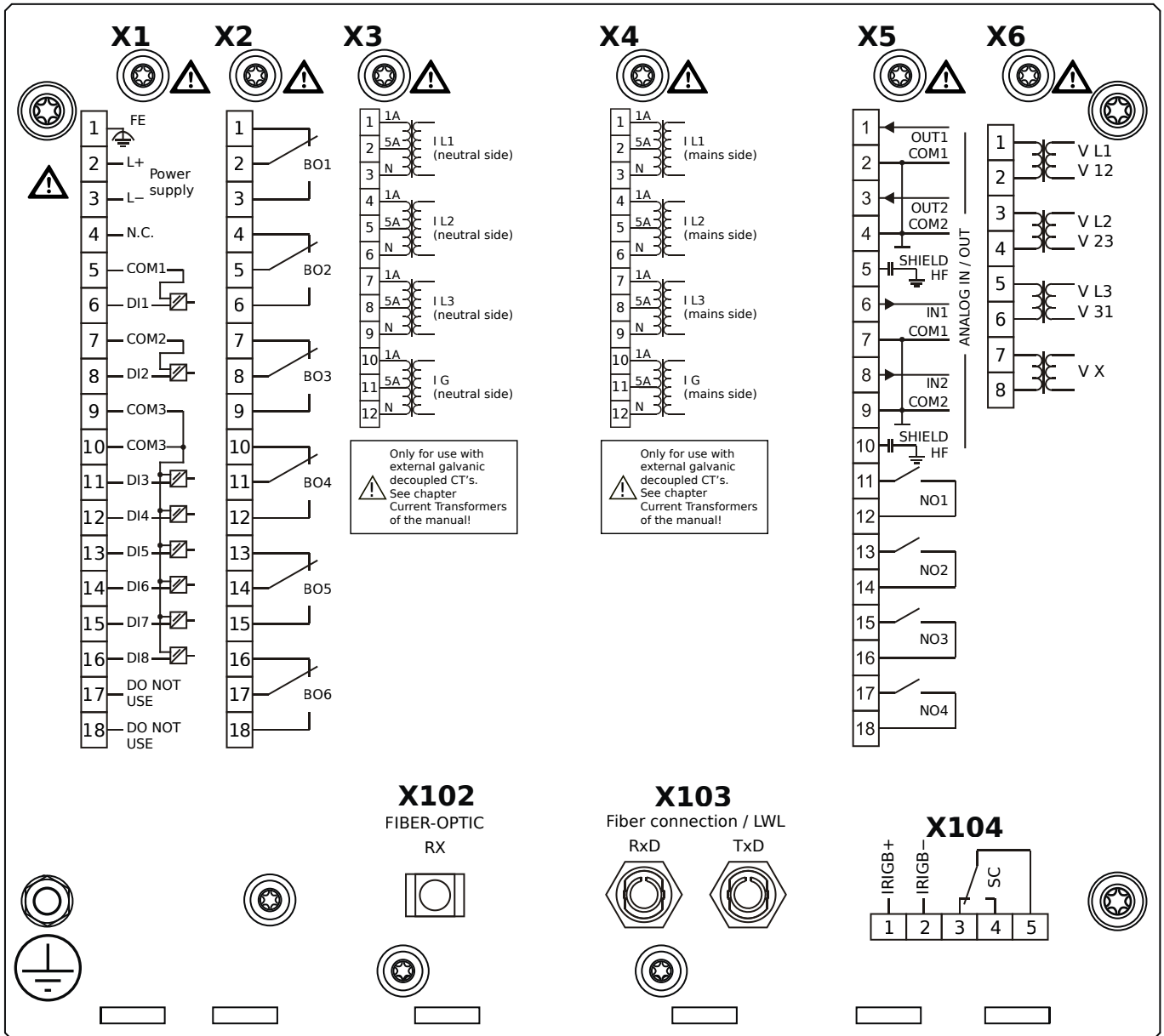


Housing B2, large display, door mounting

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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

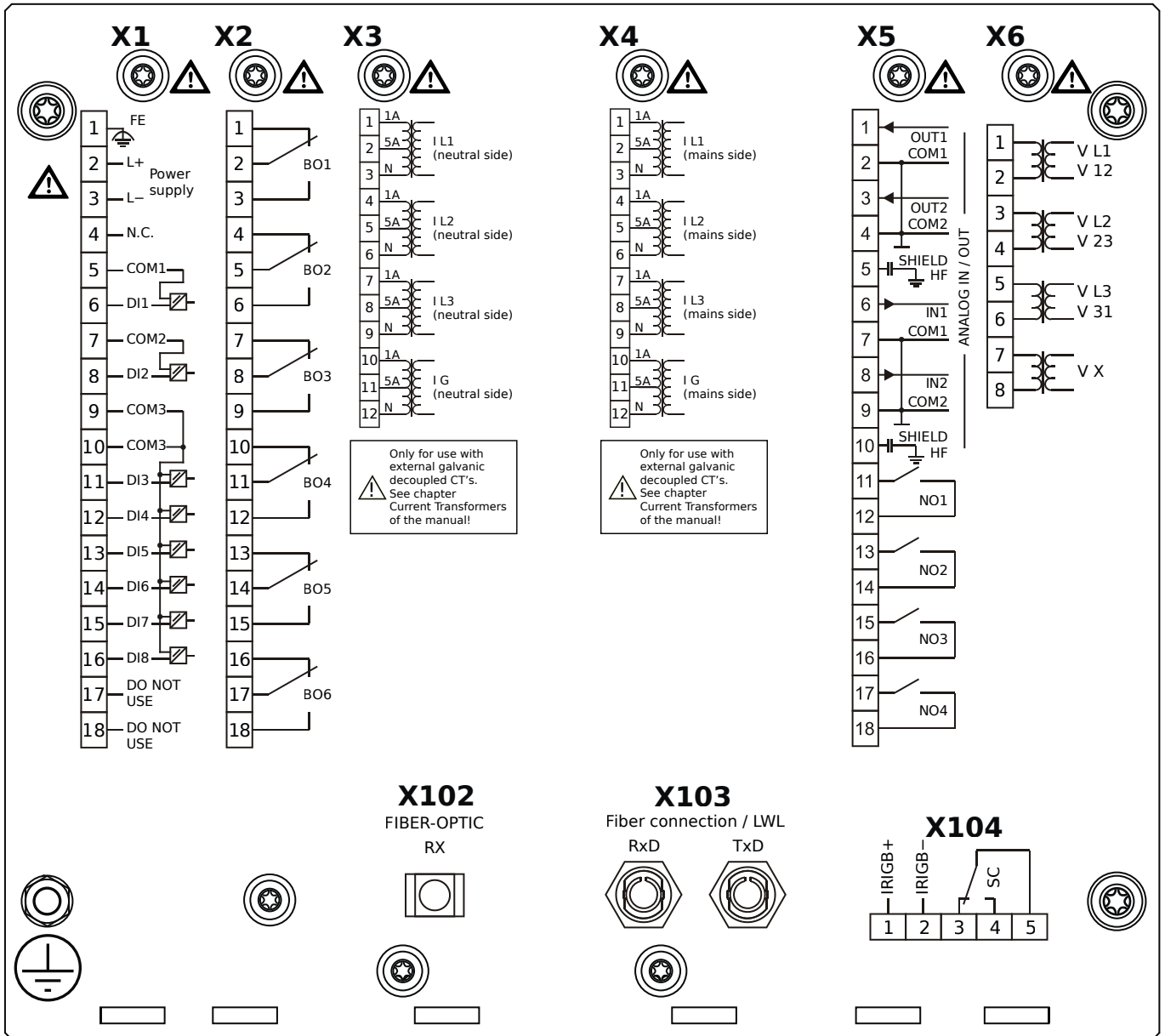
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Housing B2, large display, door mounting

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- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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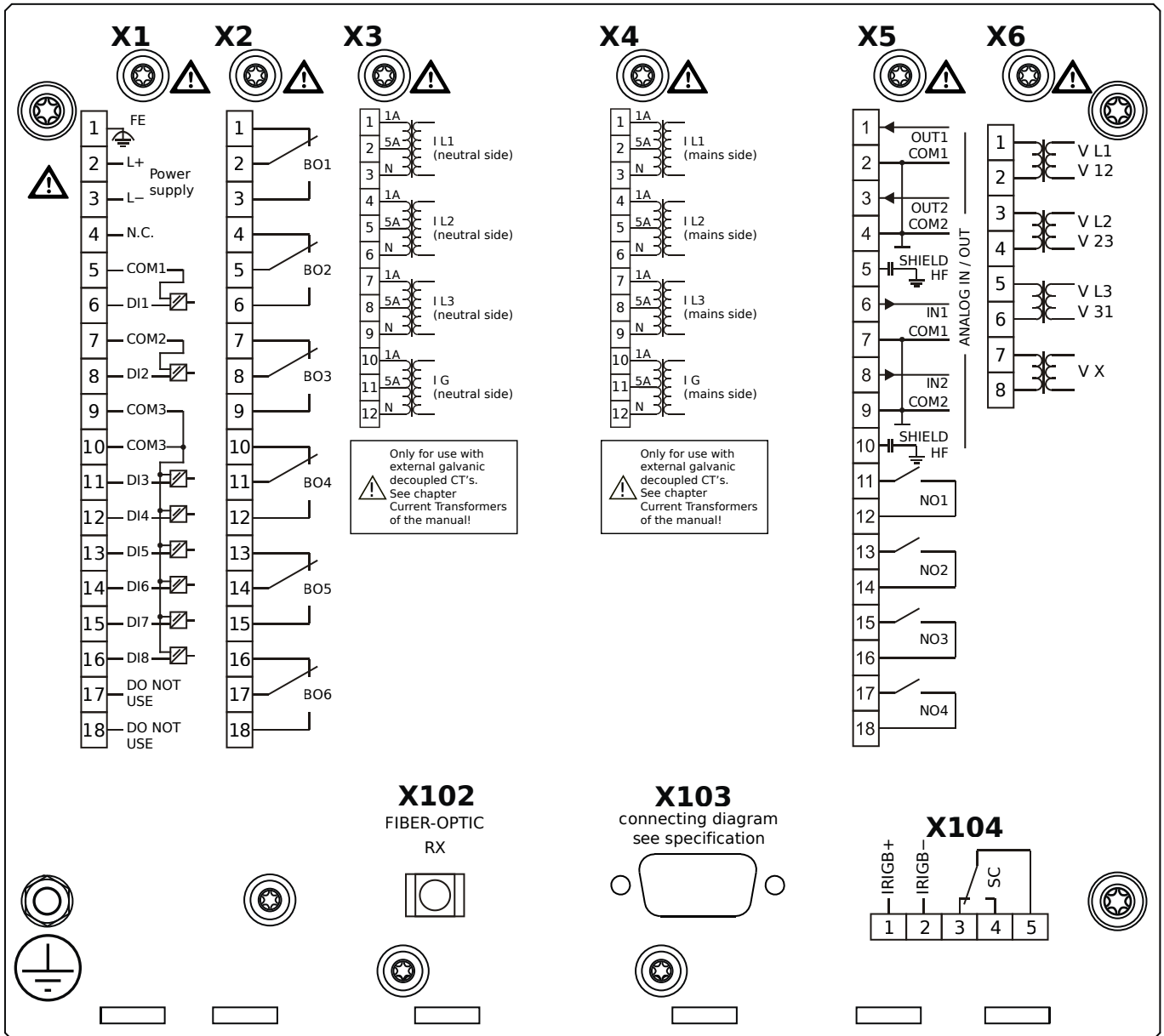


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

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- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

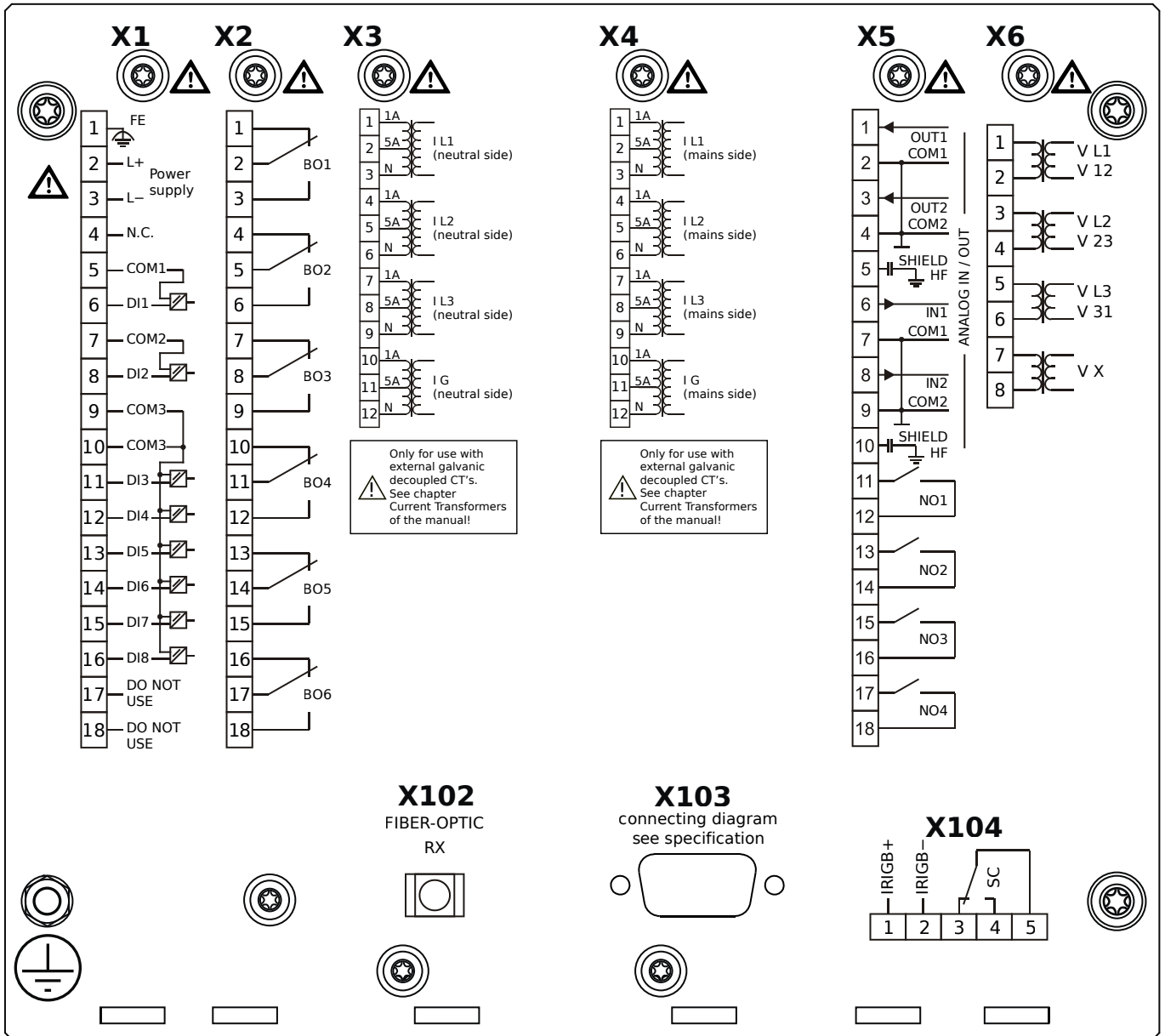
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Housing B2, large display, door mounting

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- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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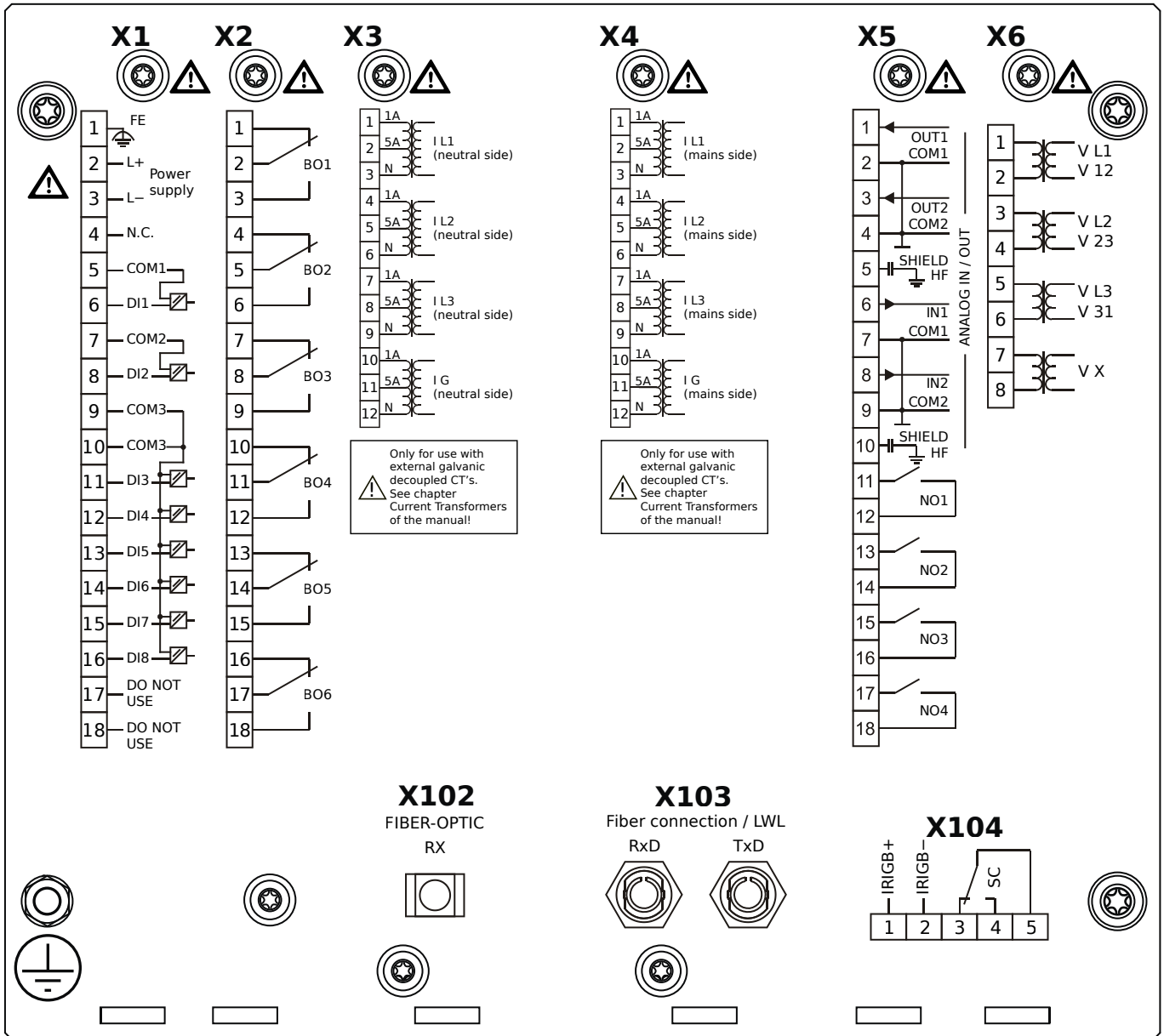


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

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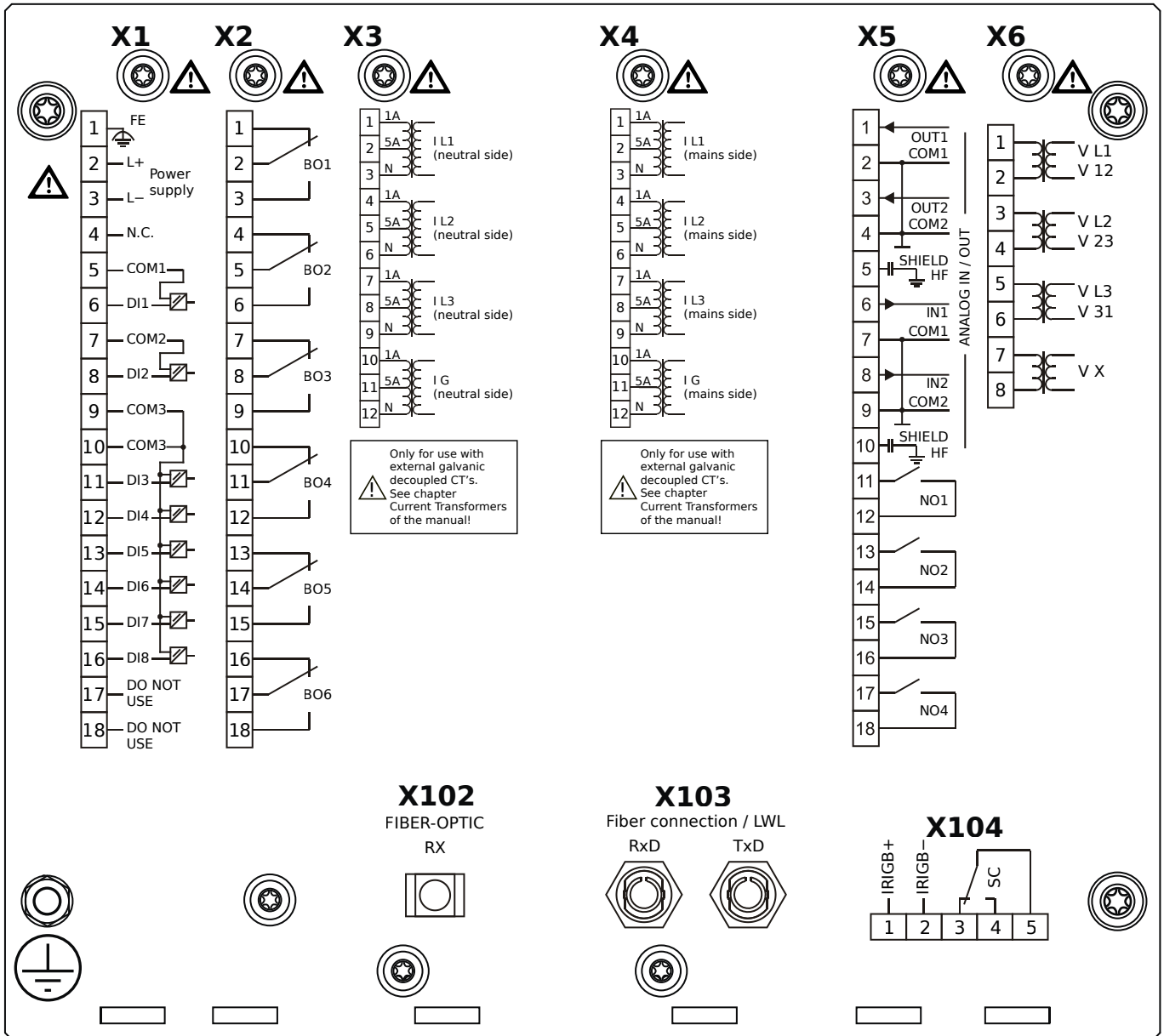
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Housing B2, large display, door mounting

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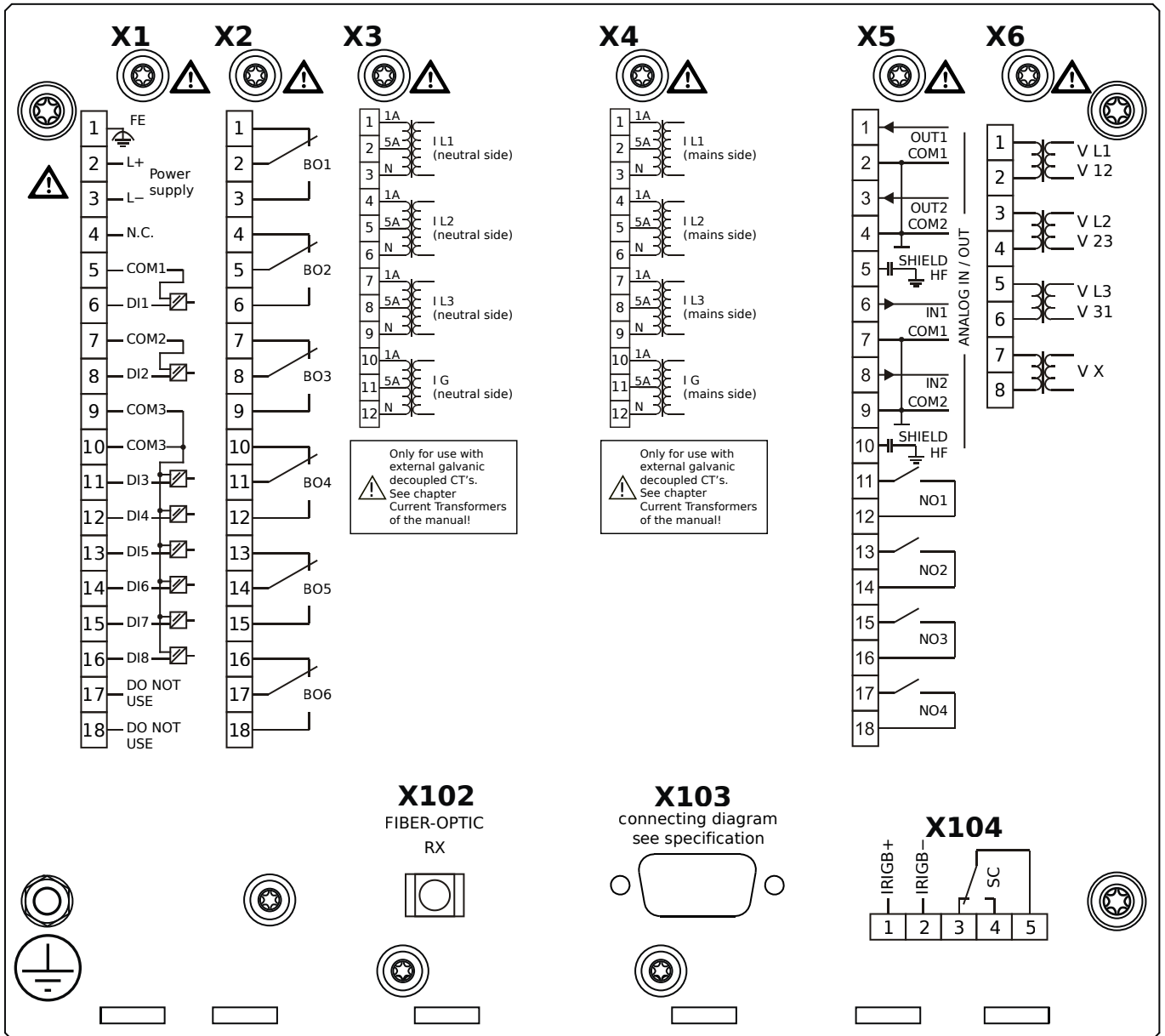


Housing B2, large display, door mounting

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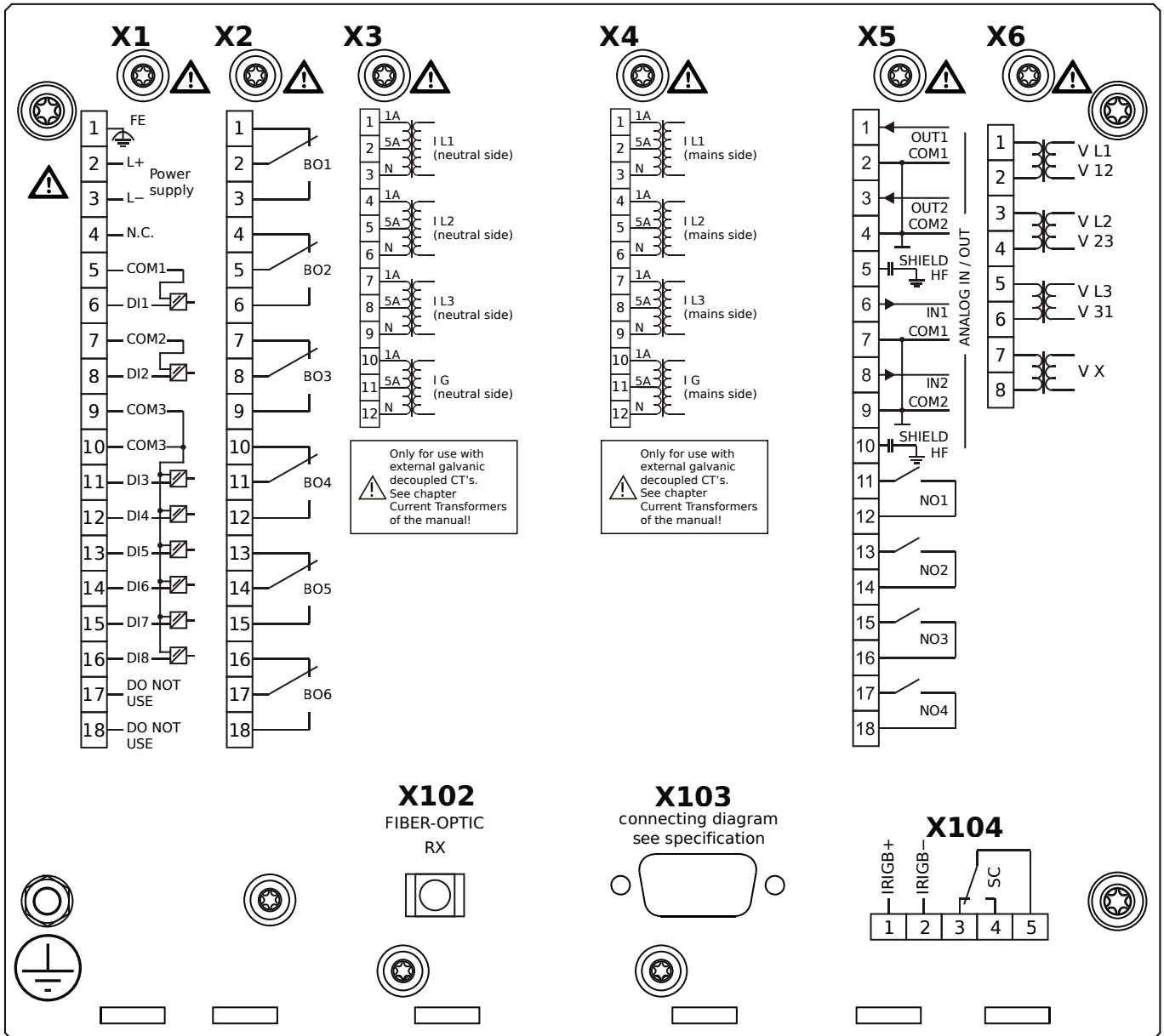
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Housing B2, large display, door mounting

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MCDGV4-2B0AGB

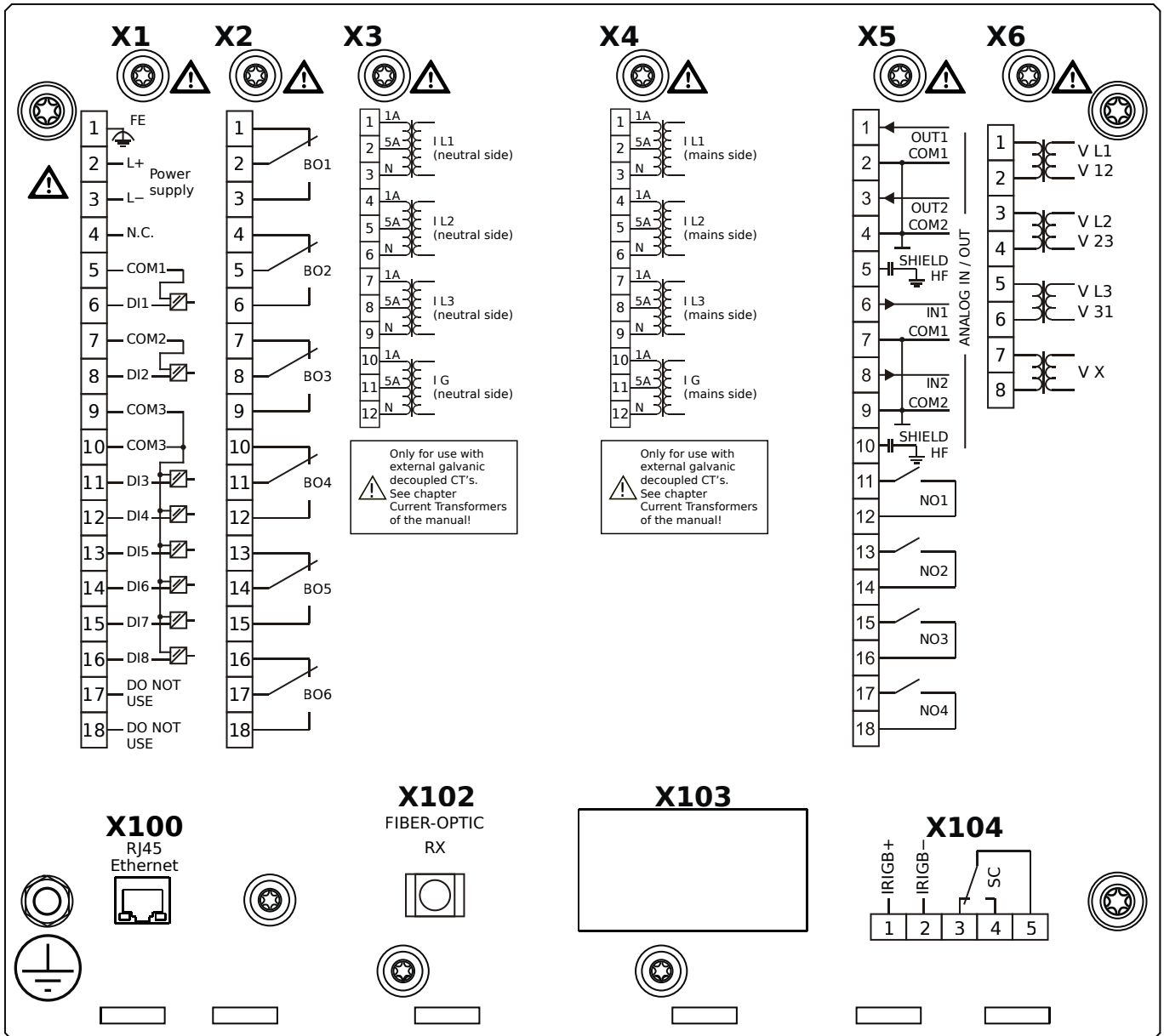


Housing B2, large display, door mounting

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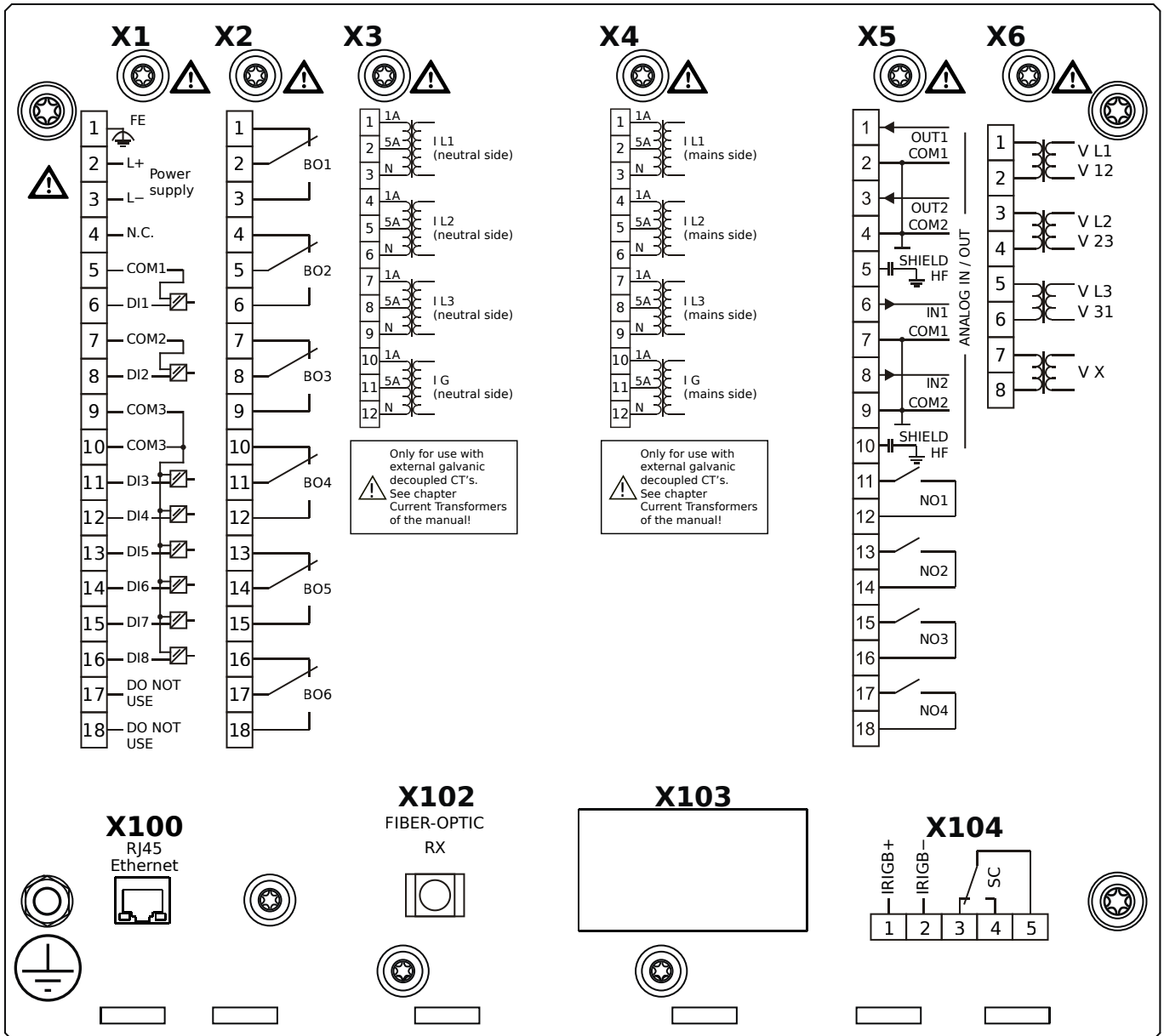
MCDGV4-2B0AHA



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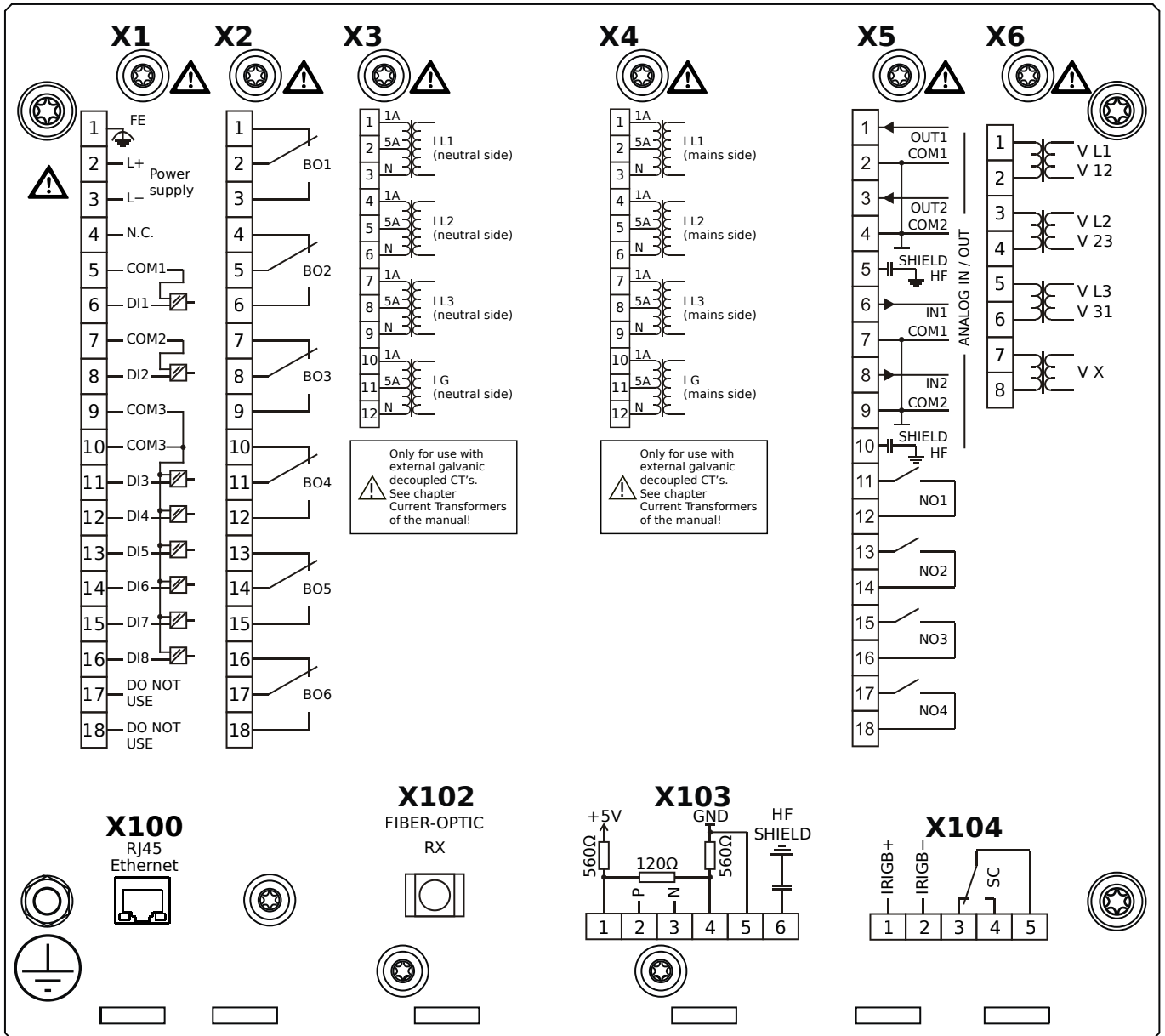


Housing B2, large display, door mounting

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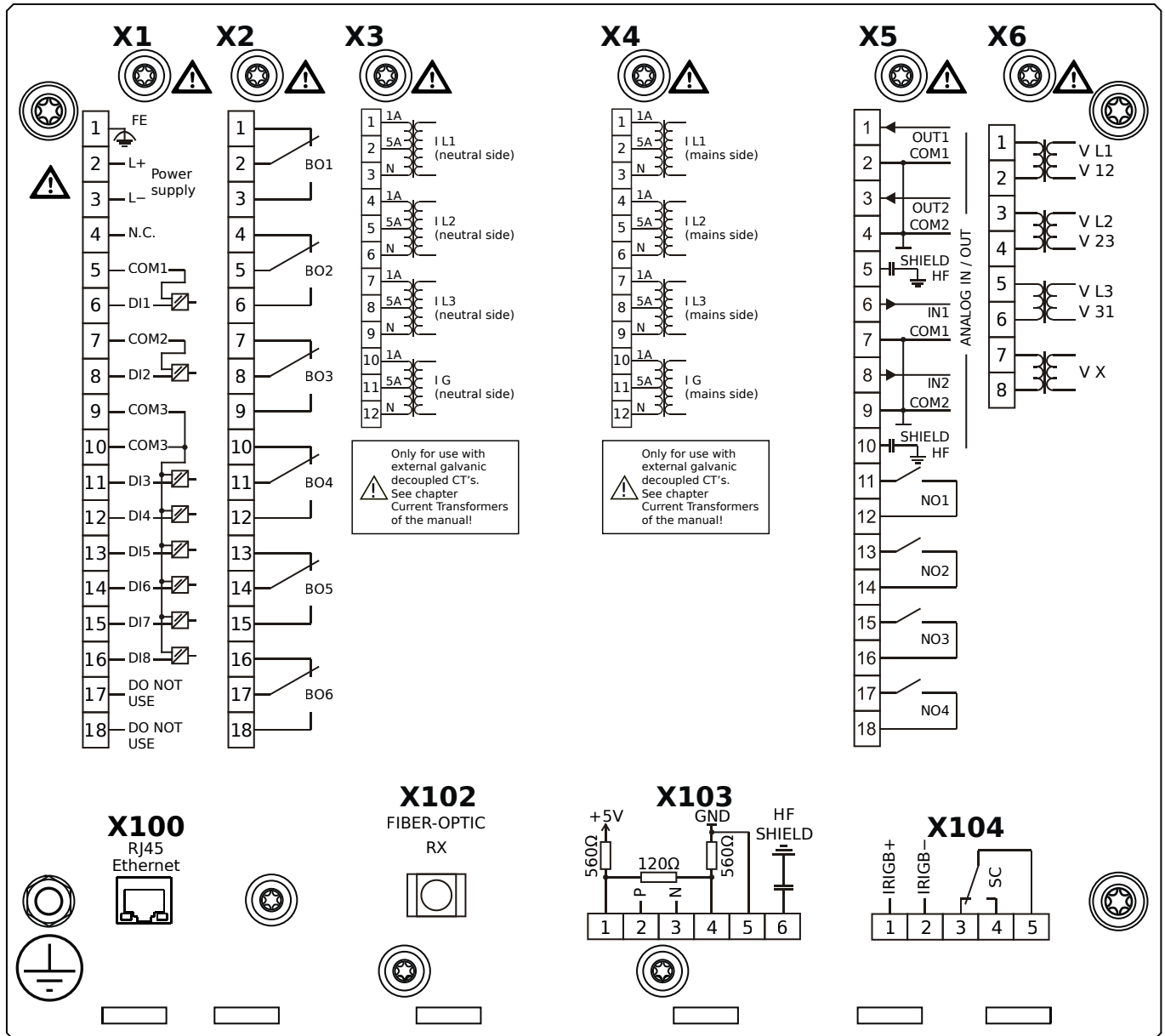
MCDGV4-2B0AIA



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MCDGV4-2B0AIB

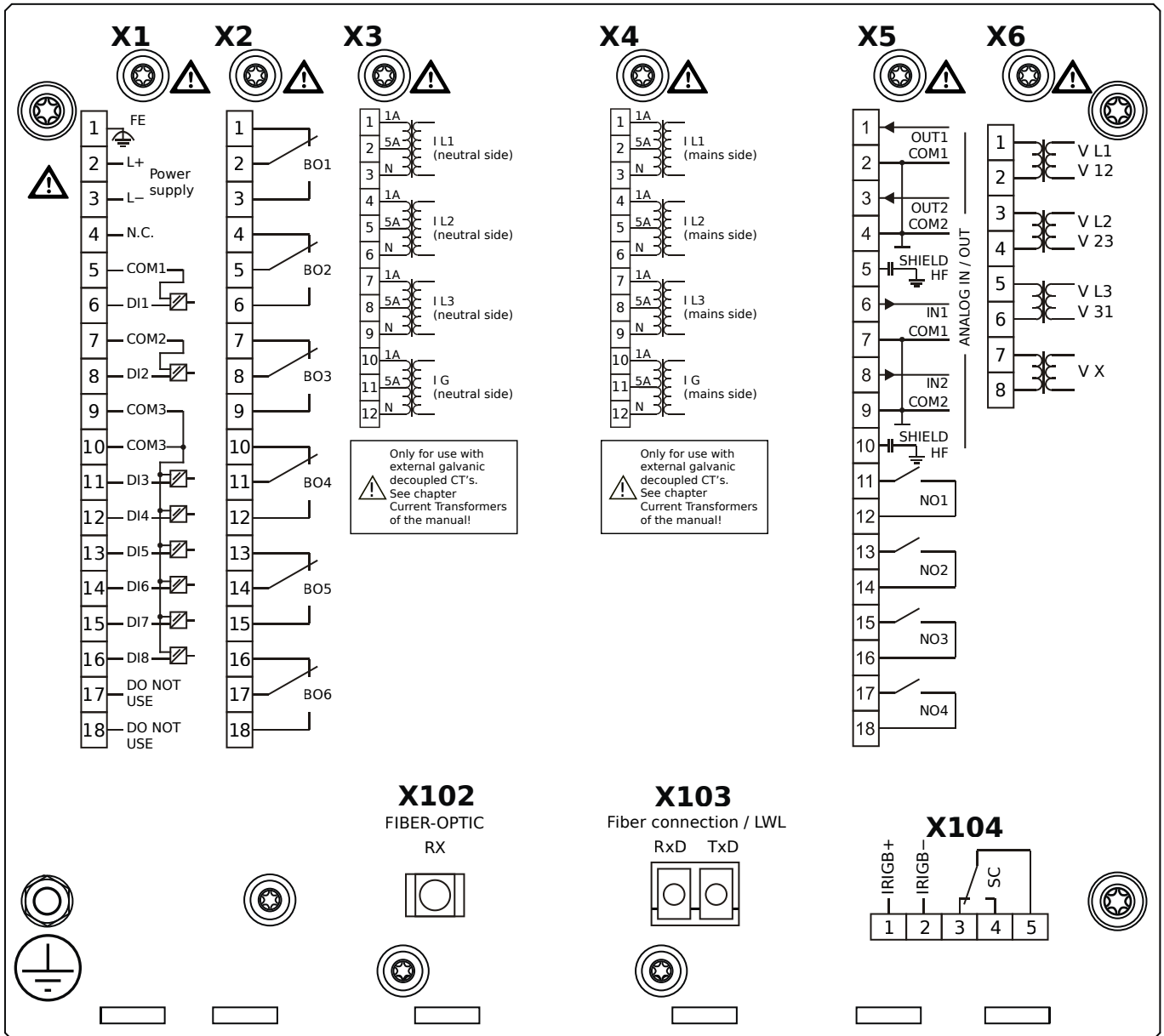


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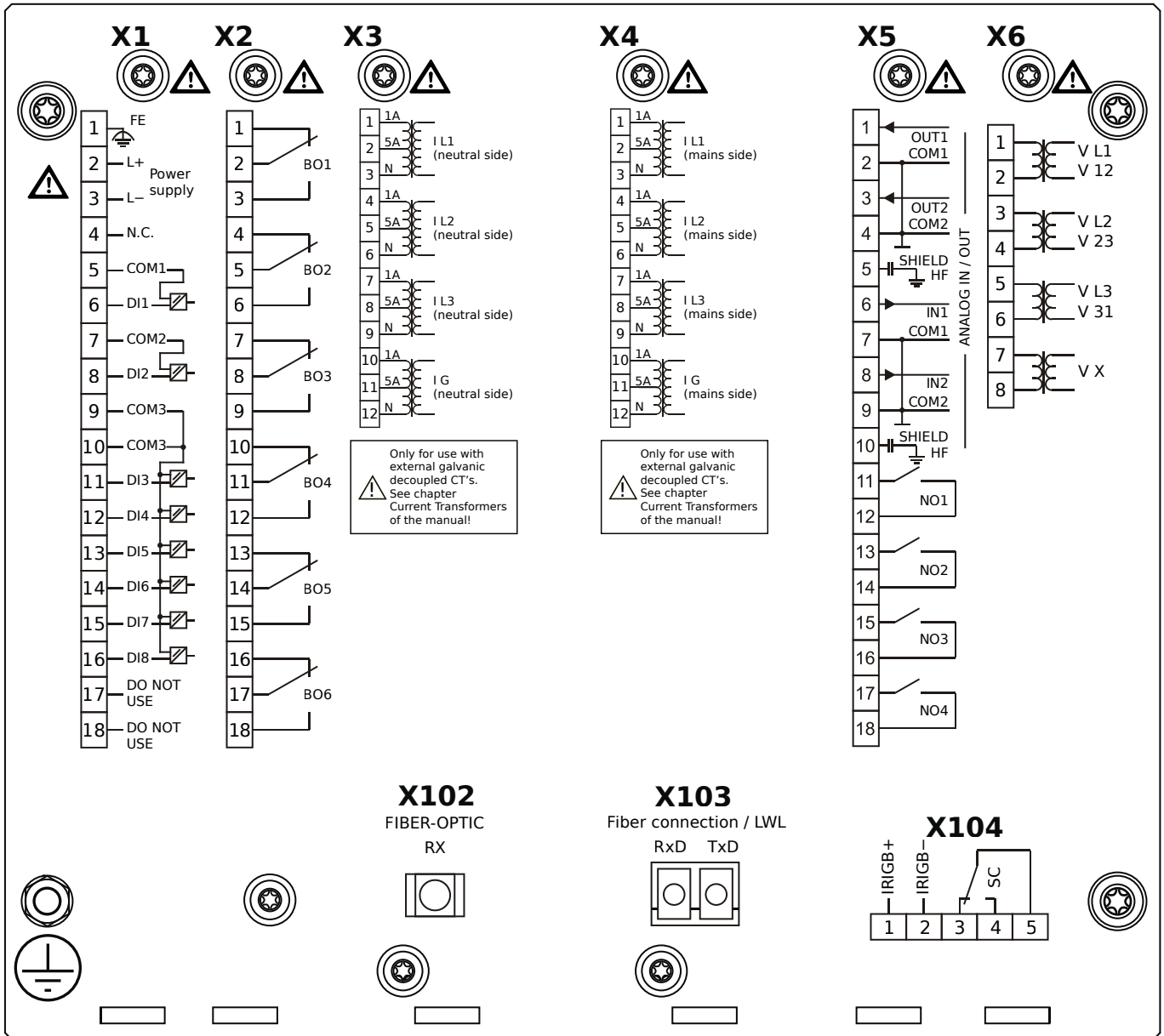
MCDGV4-2B0AKA



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MCDGV4-2B0AKB

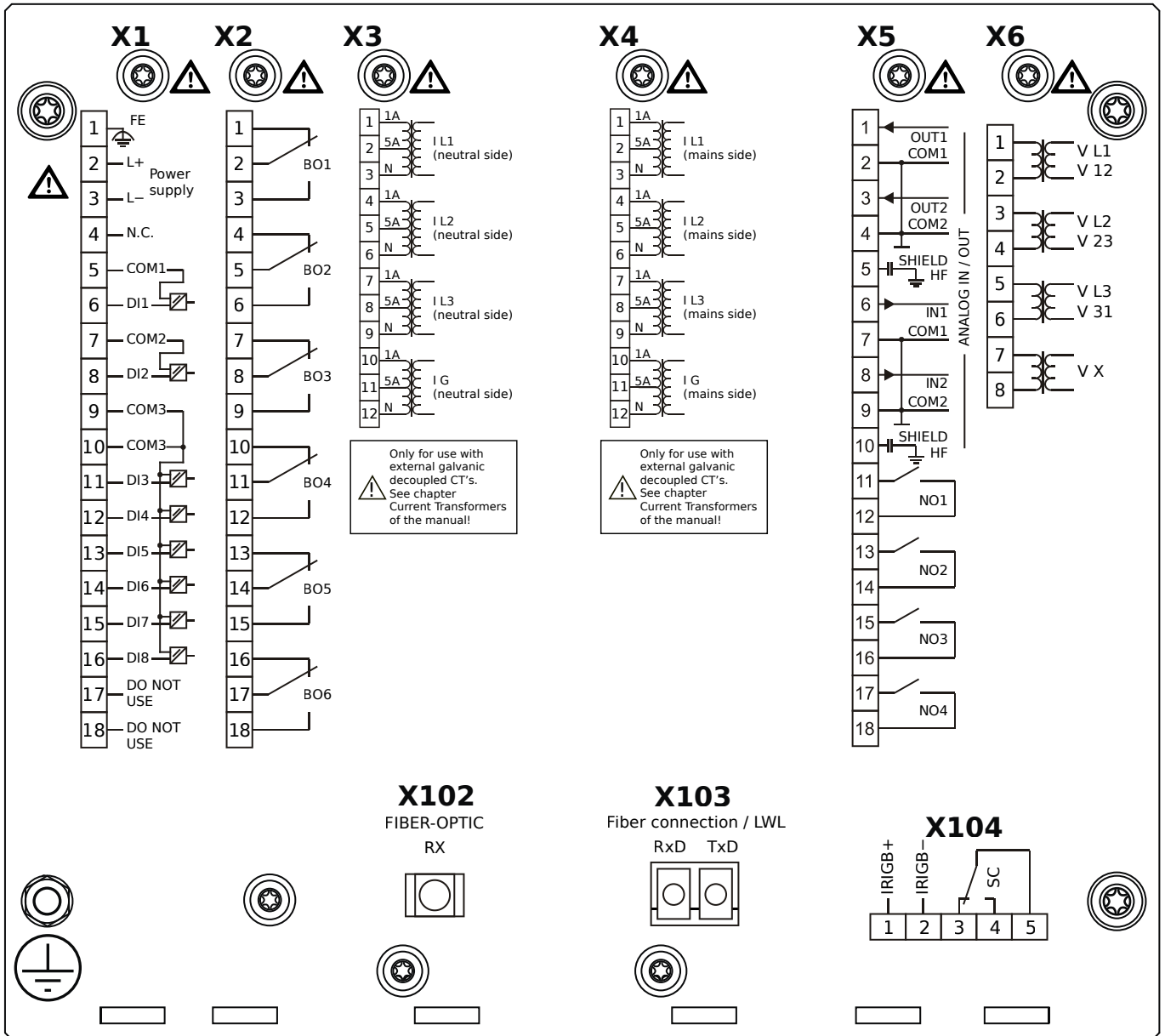


Housing B2, large display, door mounting

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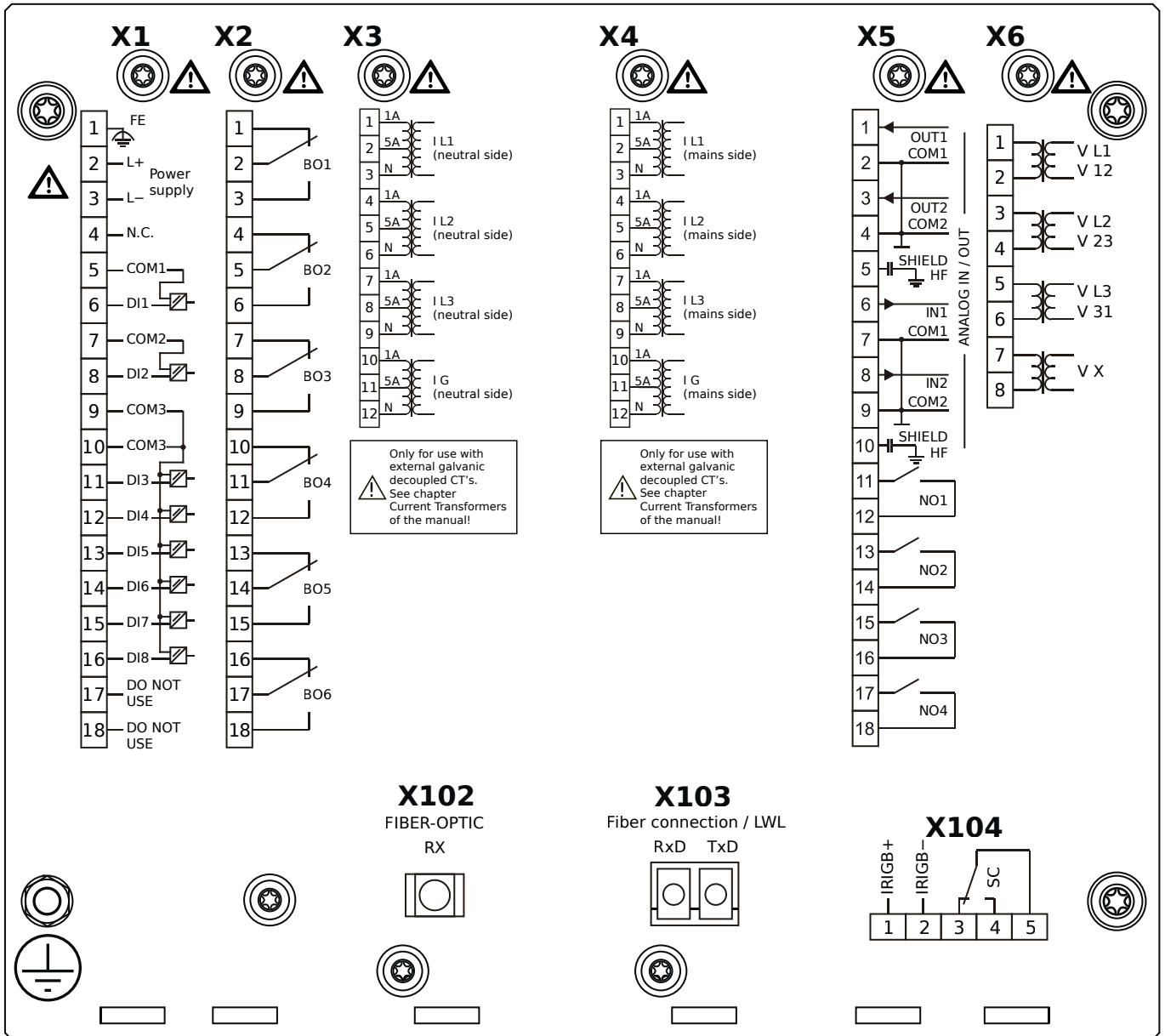
MCDGV4-2B0ALA



Housing B2, large display, door mounting

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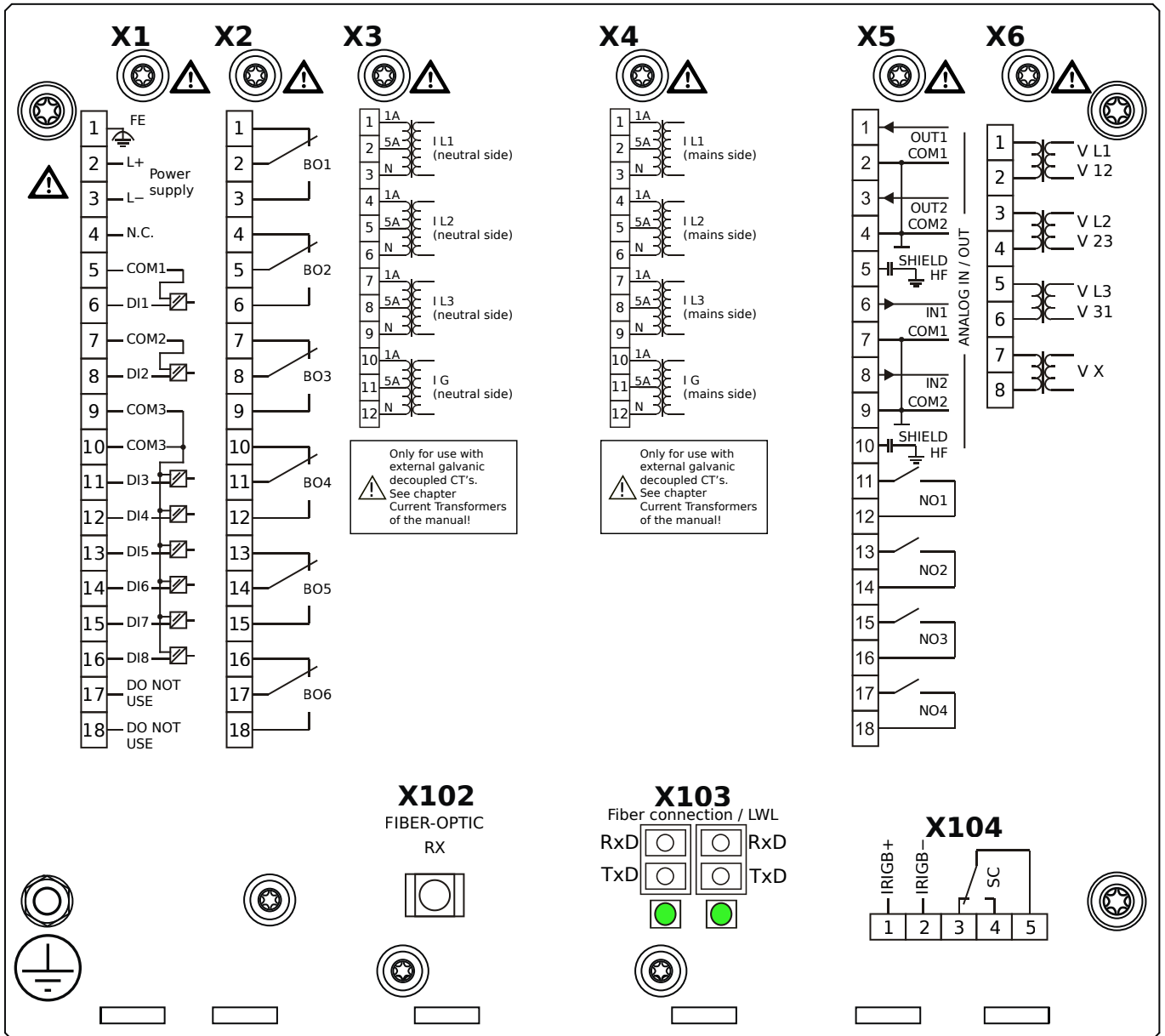


Housing B2, large display, door mounting

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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

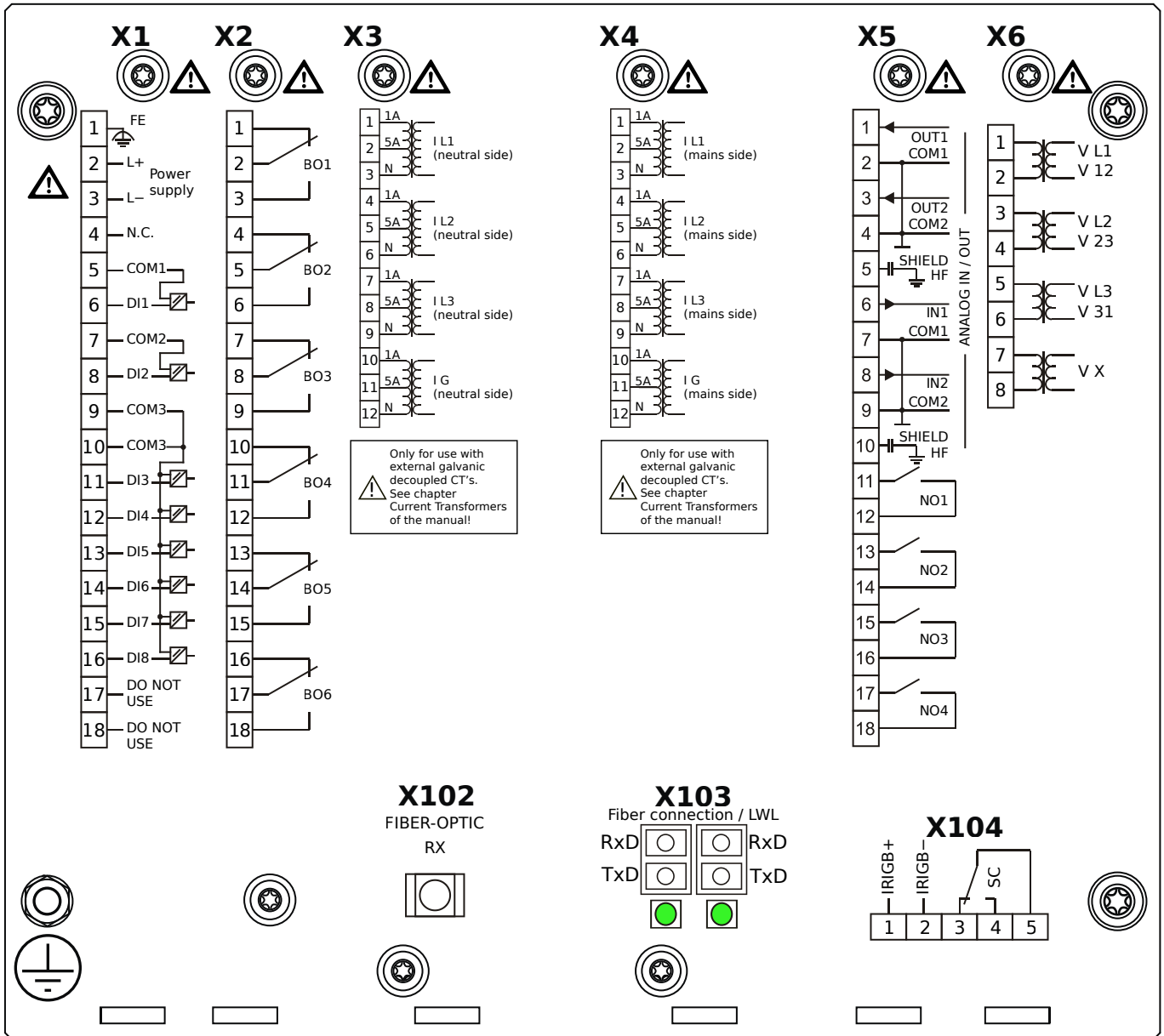
MCDGV4-2B0AOA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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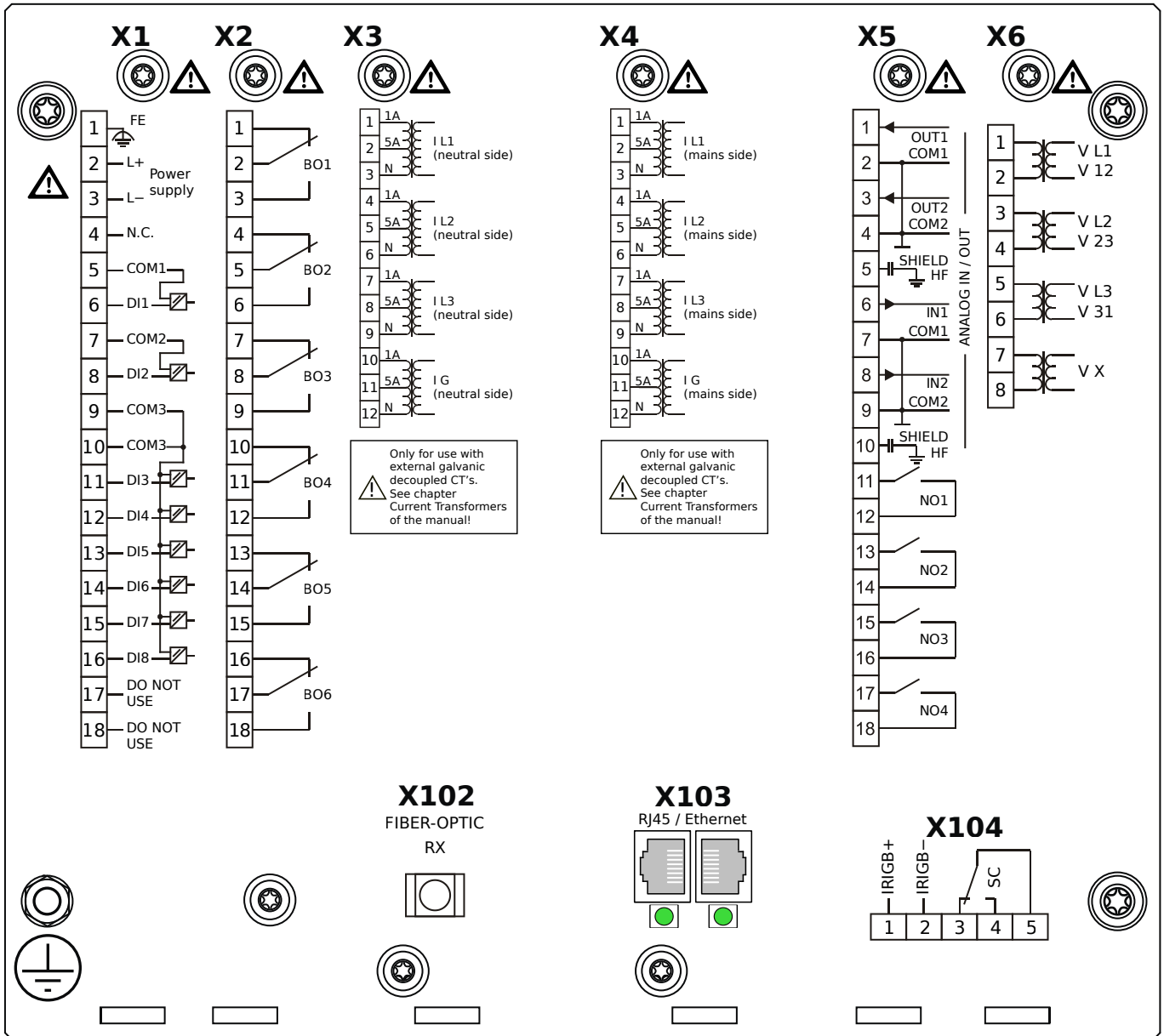


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
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- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

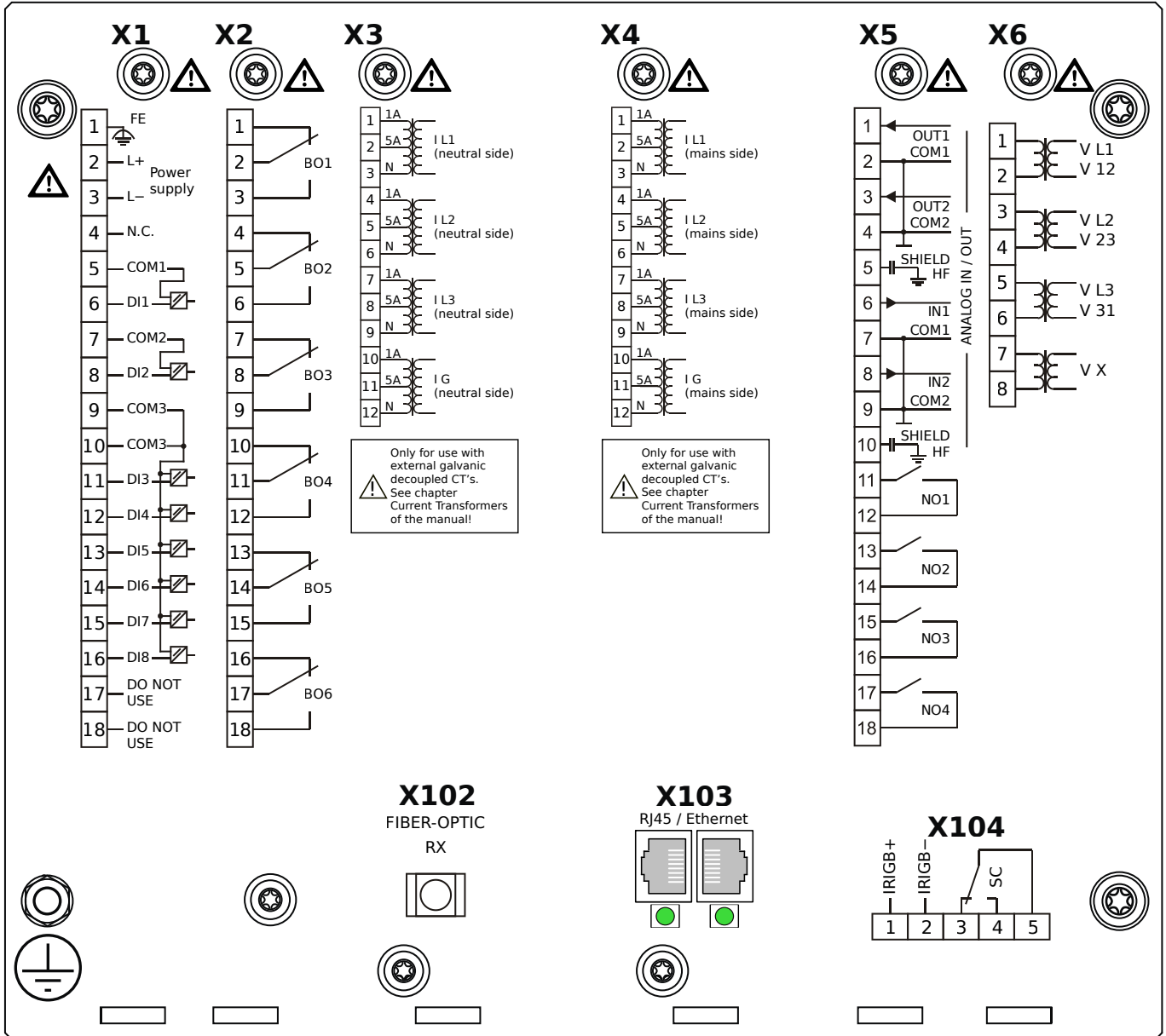
MCDGV4-2B0APA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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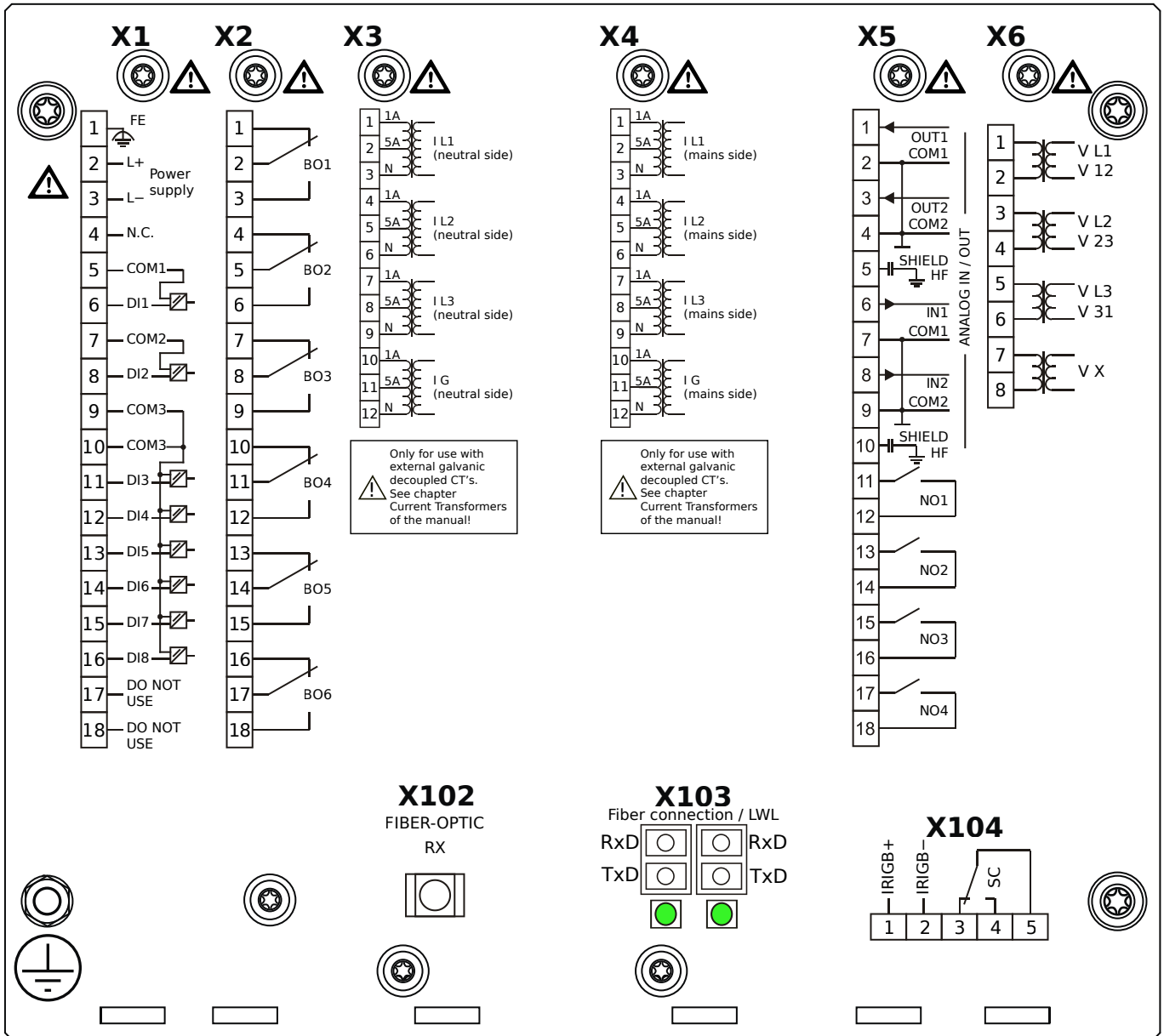


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

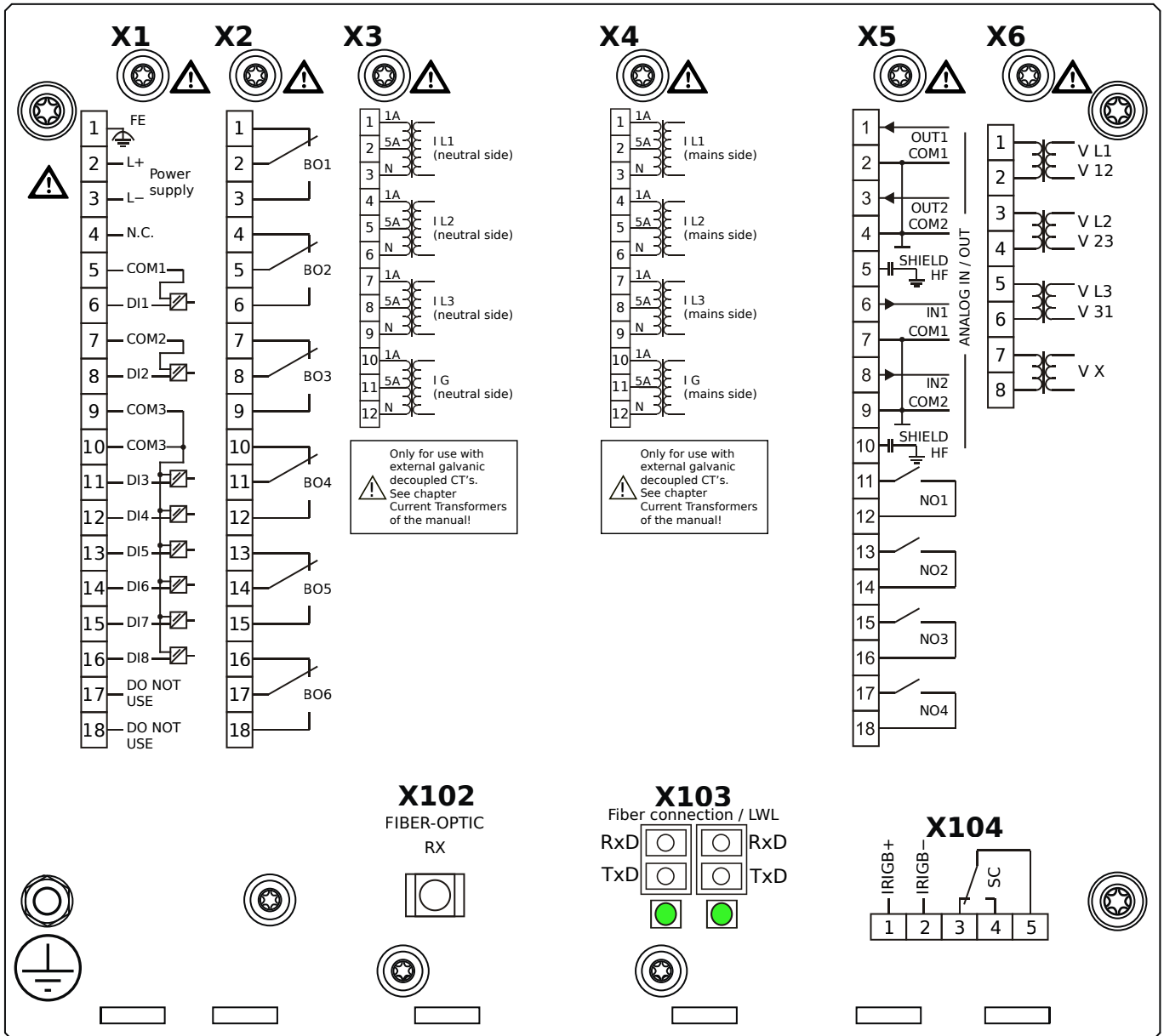
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Housing B2, large display, door mounting

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- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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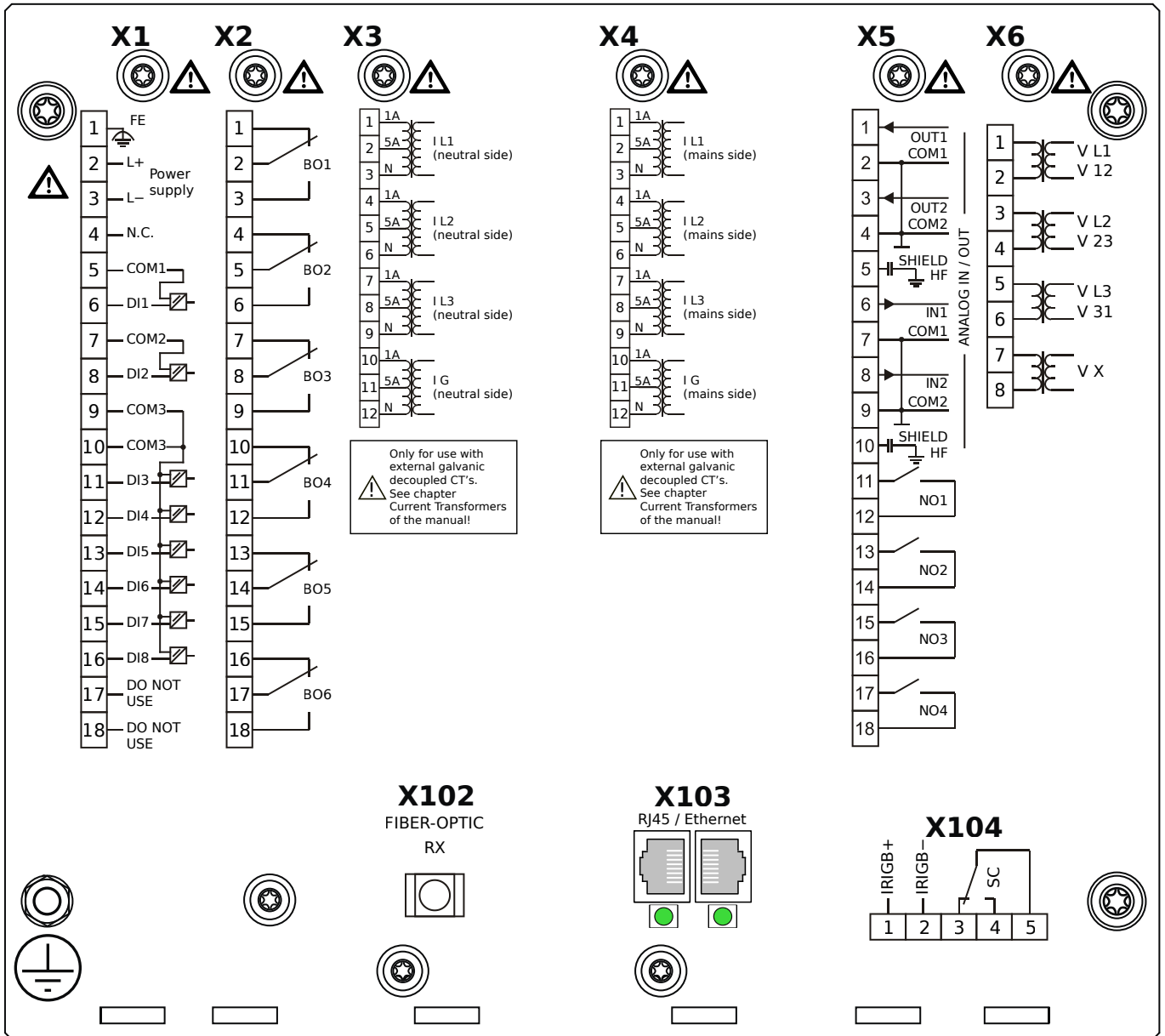


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

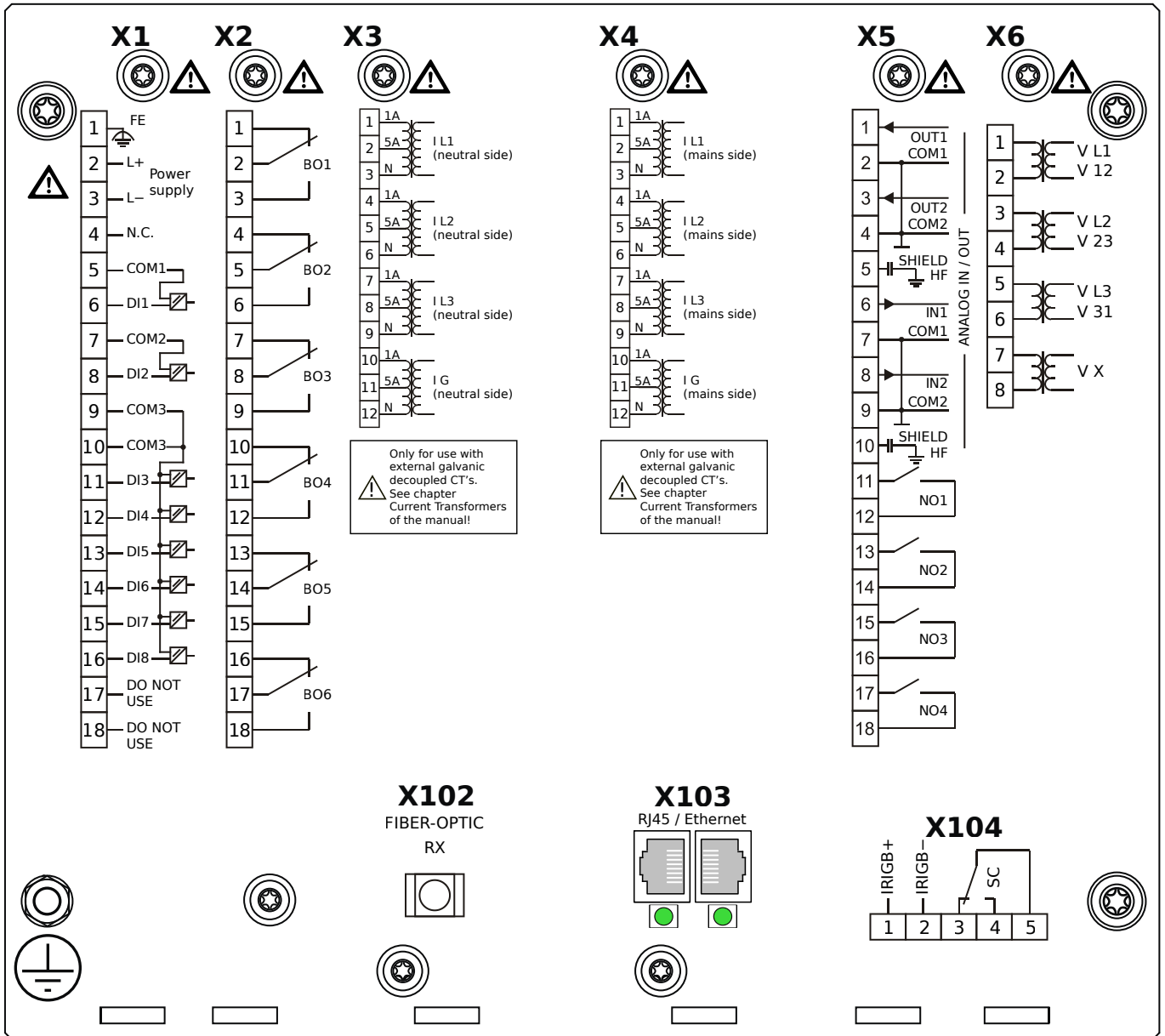
MCDGV4-2B0ARA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B0ARB



Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TI: Standard current measuring card (for the neutral side of the differential protection)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays

X6 – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)

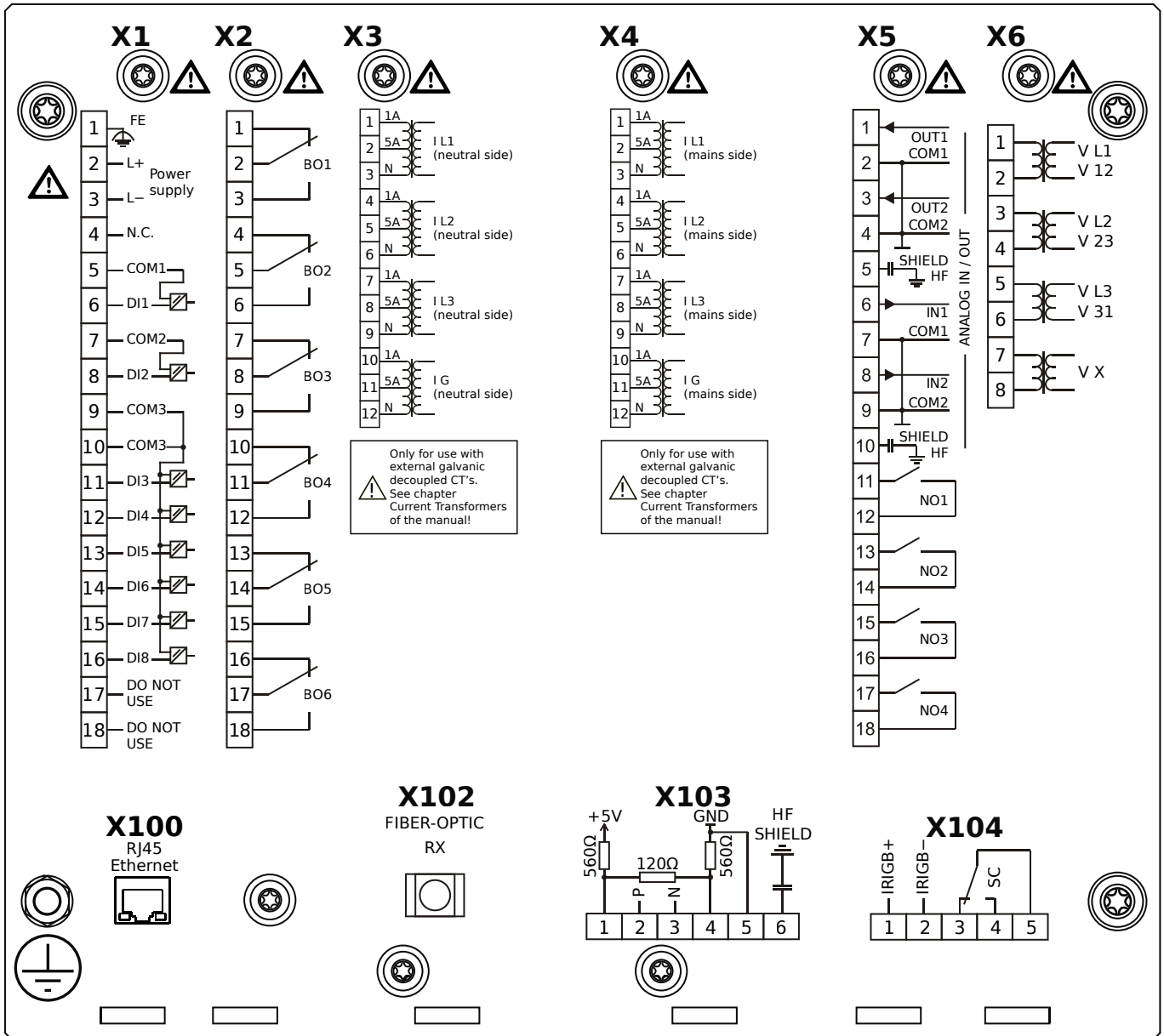
X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45

(BASE100-FX)

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

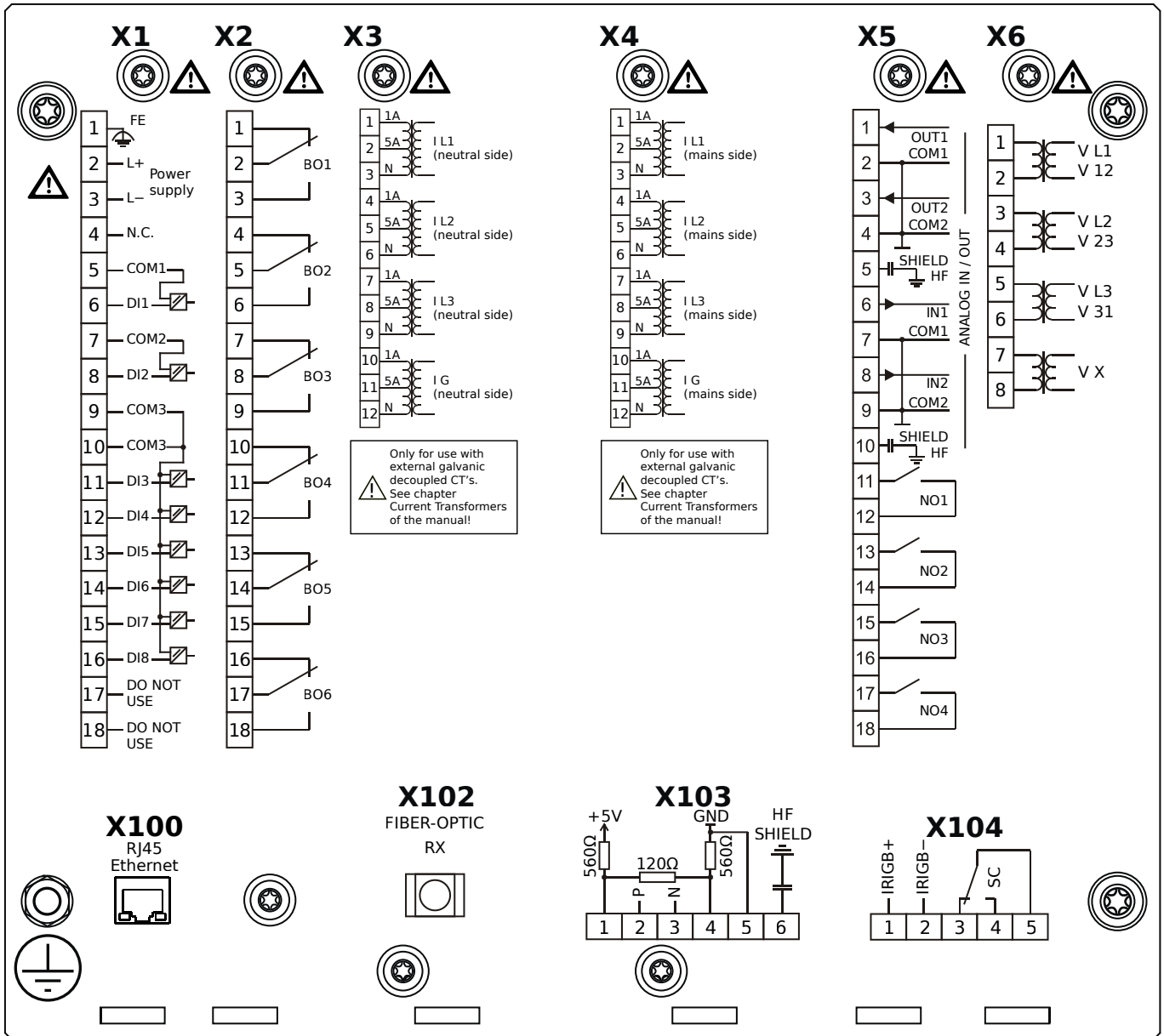
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Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IIRIG-B00X, incl. System Contact (Supervision Contact)

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Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TI: Standard current measuring card (for the neutral side of the differential protection)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays

X6 – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)

X100 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-

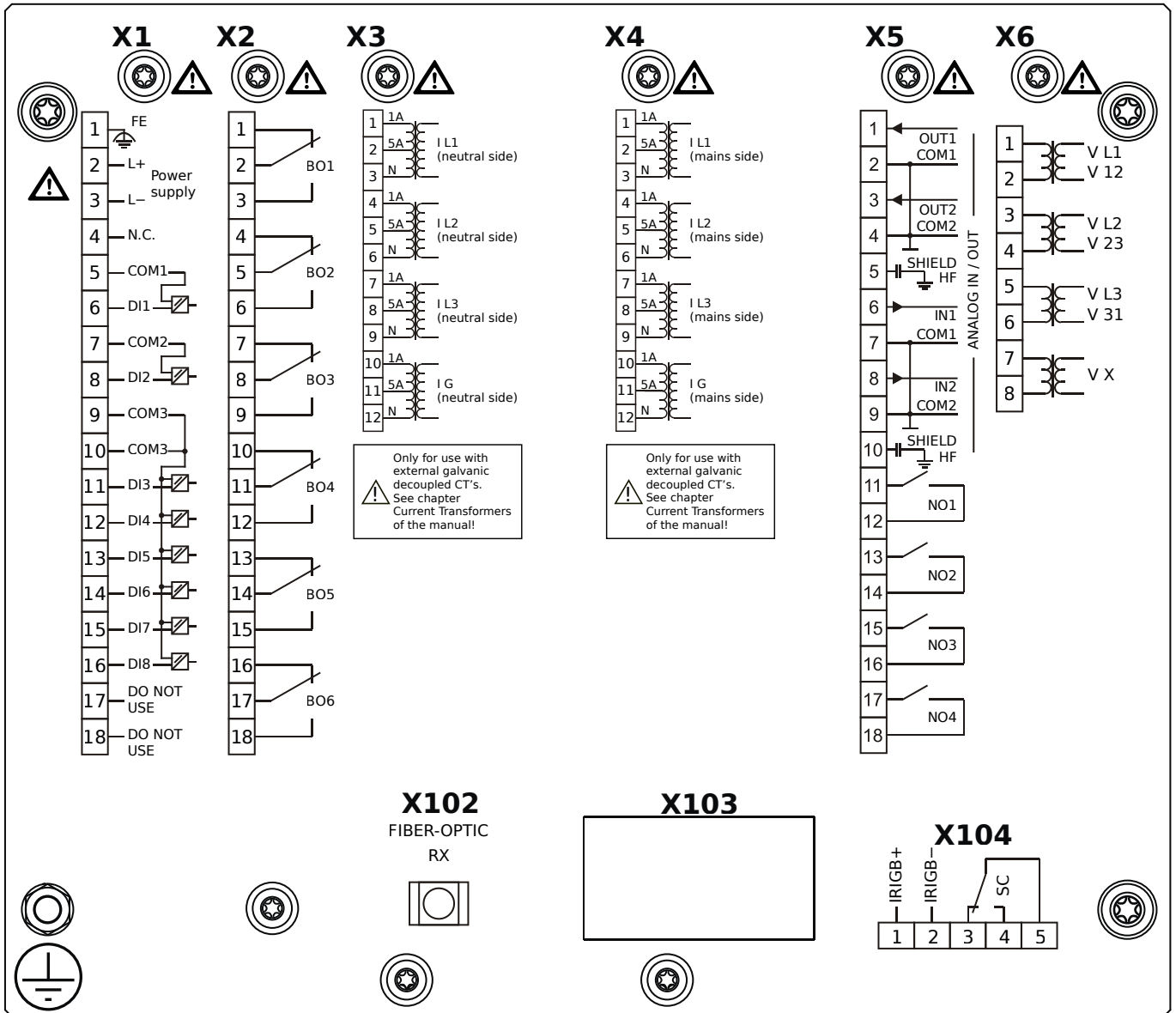
FX)

X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

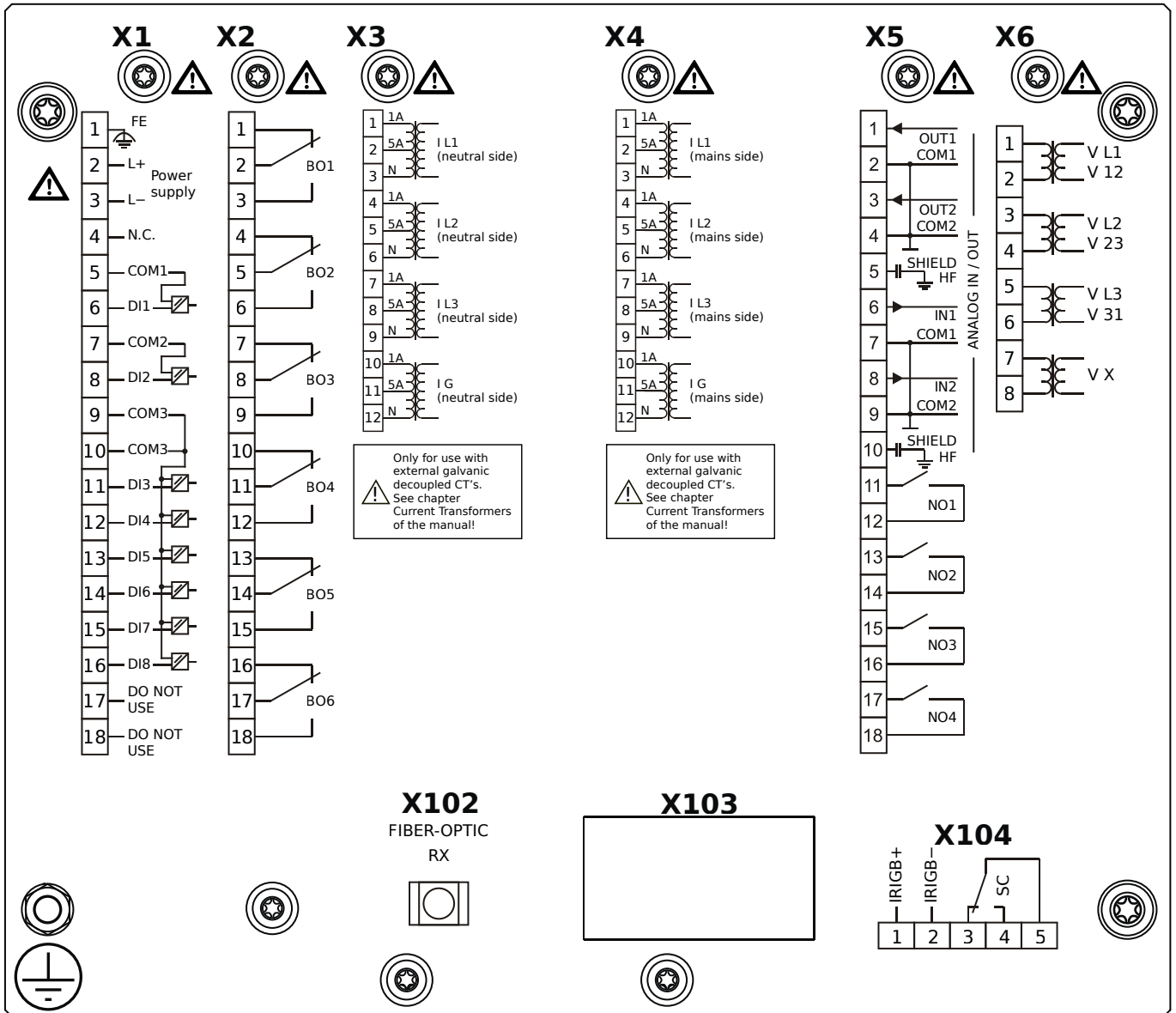
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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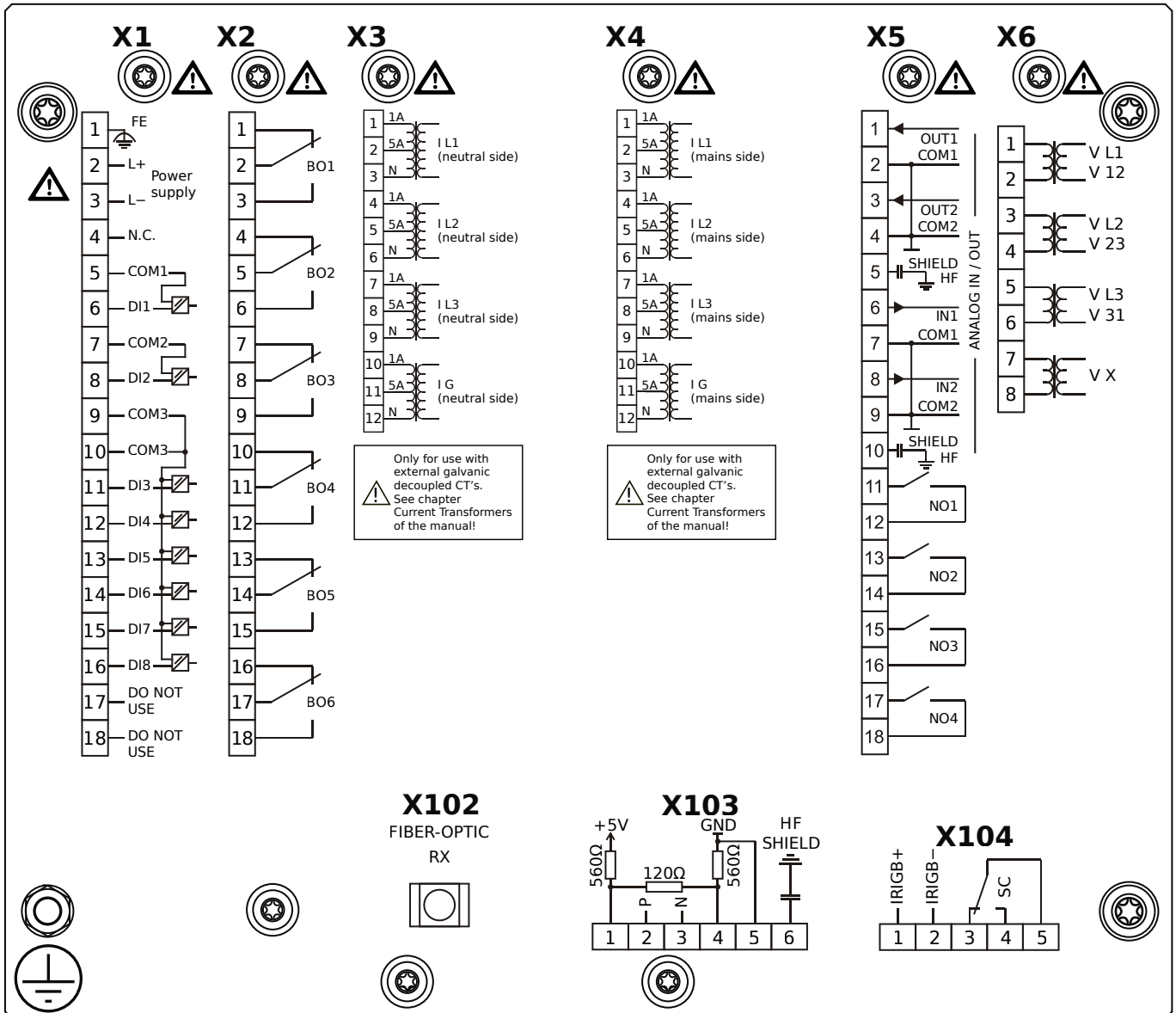


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

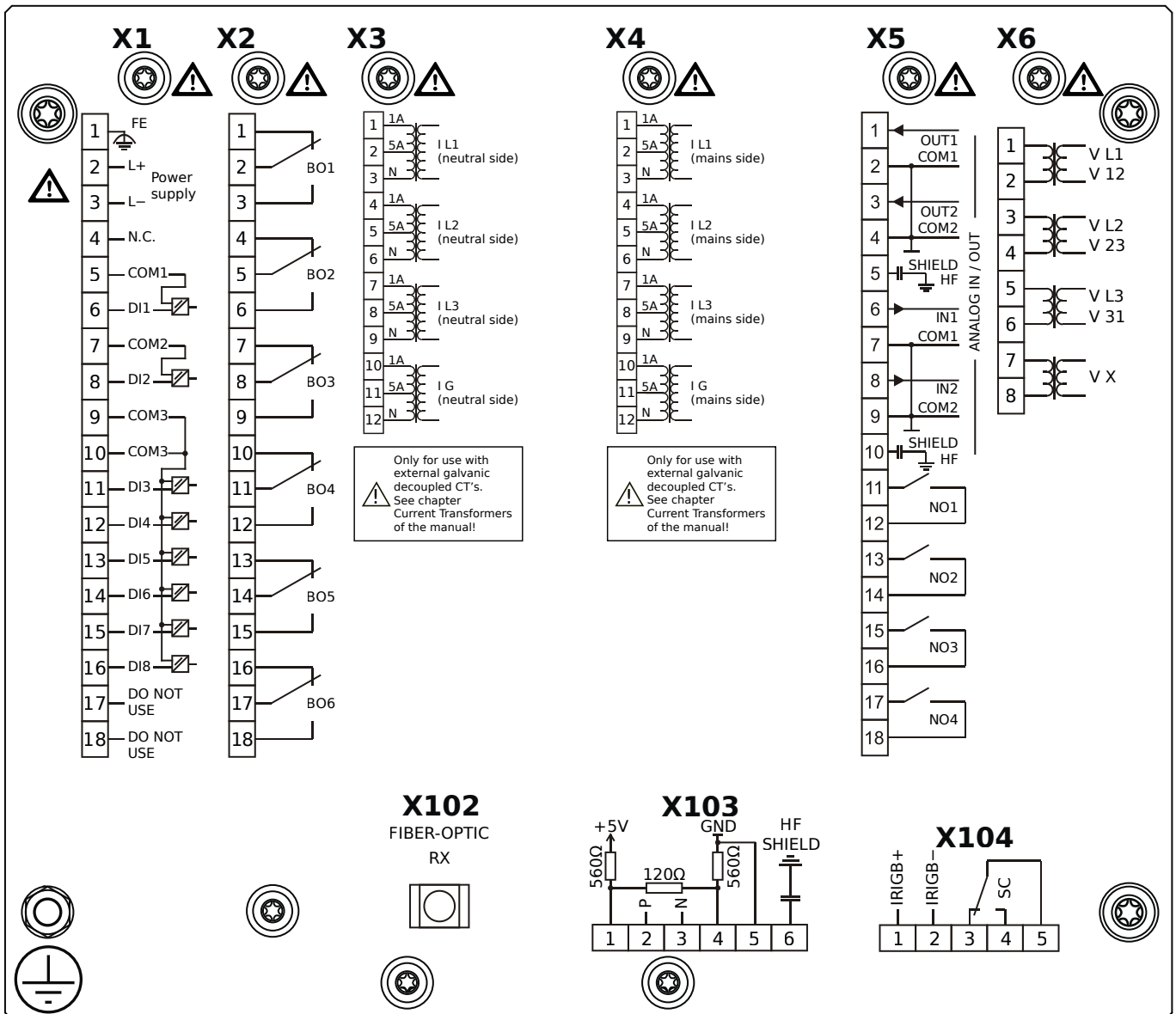
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Housing B2, large display, 19" rack mounting

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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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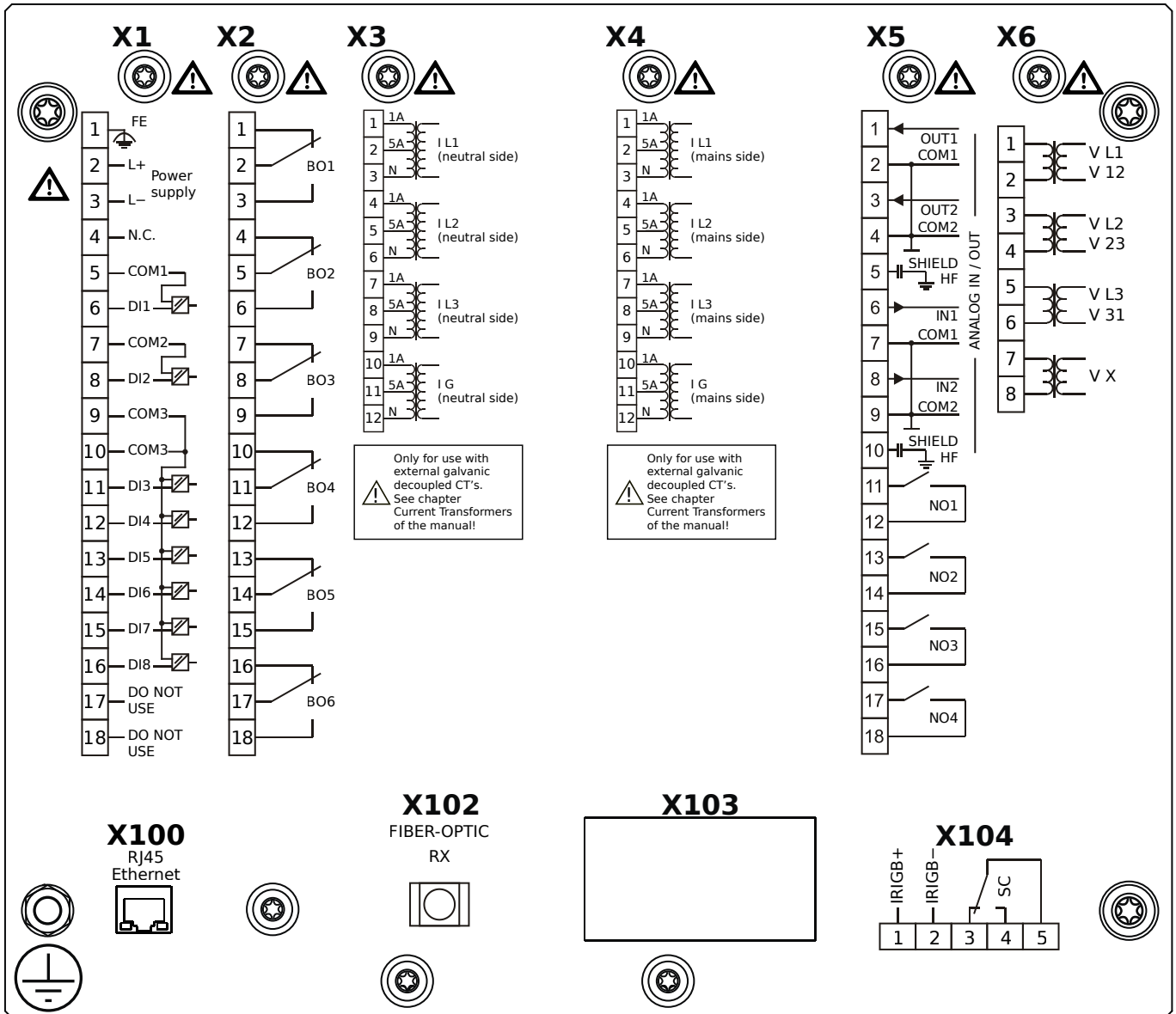


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

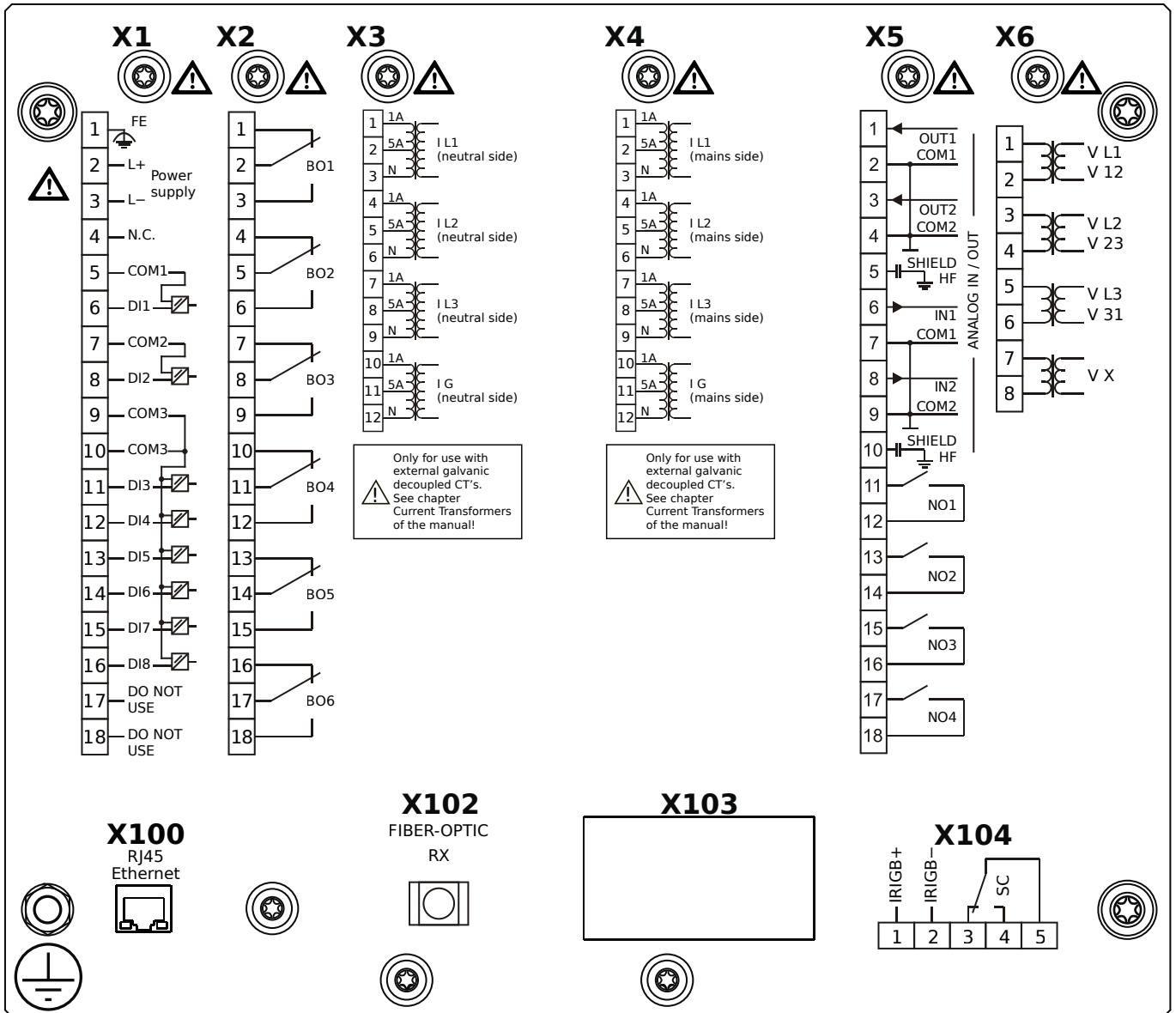
MCDGV4-2B0BCA



Housing B2, large display, 19" rack mounting

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- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B0BCB

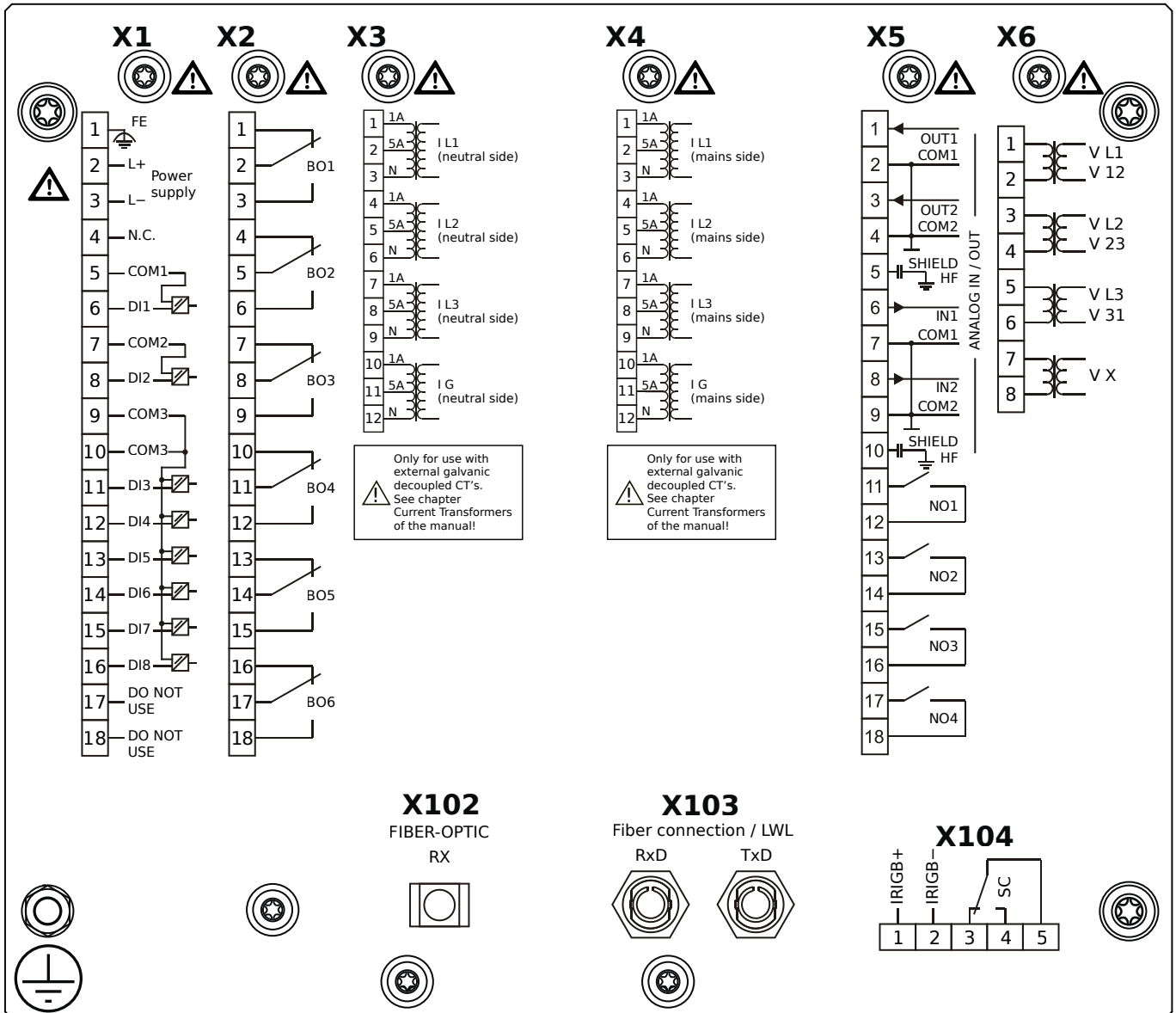


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

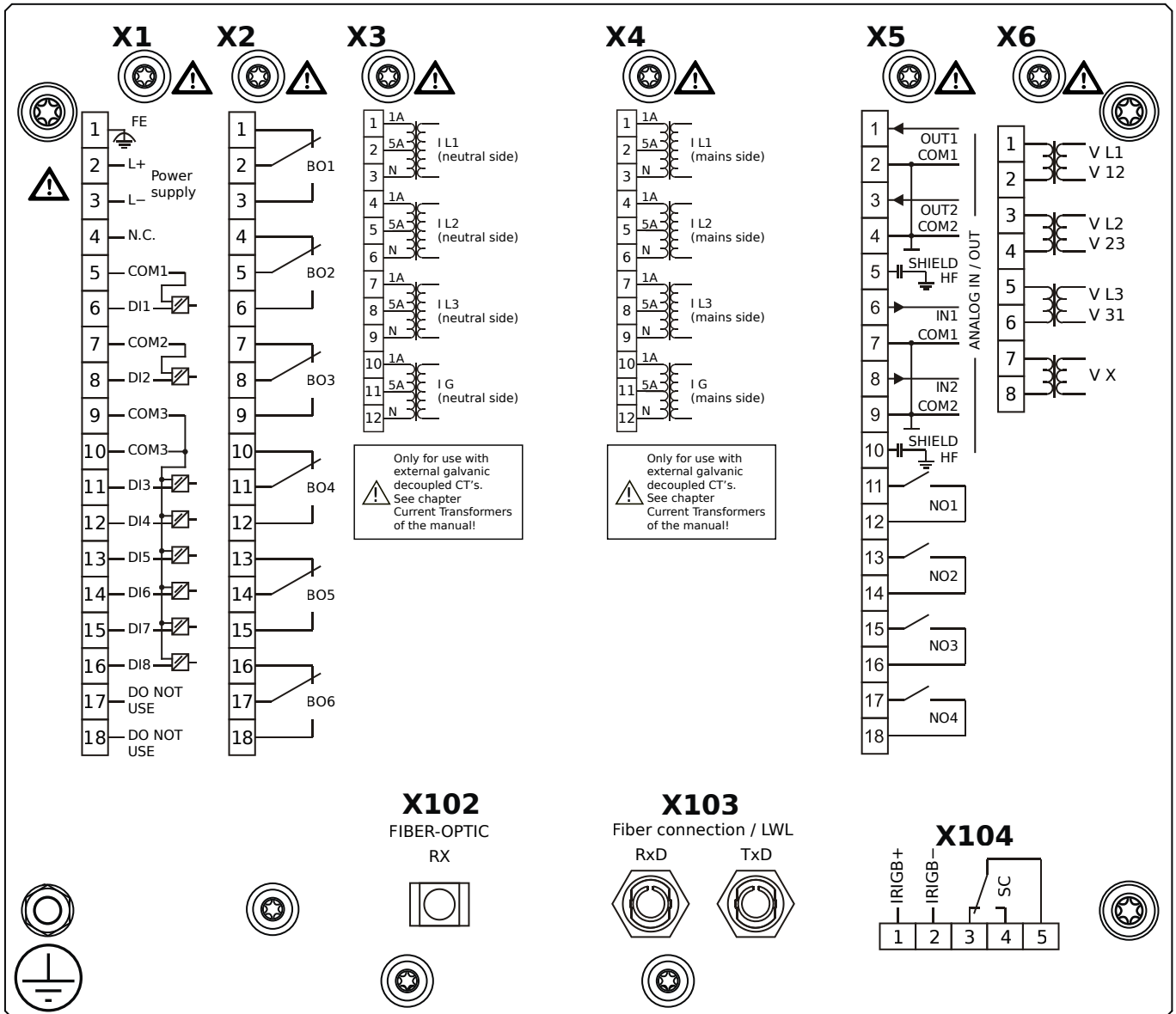
MCDGV4-2B0BDA



Housing B2, large display, 19" rack mounting

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- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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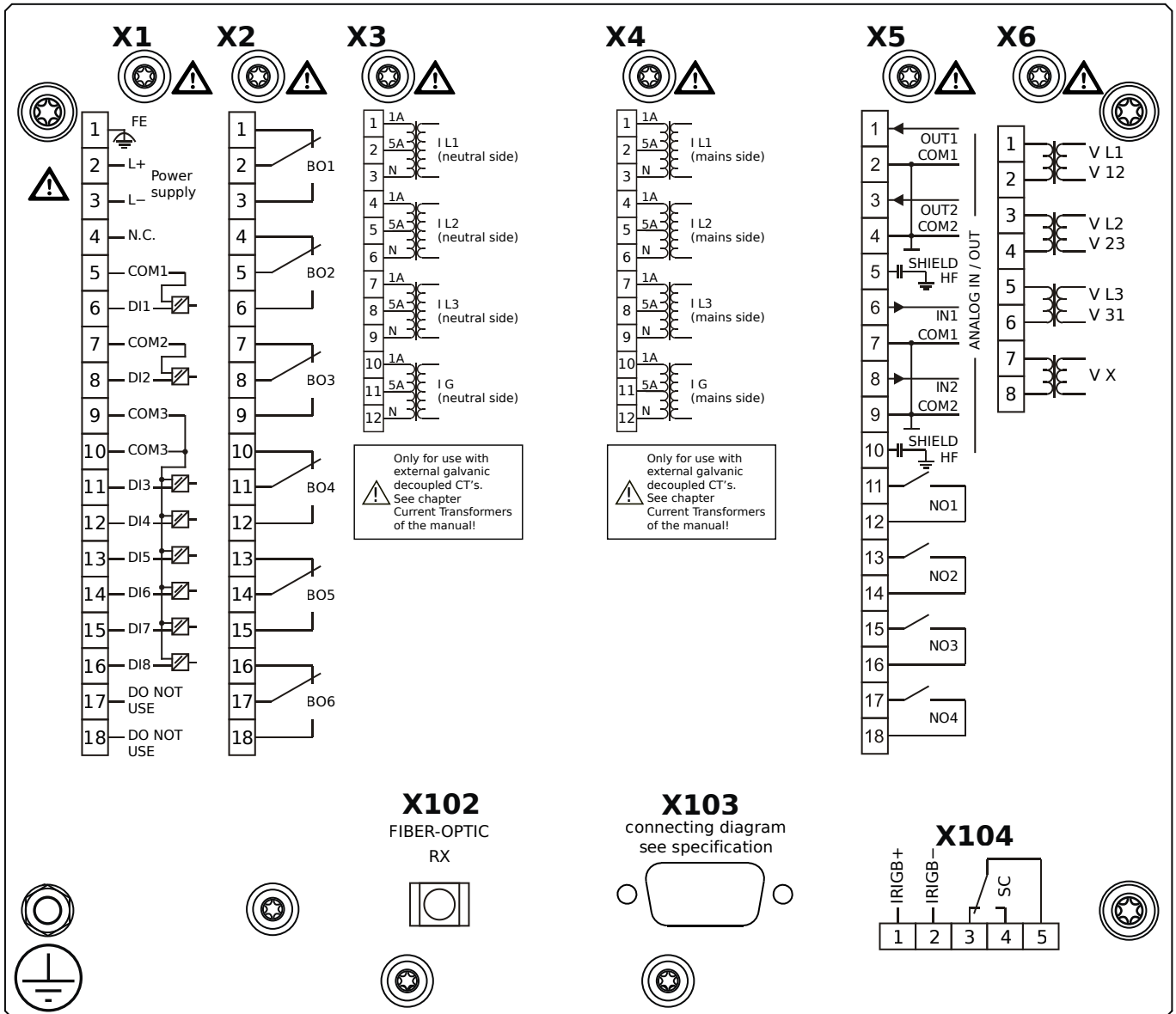


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

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- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

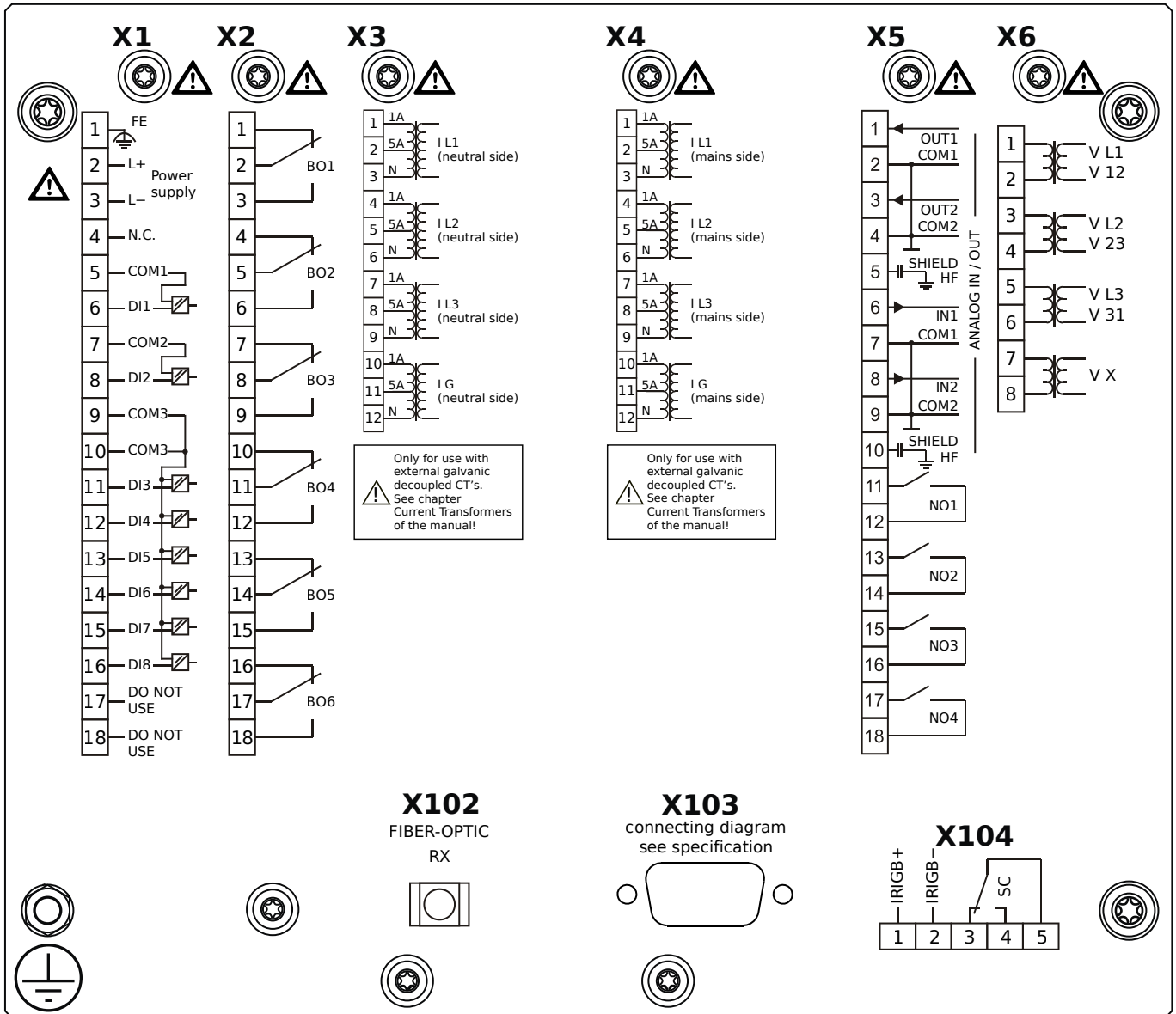
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Housing B2, large display, 19" rack mounting

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- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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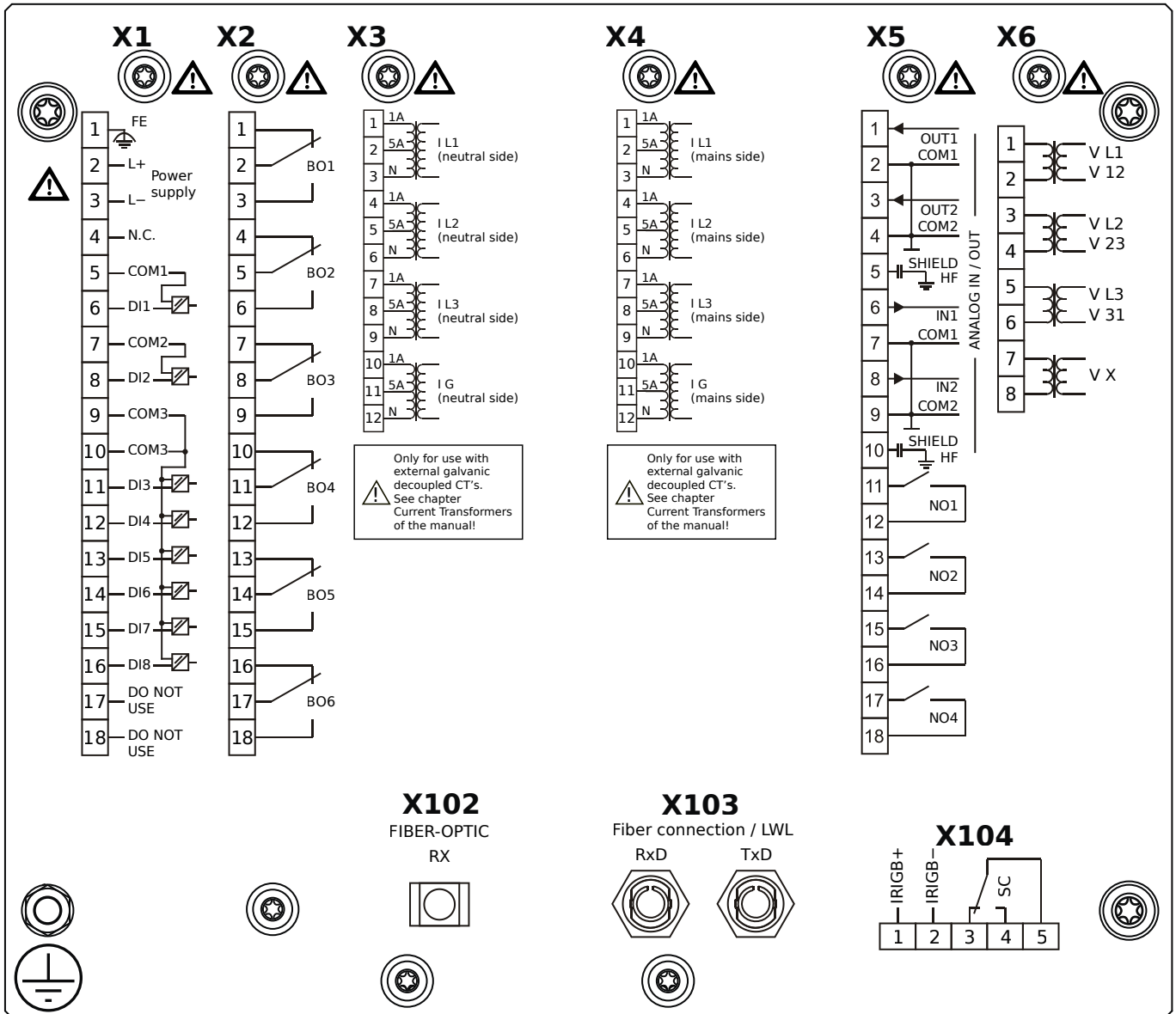


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

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- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

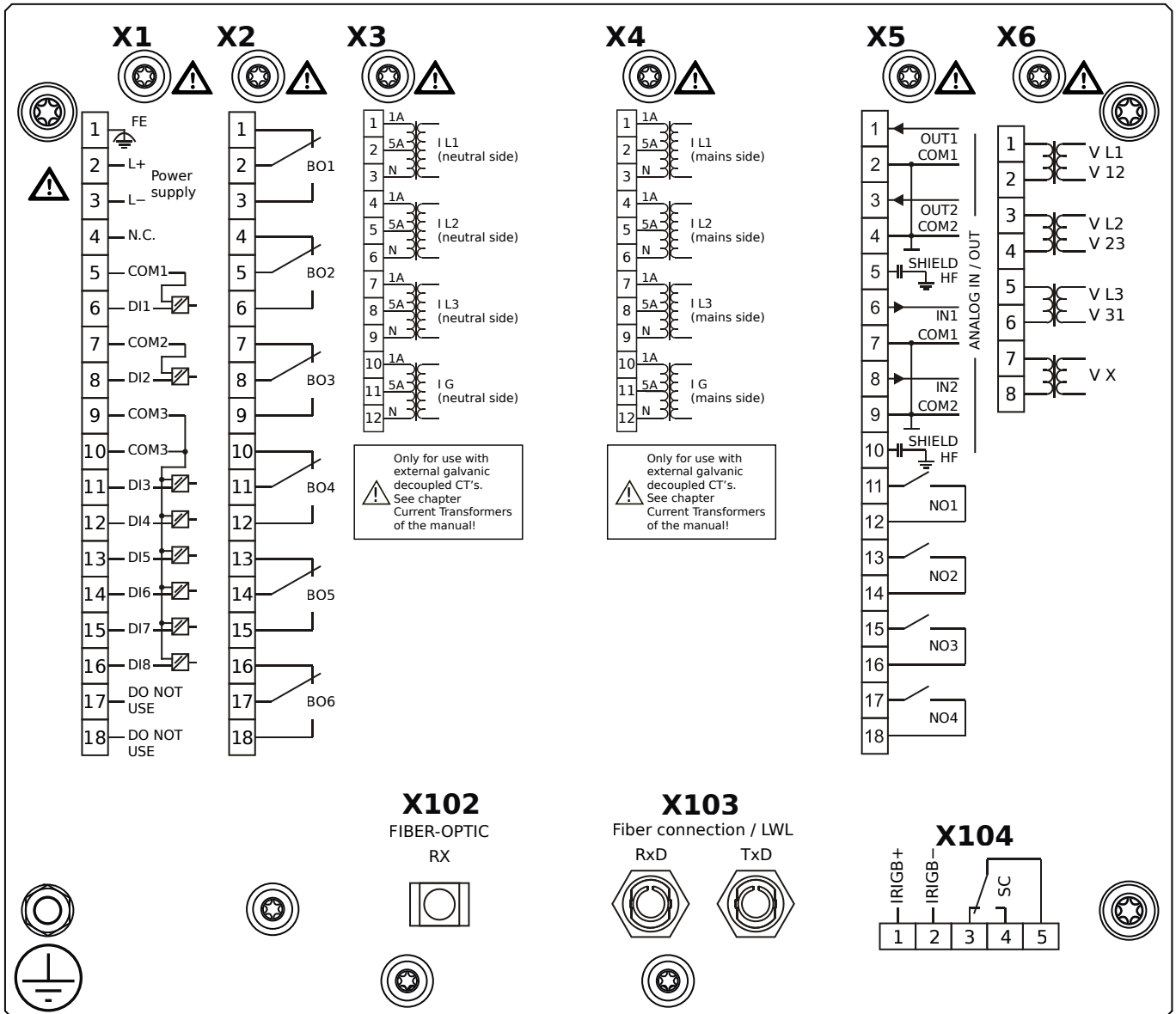
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Housing B2, large display, 19" rack mounting

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- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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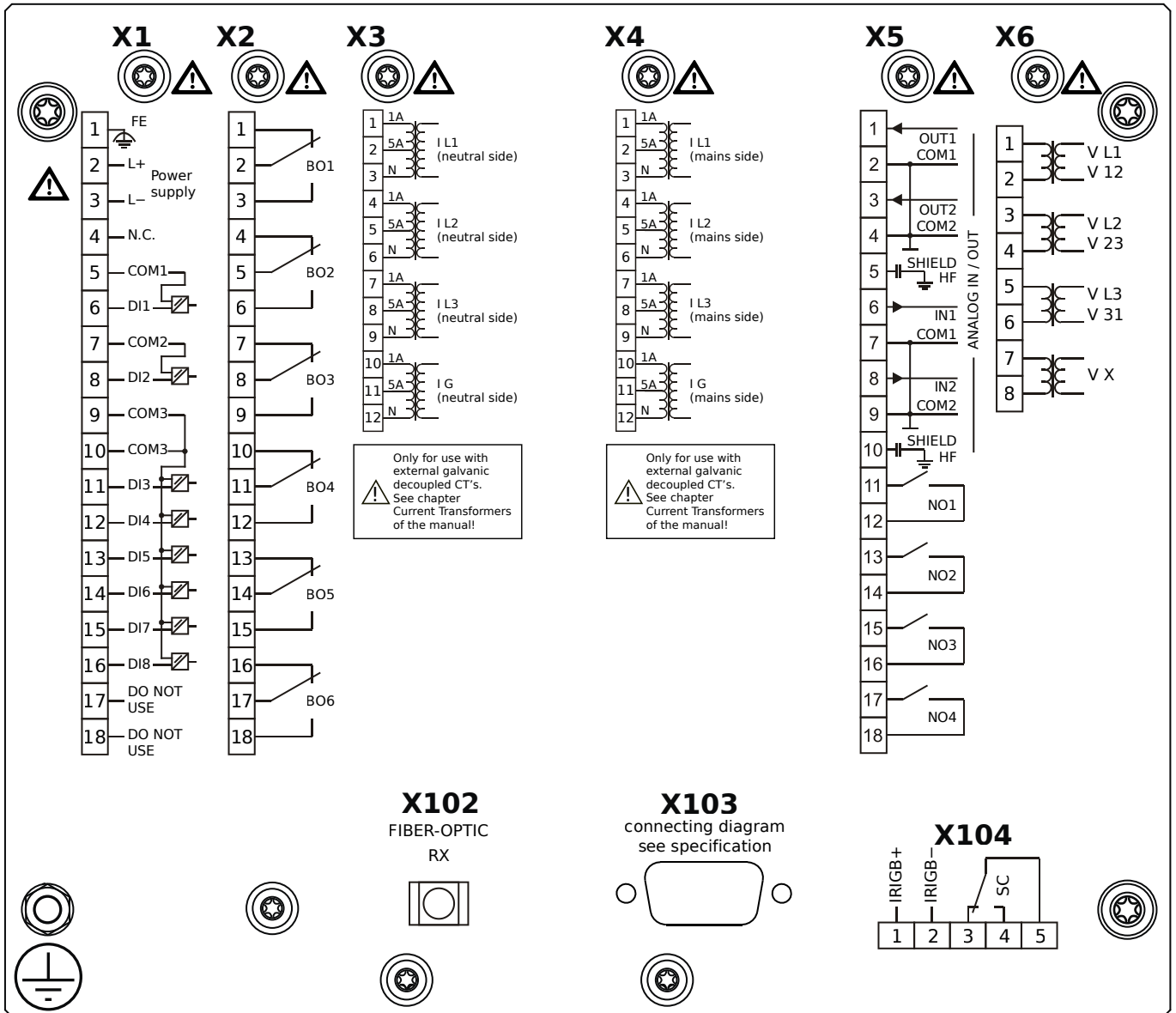


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
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- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

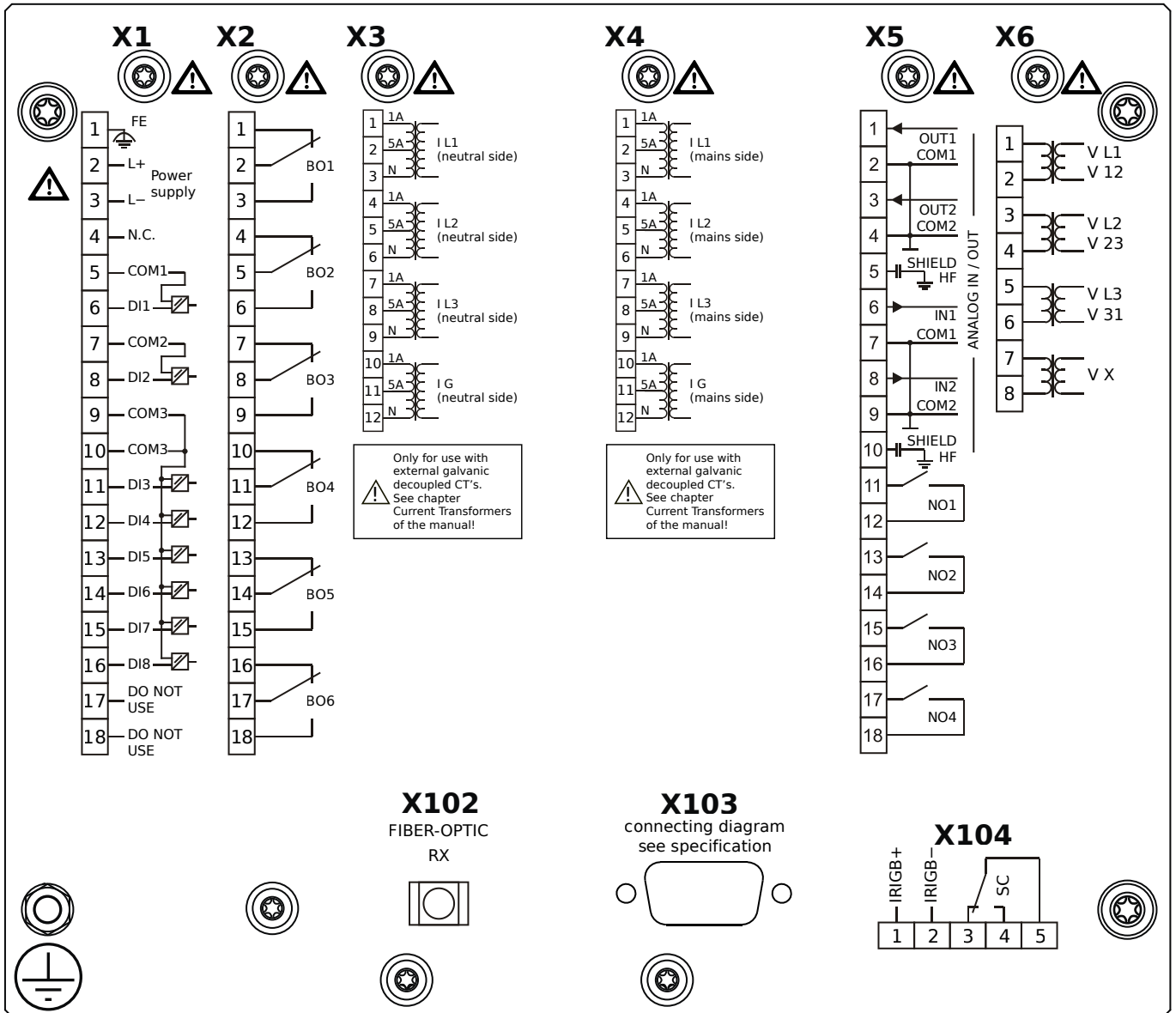
MCDGV4-2B0BGA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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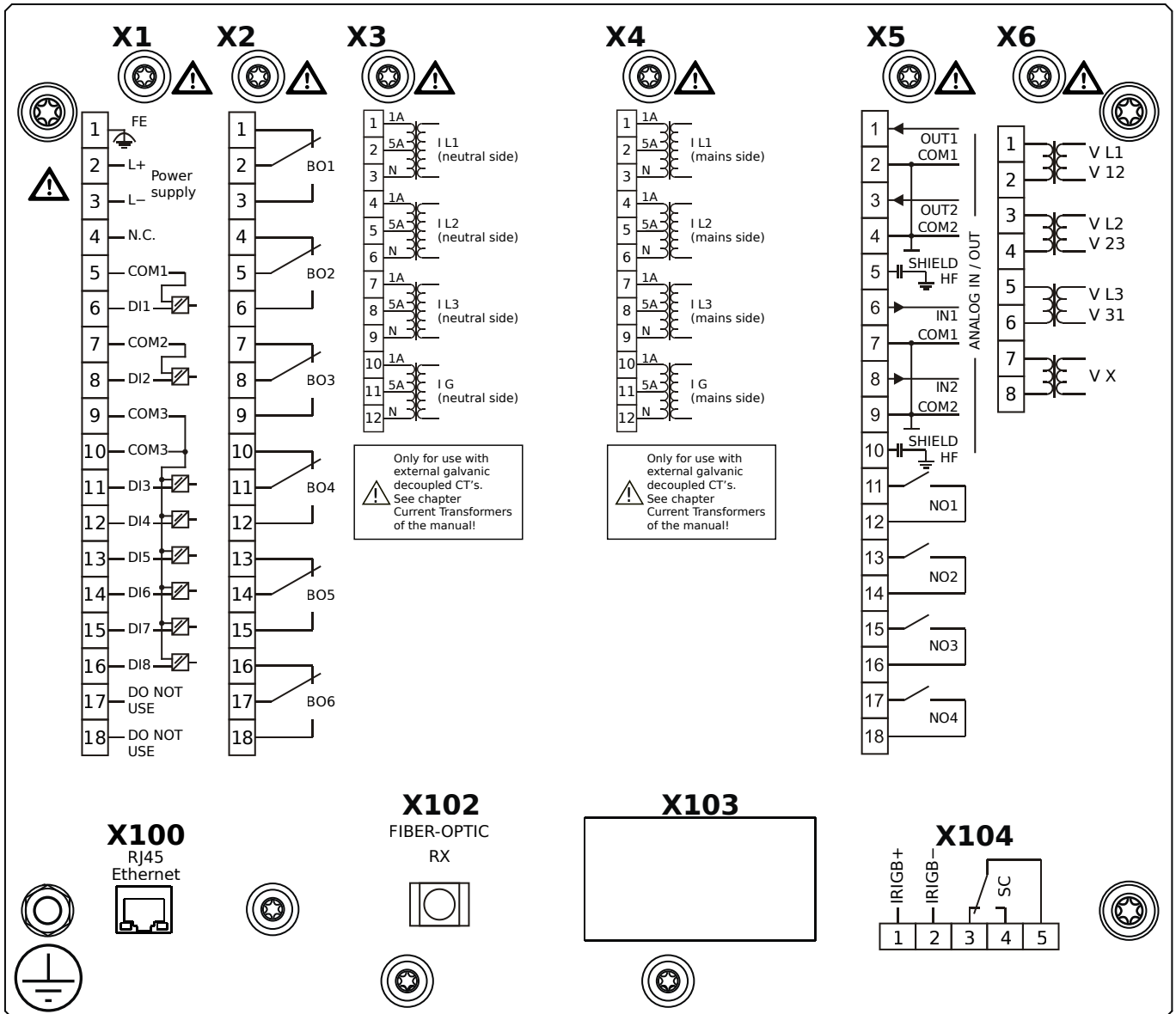


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

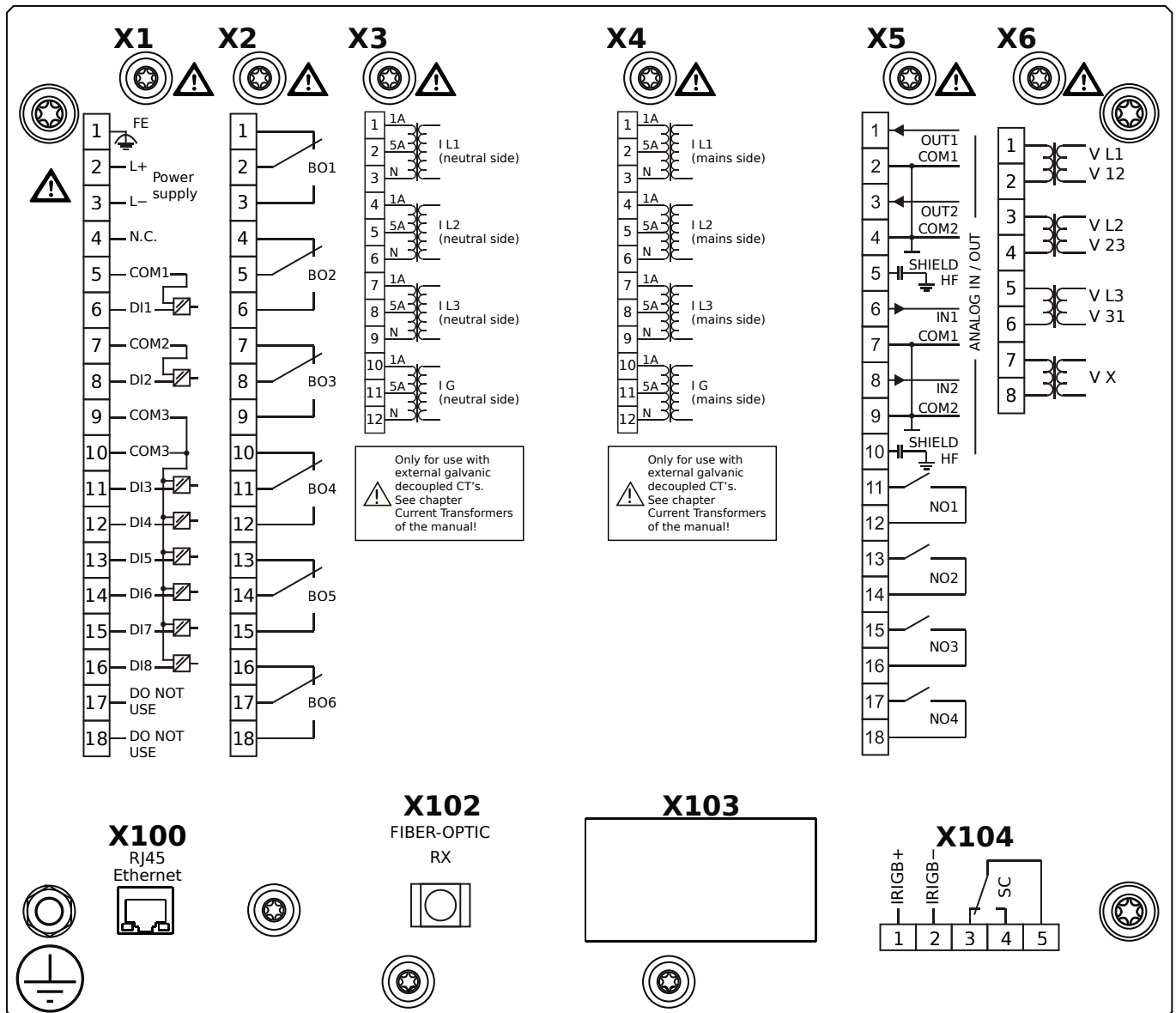
MCDGV4-2B0BHA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B0BHB



Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TI: Standard current measuring card (for the neutral side of the differential protection)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays

X6 – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)

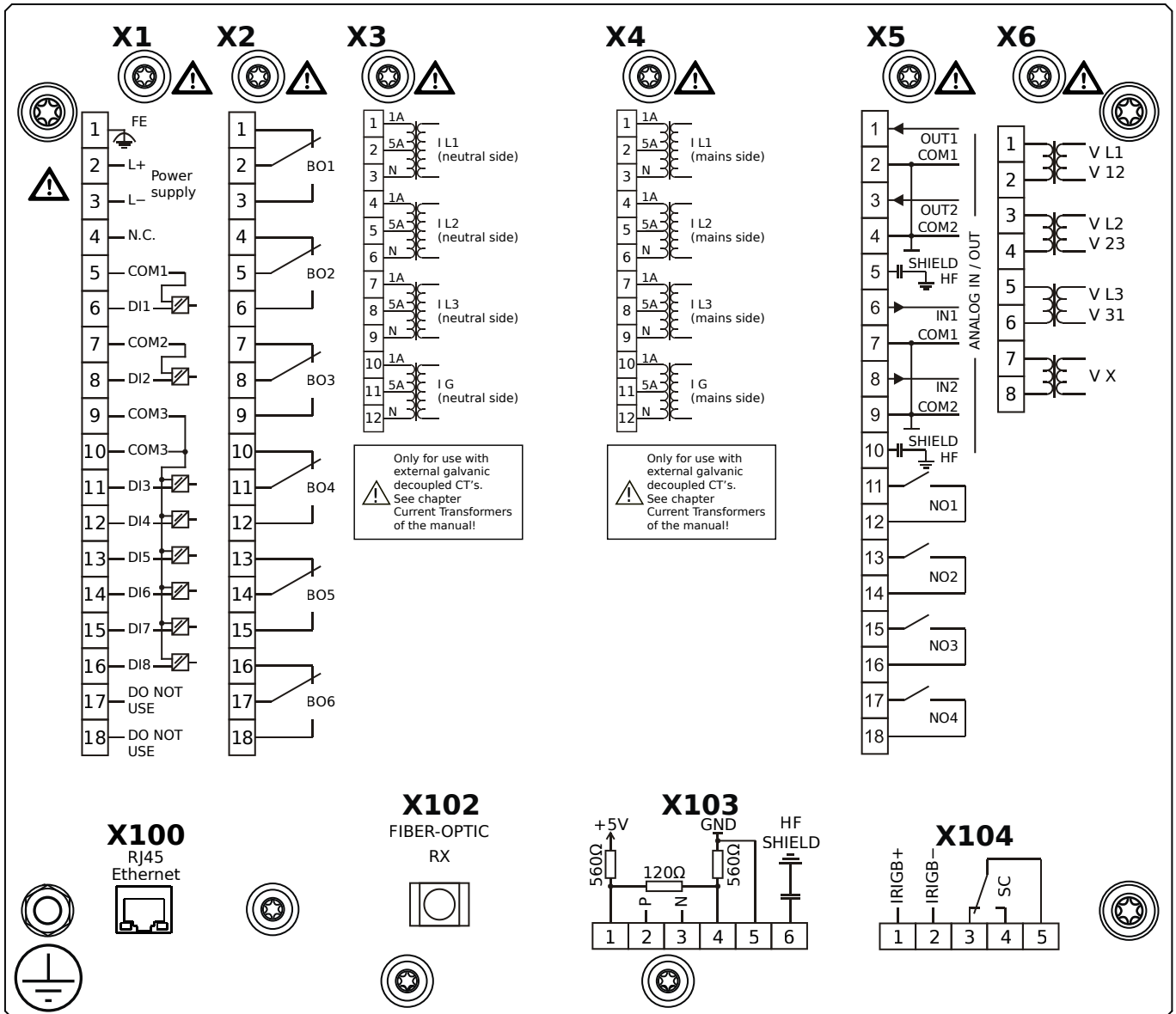
X100 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-

FX)

X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

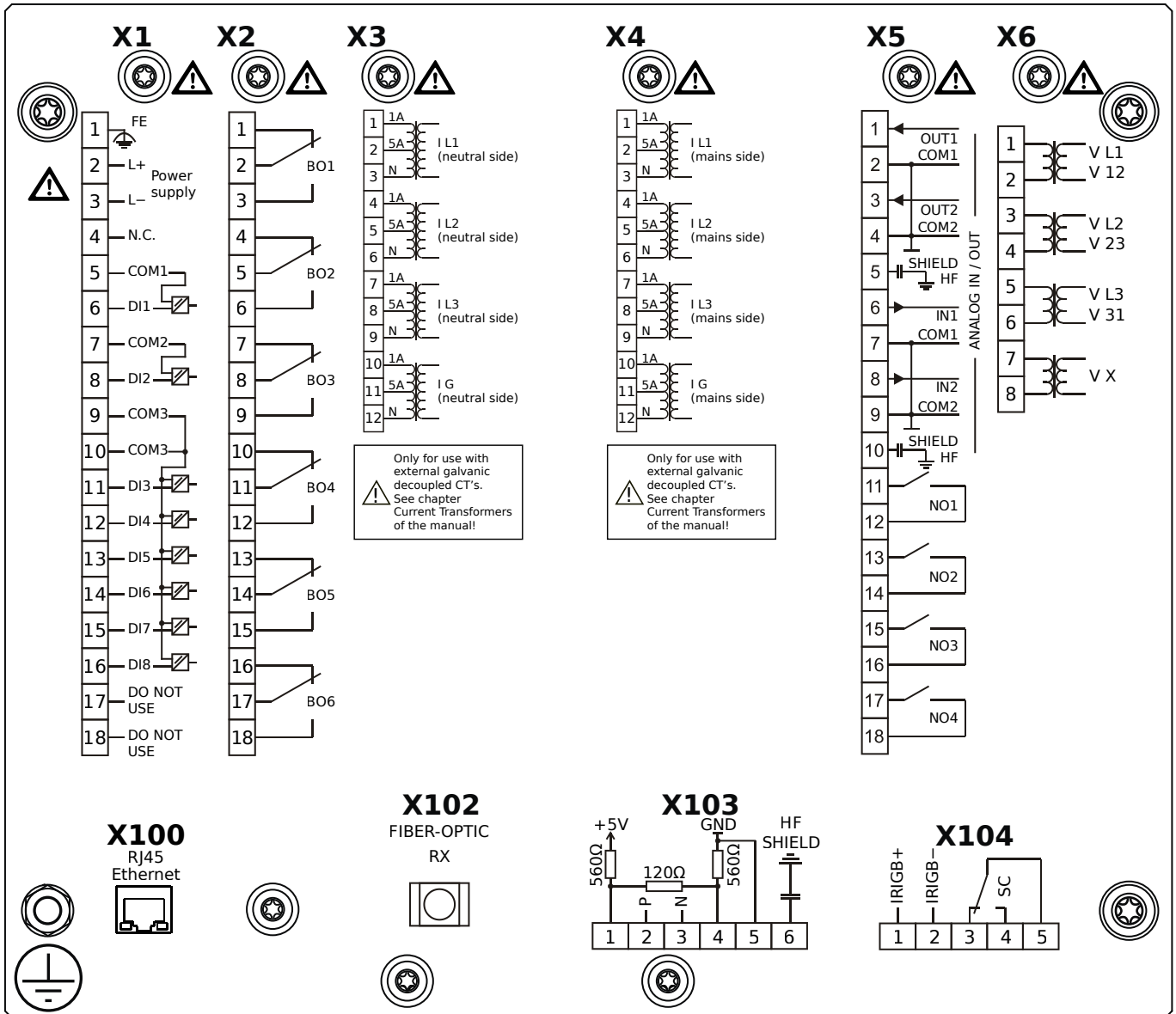
MCDGV4-2B0BIA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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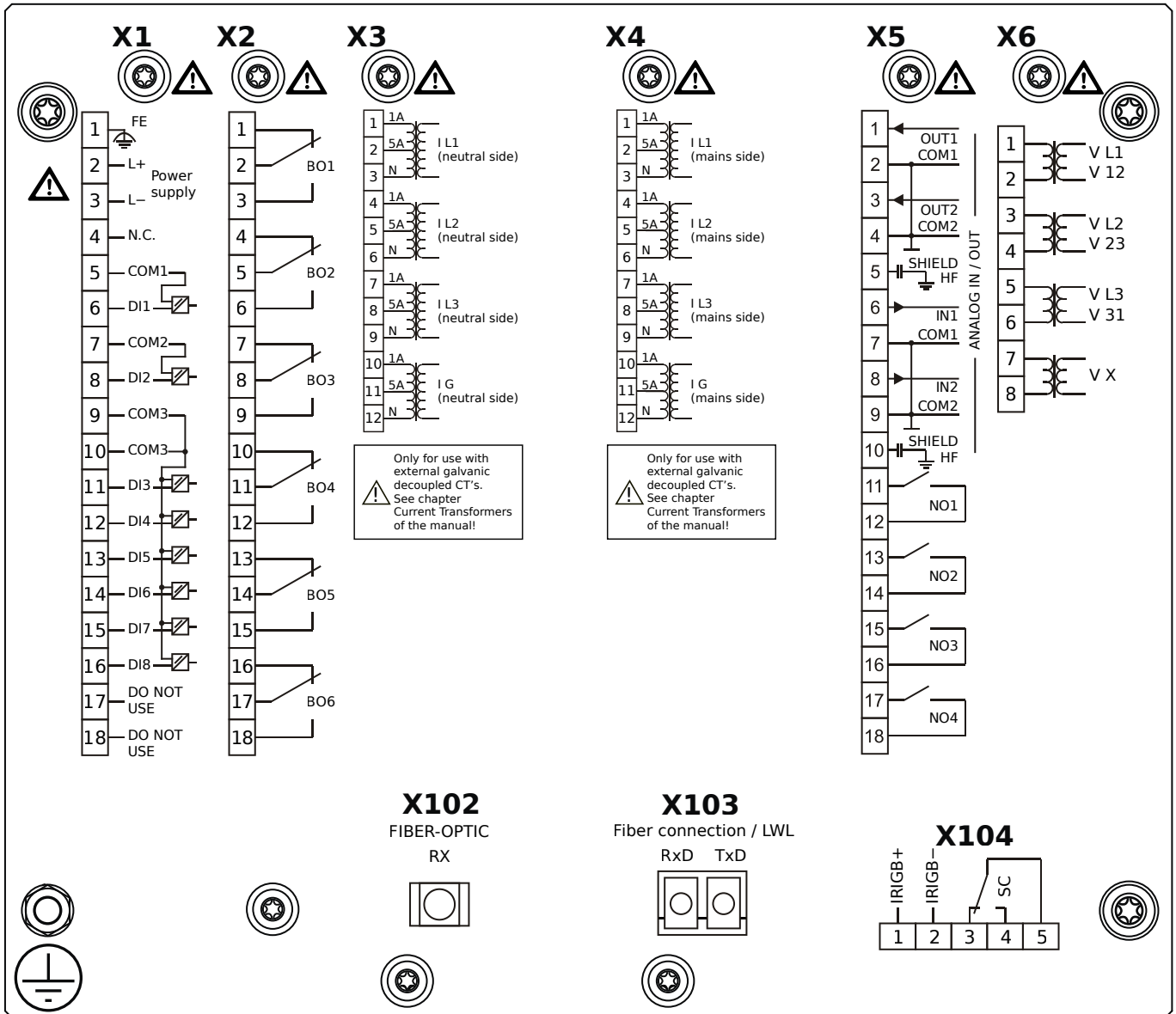


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

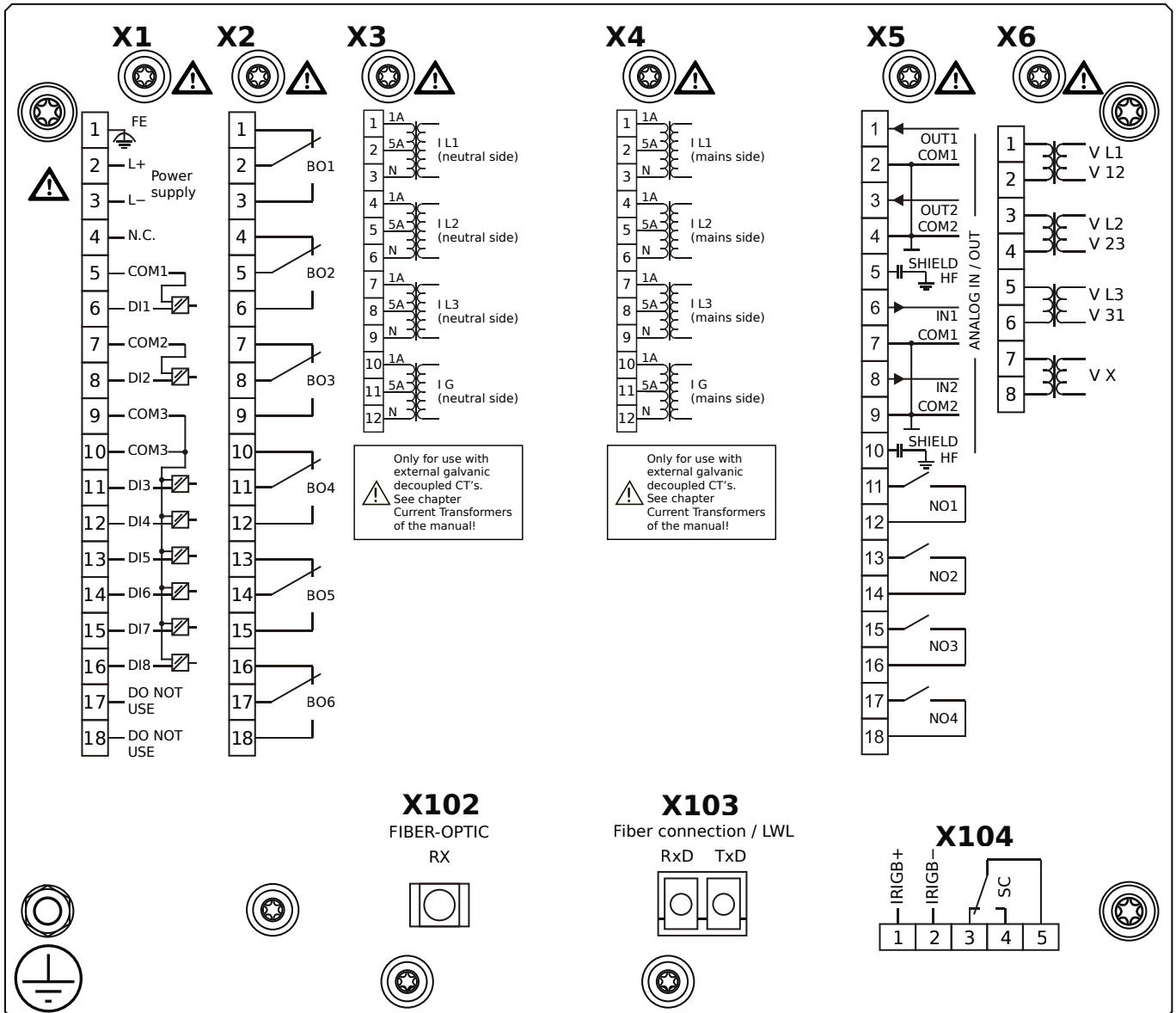
MCDGV4-2B0BKA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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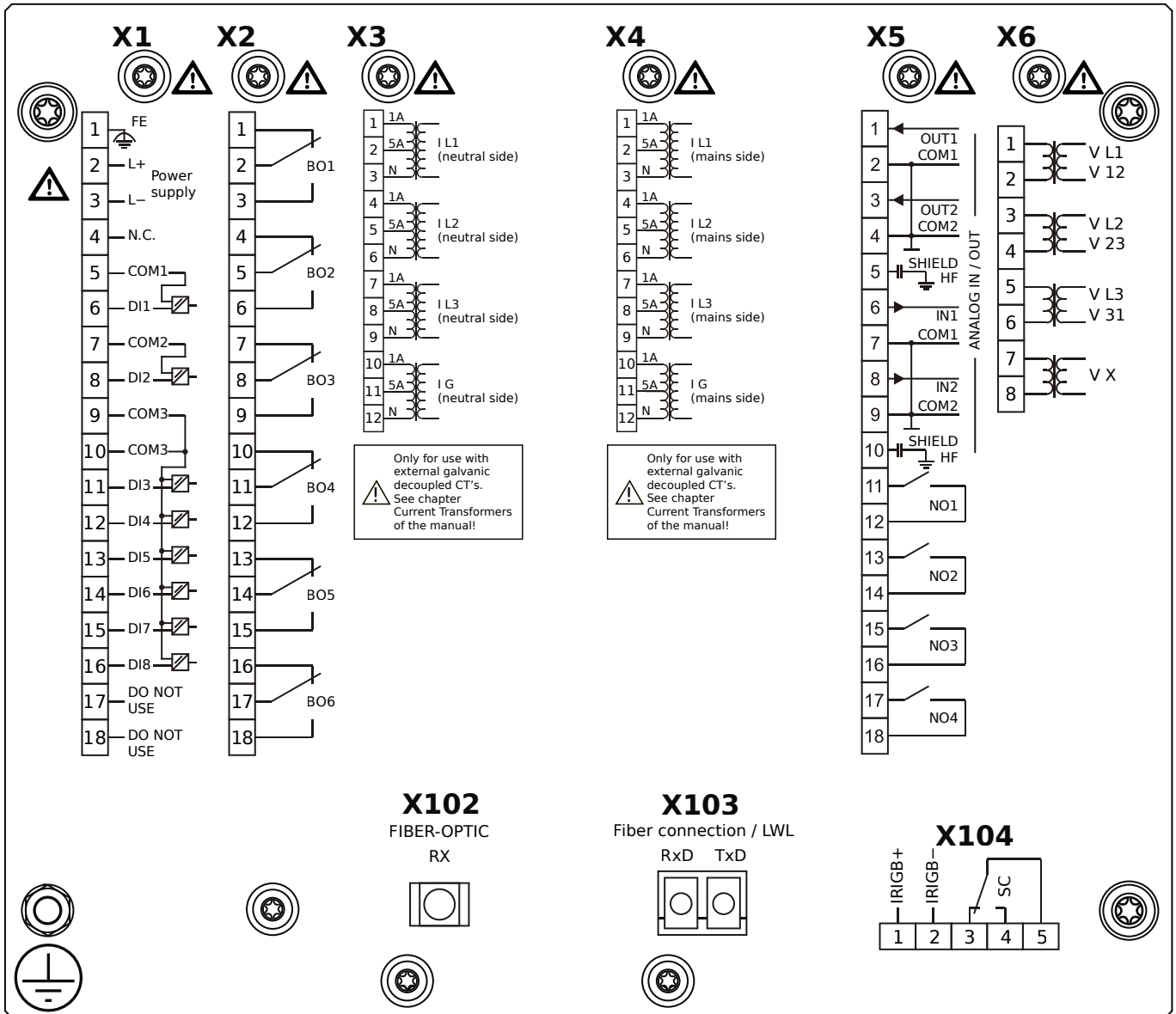


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

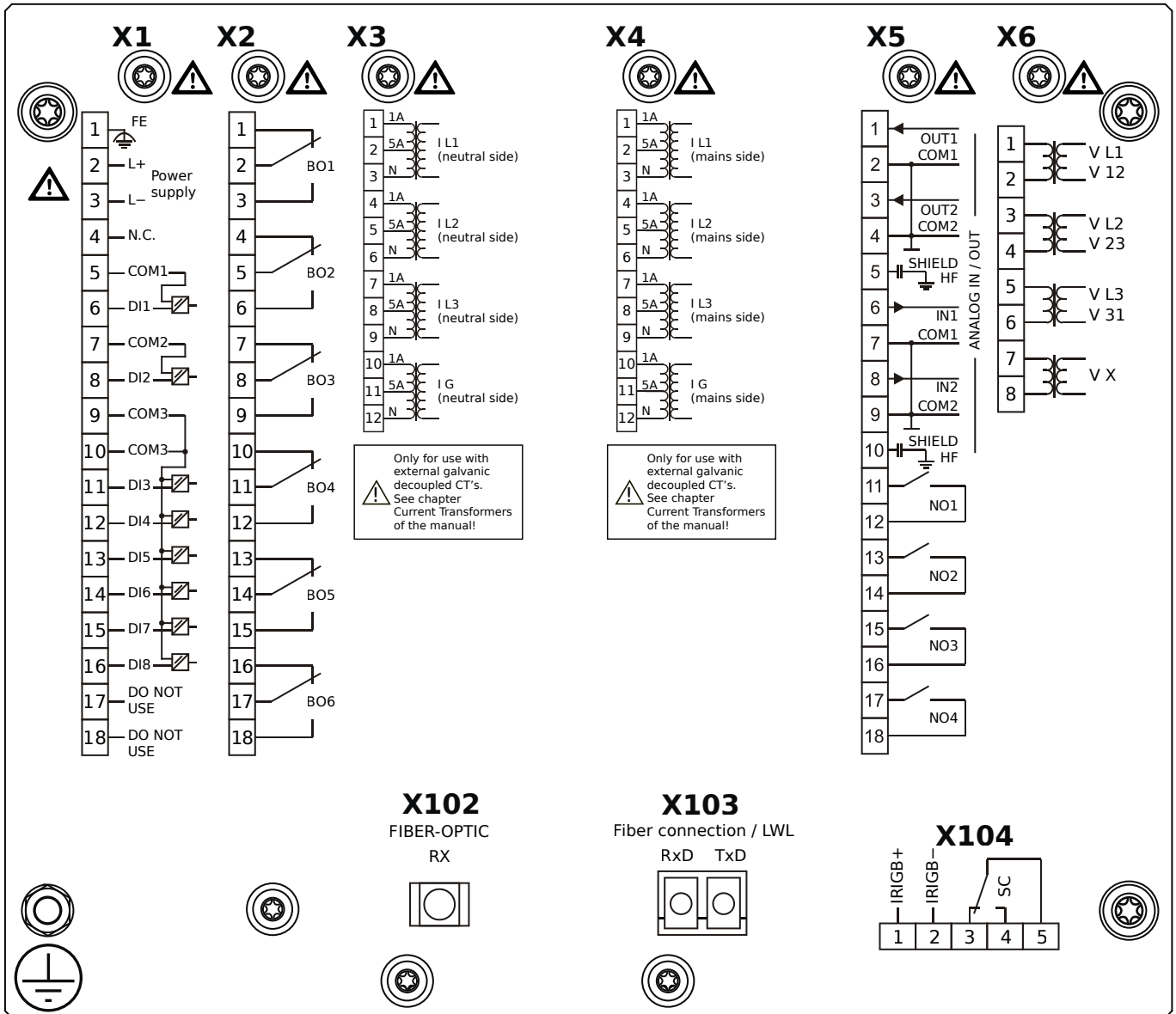
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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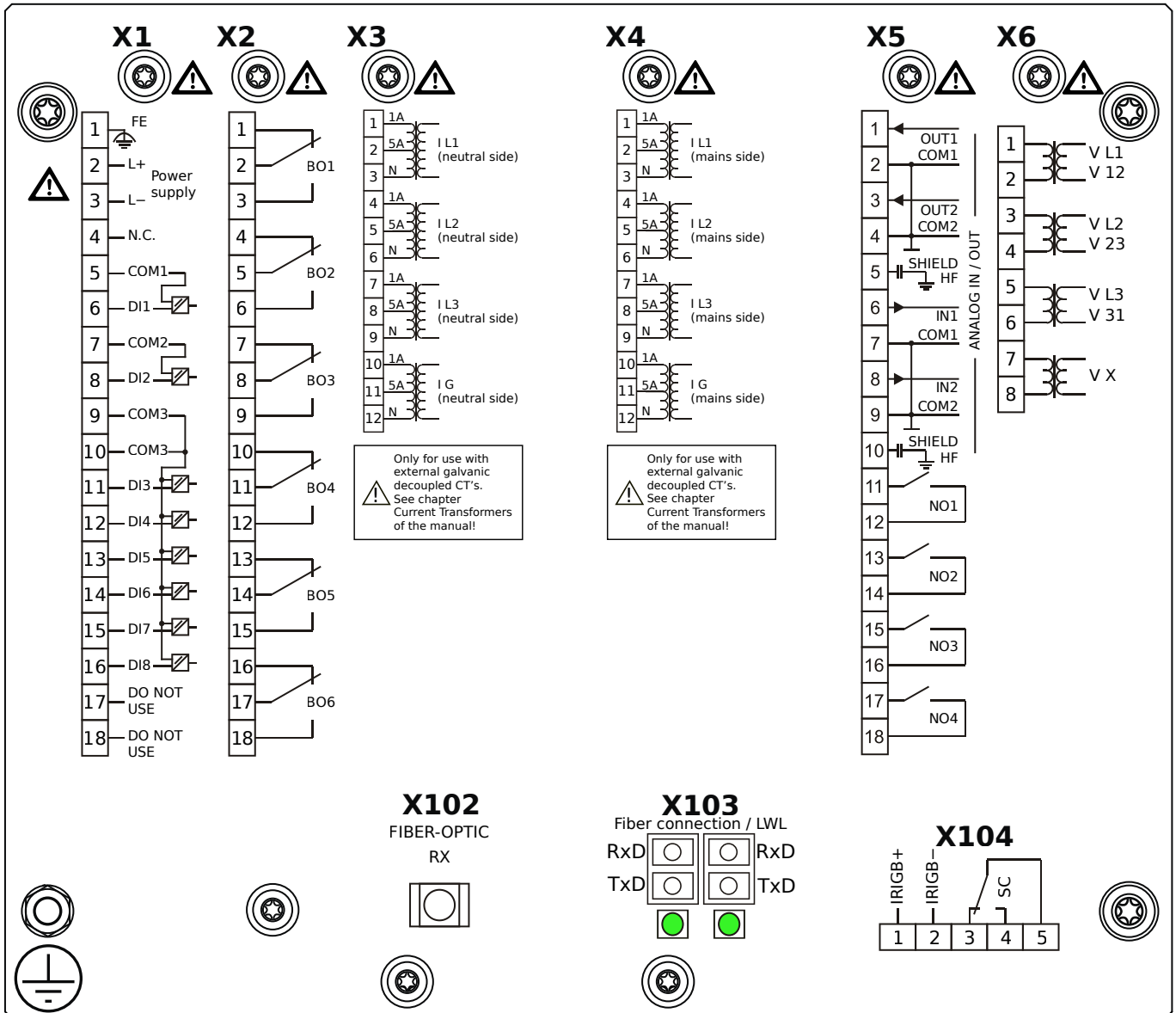


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

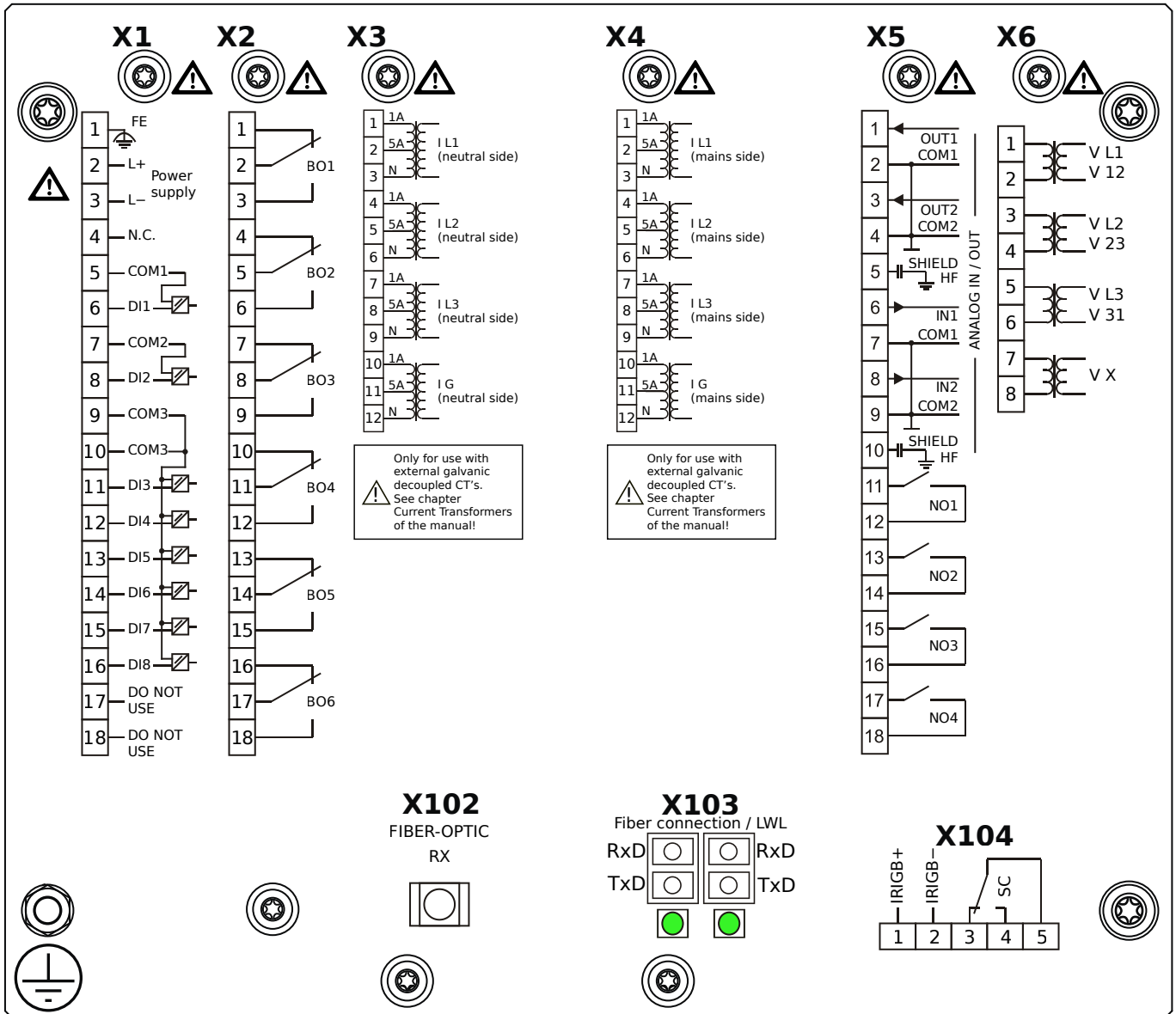
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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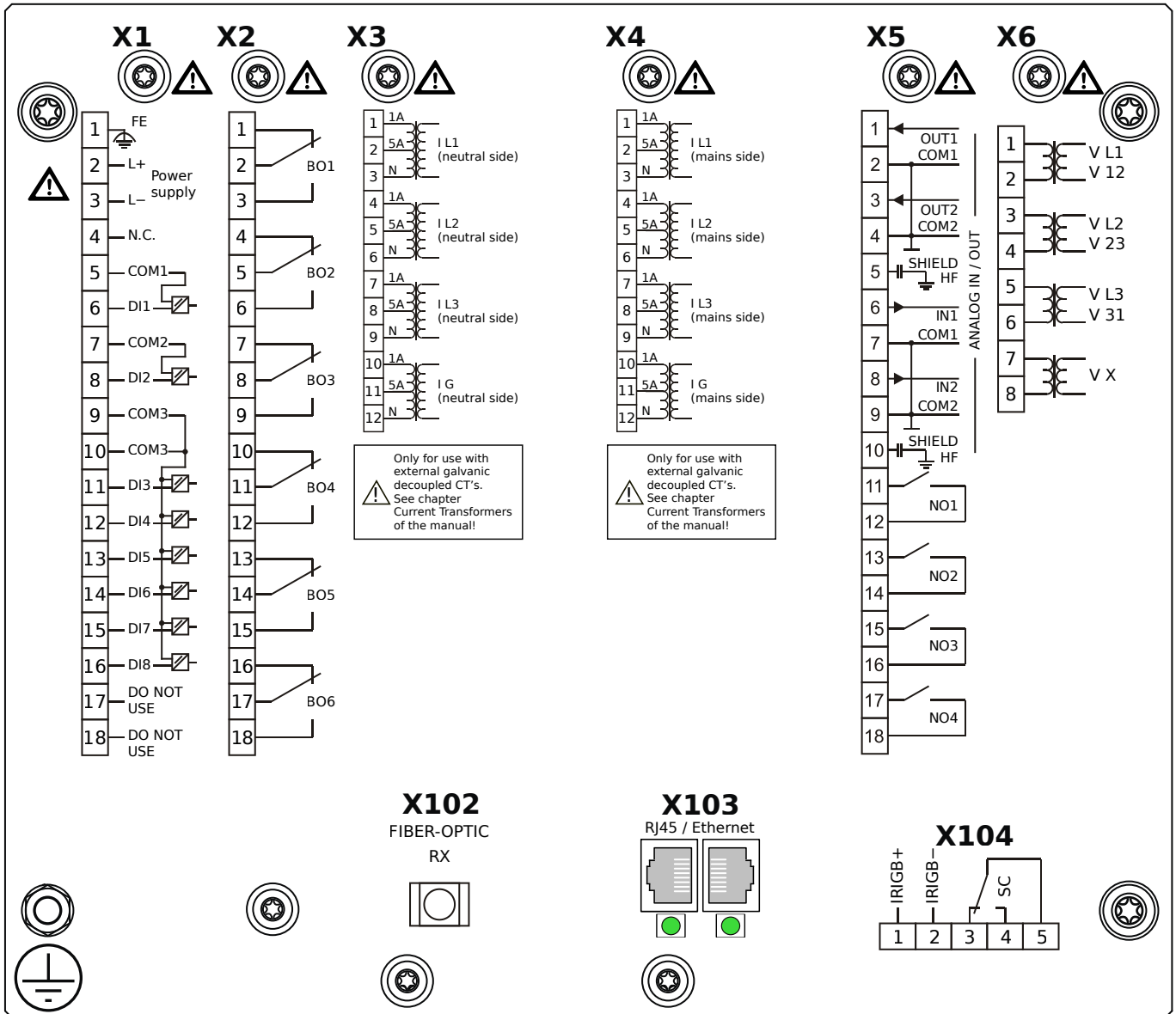


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

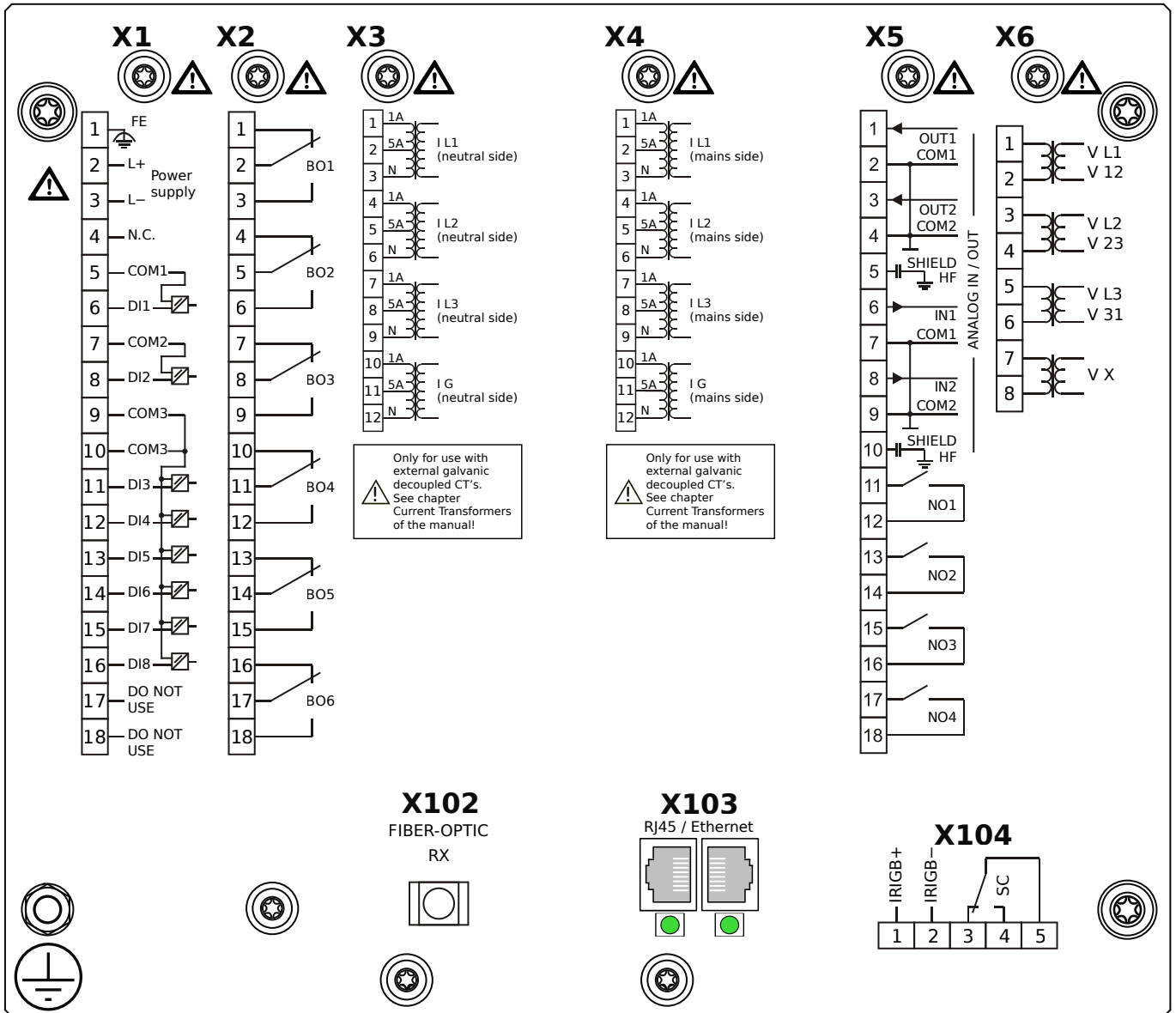
MCDGV4-2B0BPA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B0BPB

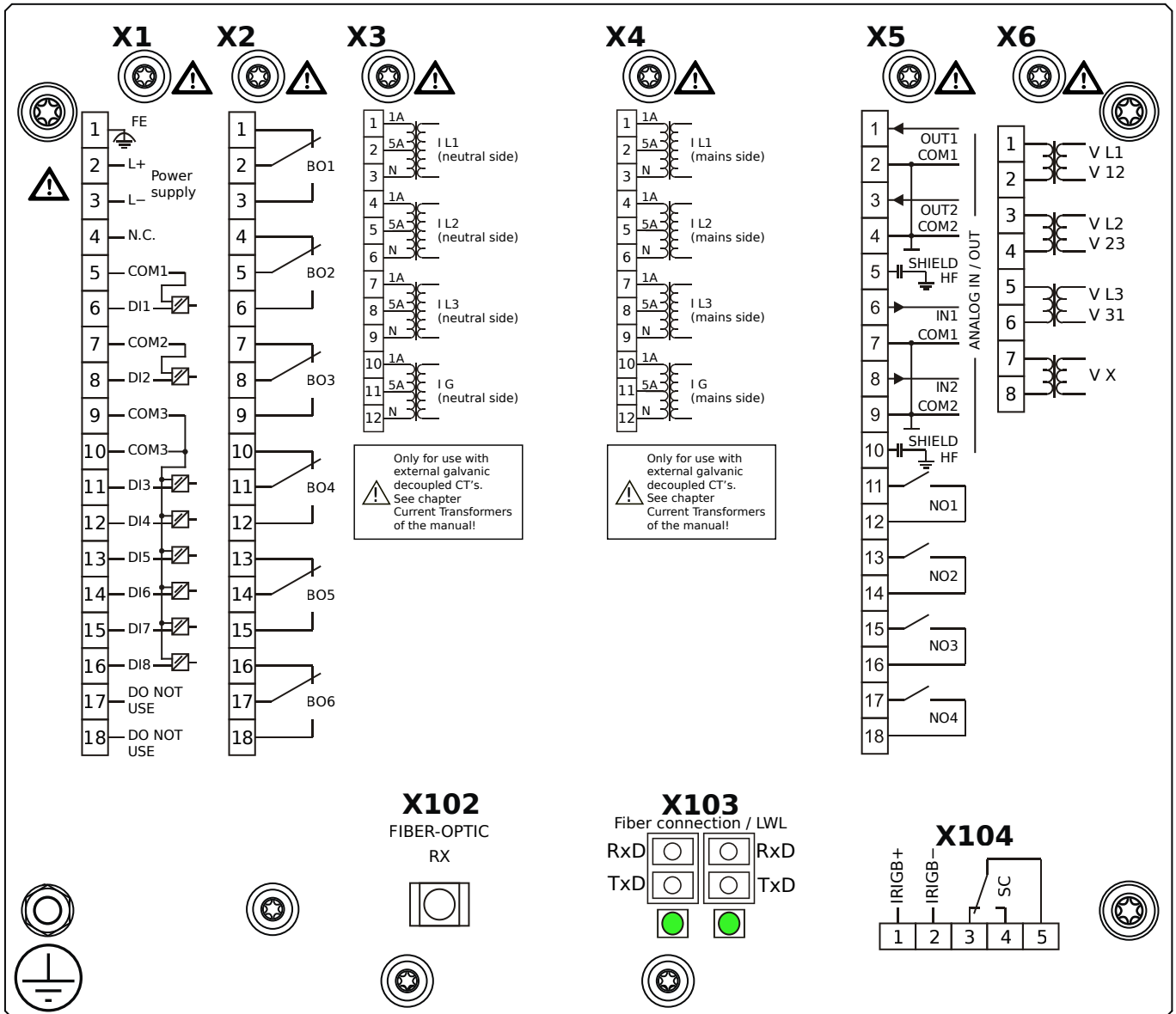


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

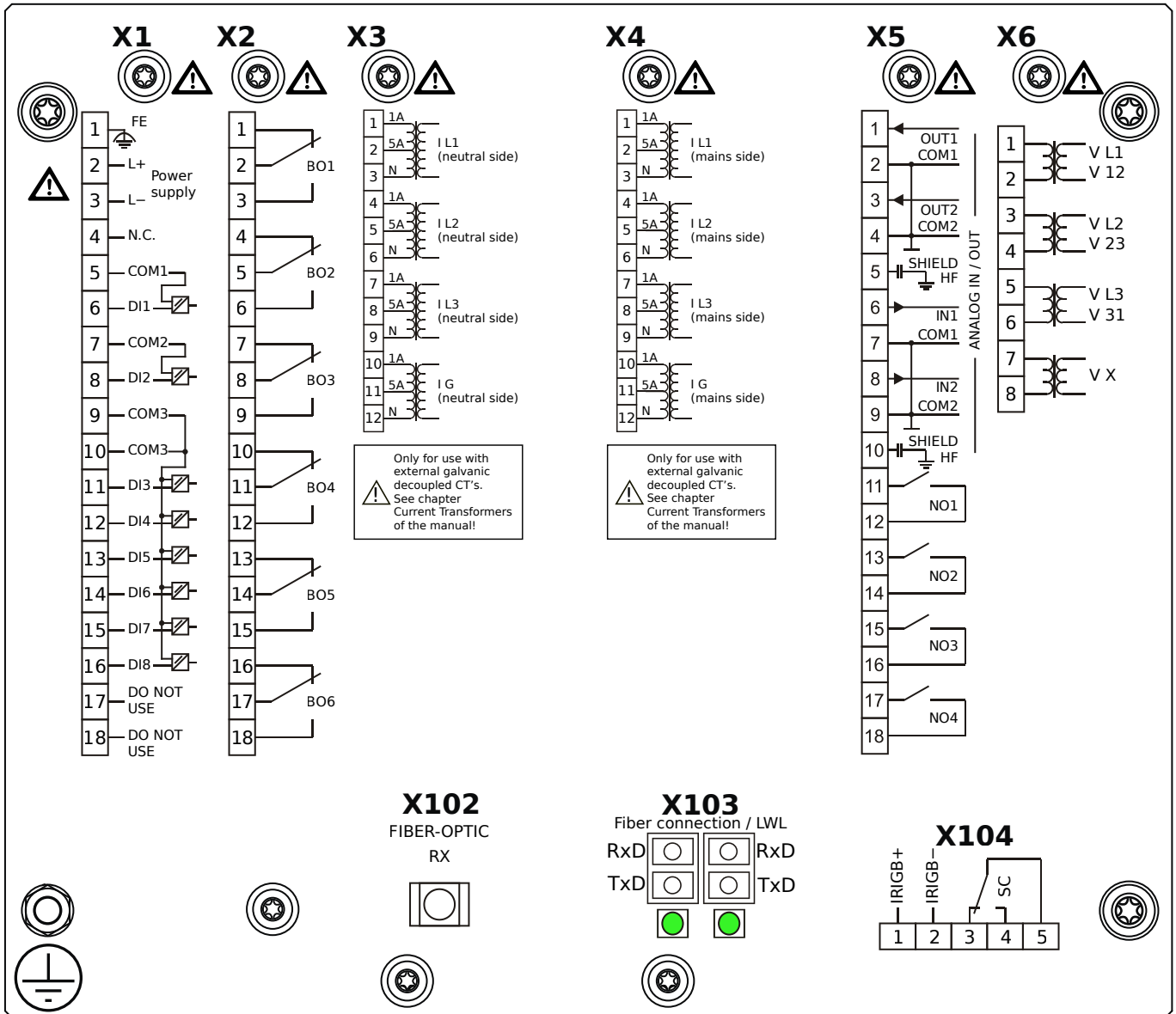
MCDGV4-2B0BQA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B0BQB

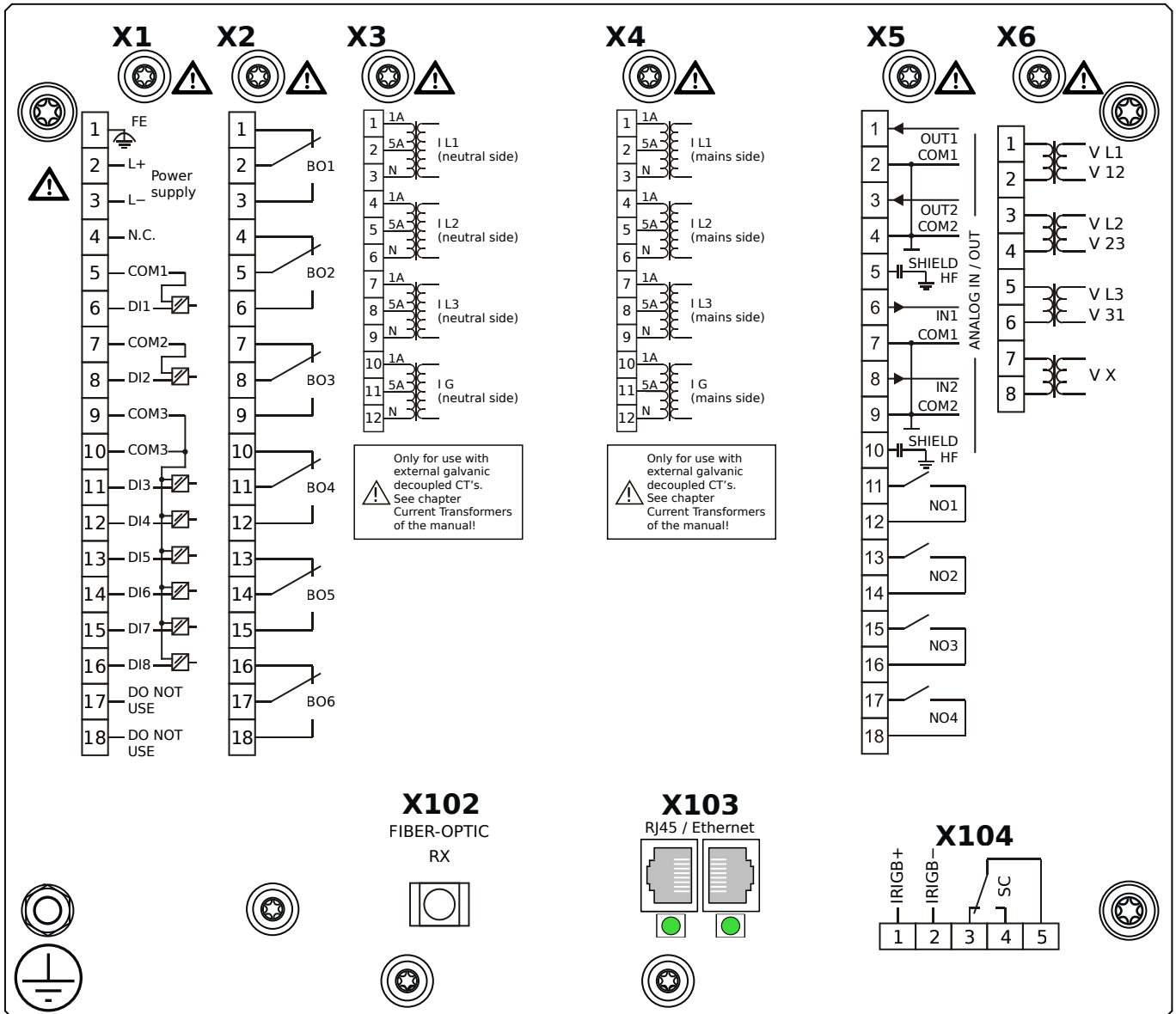


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

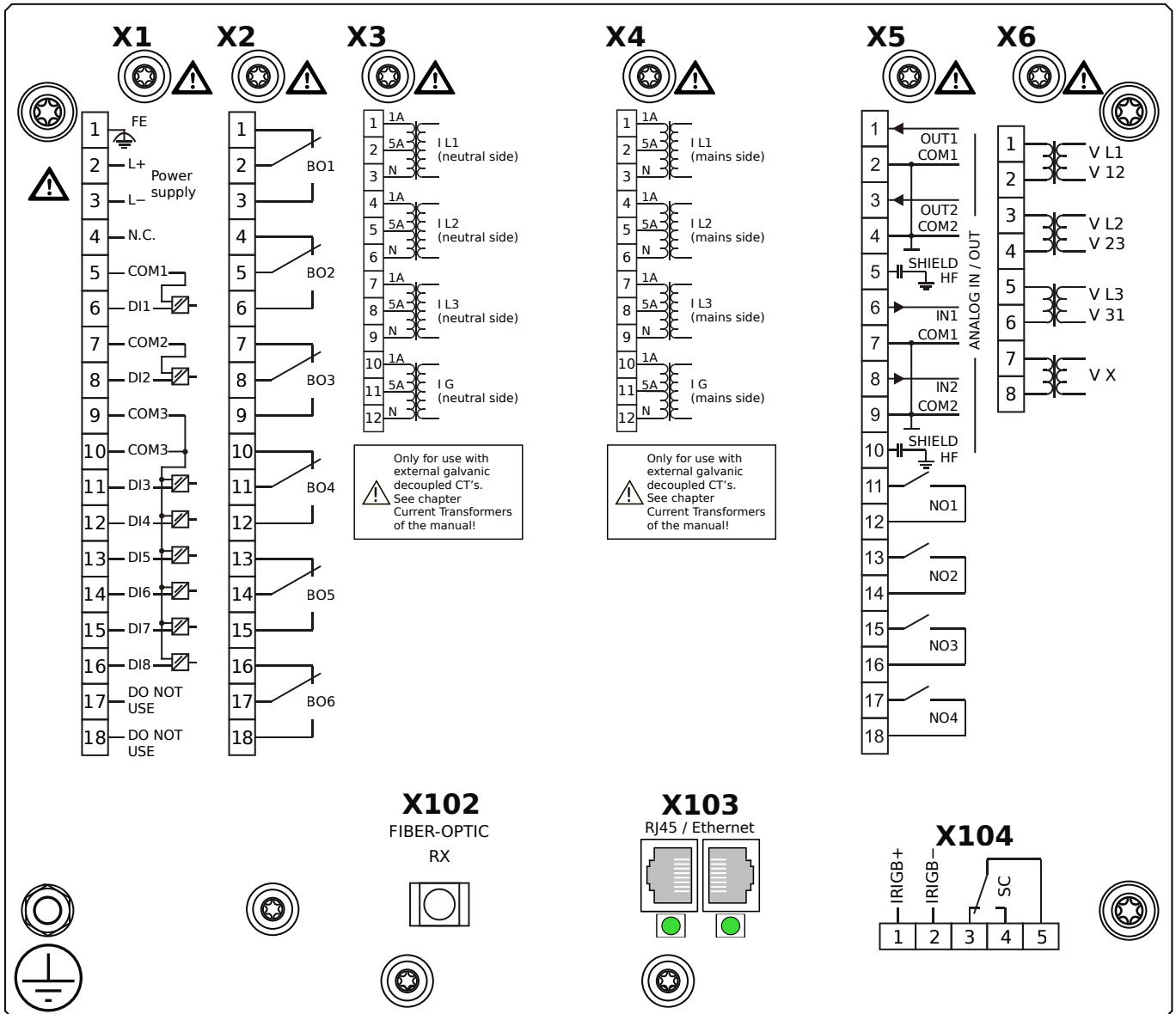
MCDGV4-2B0BRA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B0BRB



Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TI: Standard current measuring card (for the neutral side of the differential protection)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays

X6 – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)

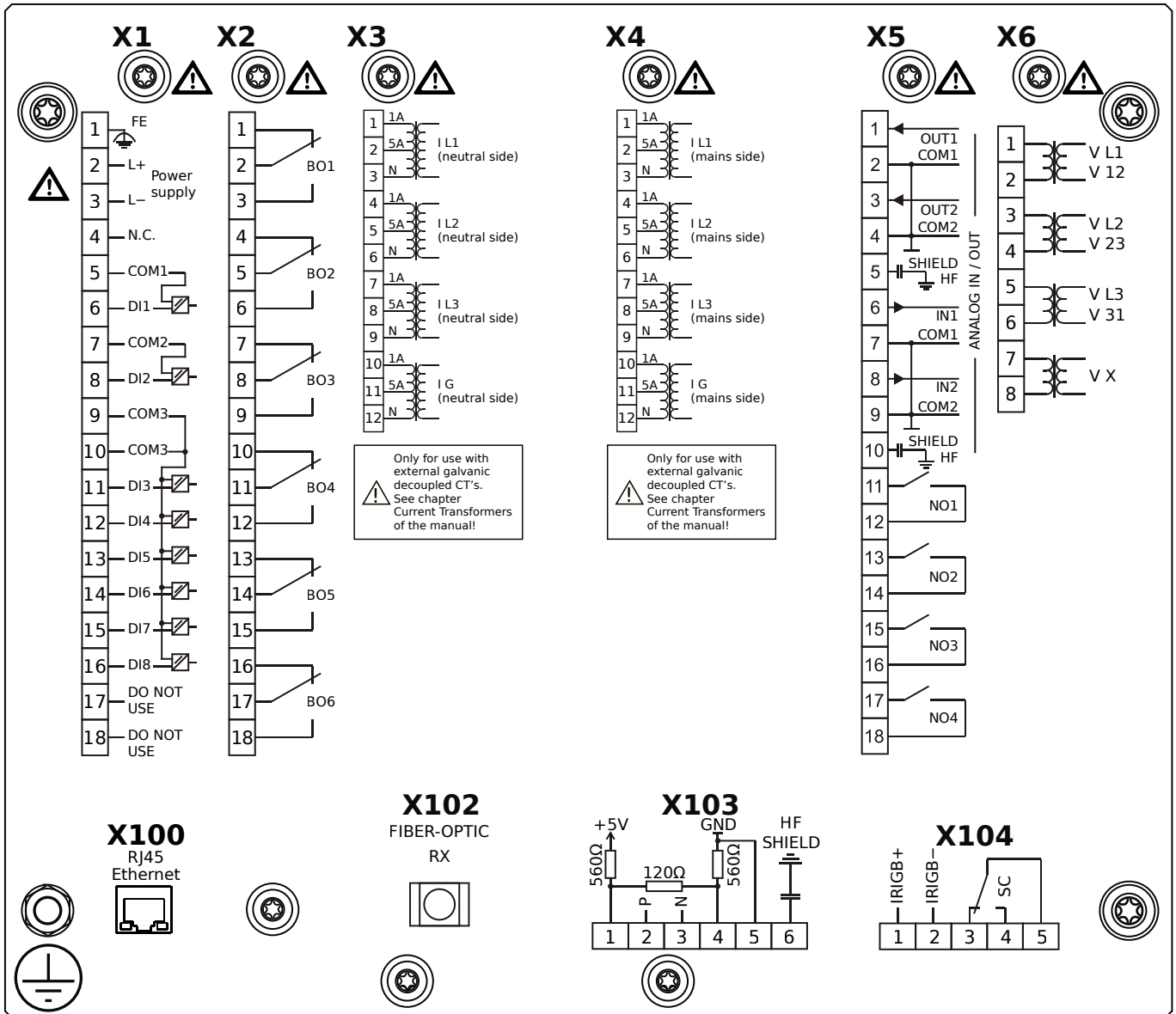
X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45

(BASE100-FX)

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

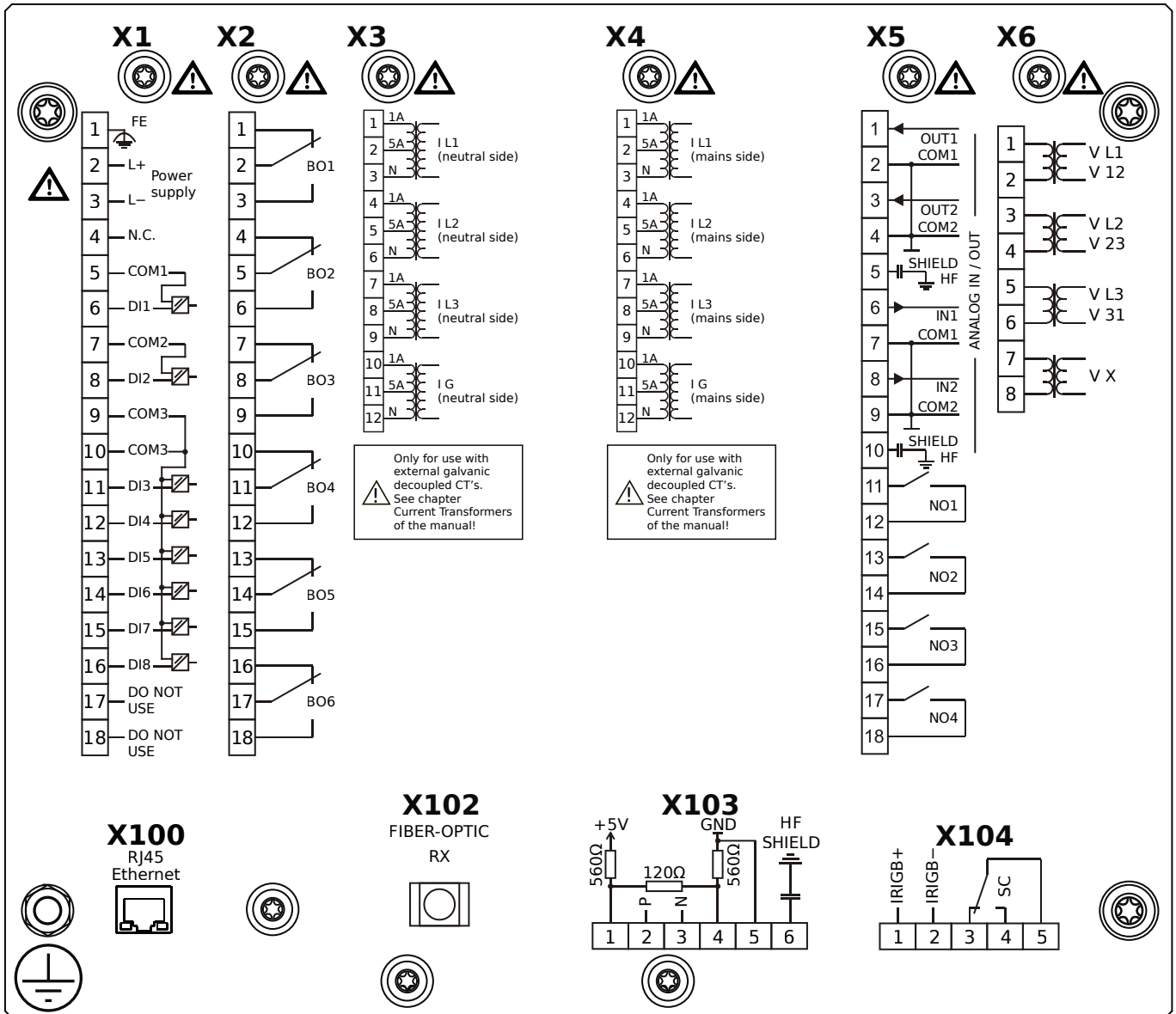
MCDGV4-2B0BTA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IIRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B0BTB



Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TI: Standard current measuring card (for the neutral side of the differential protection)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays

X6 – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)

X100 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-

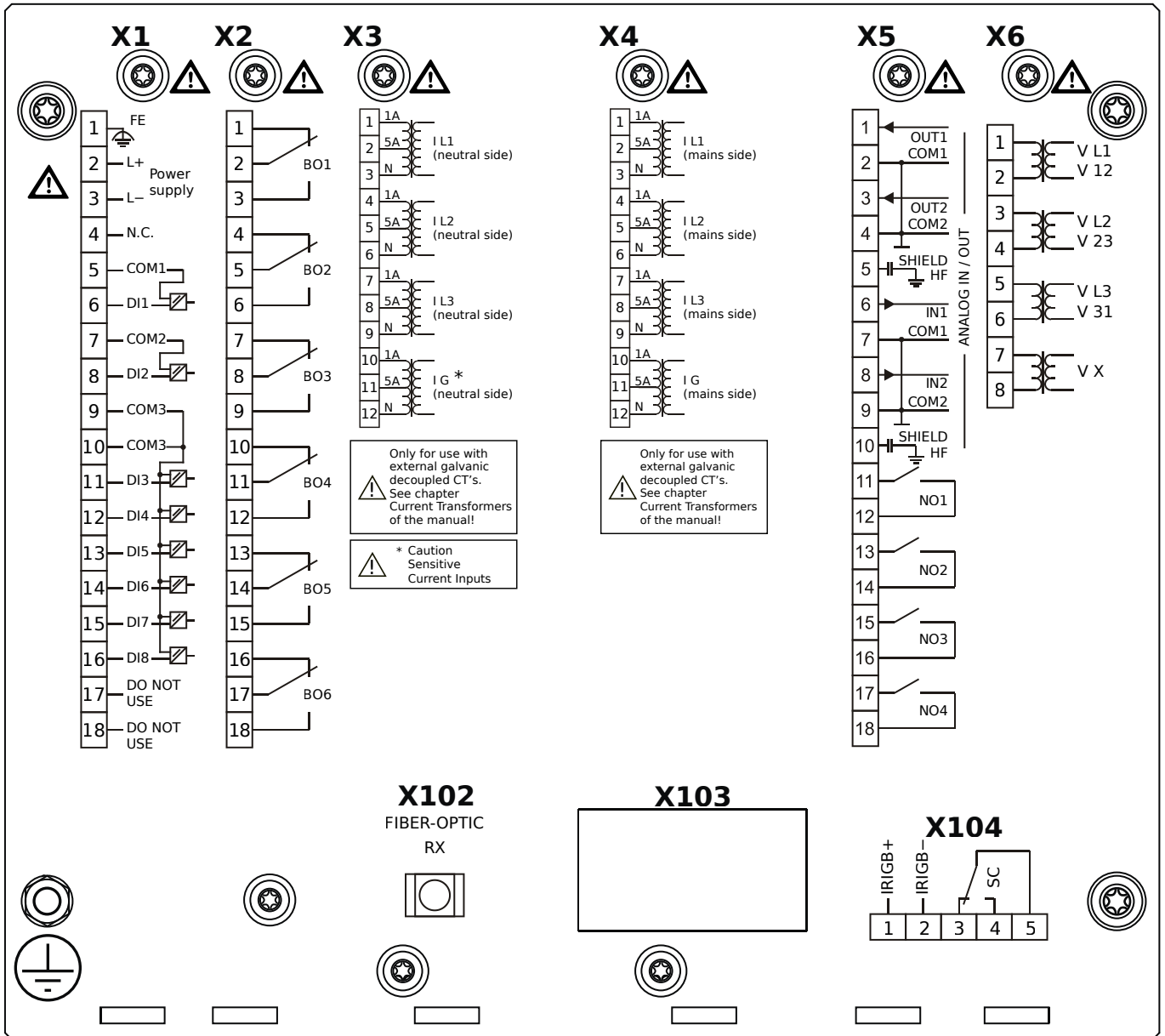
FX)

X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

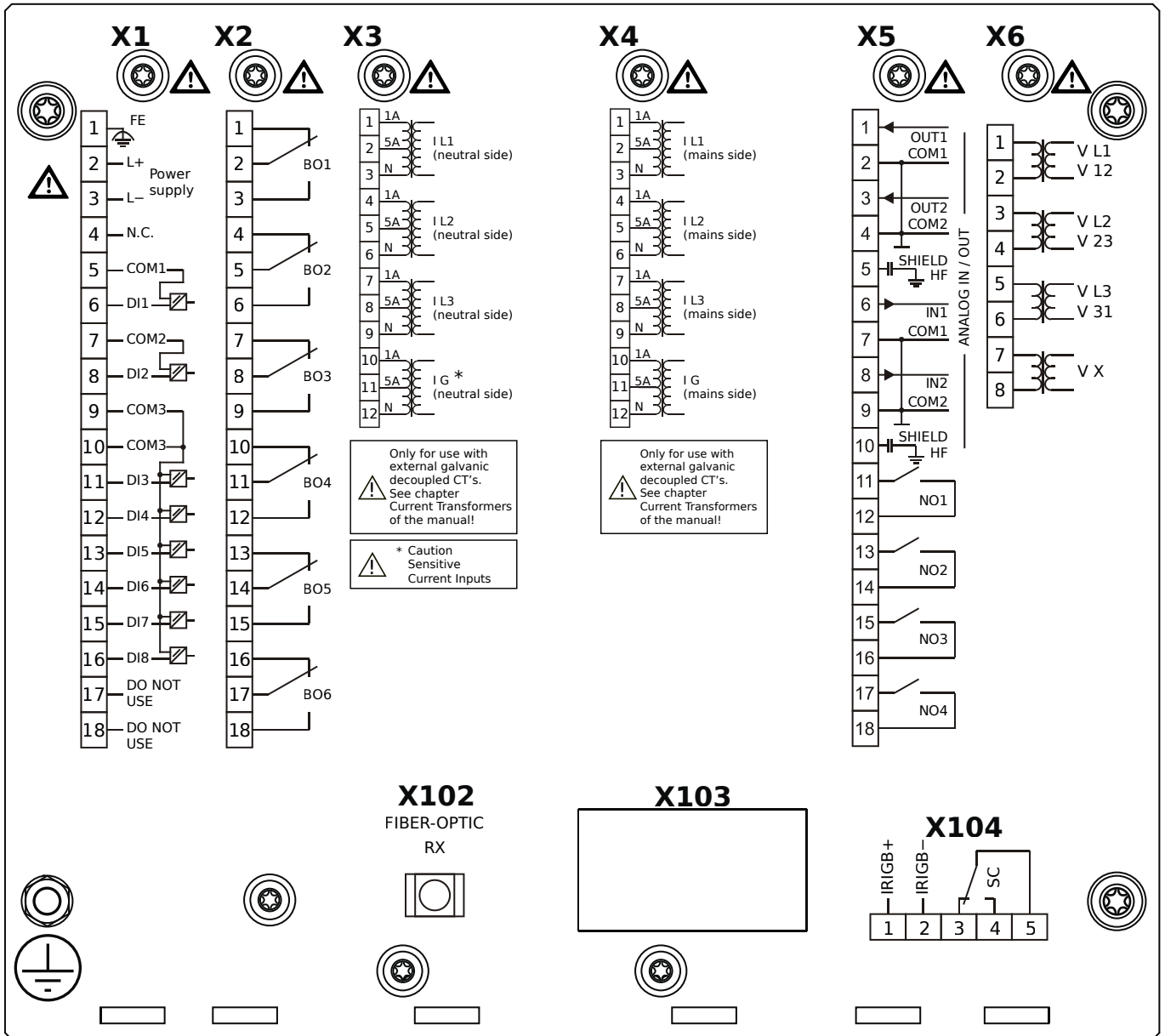
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Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1AAB

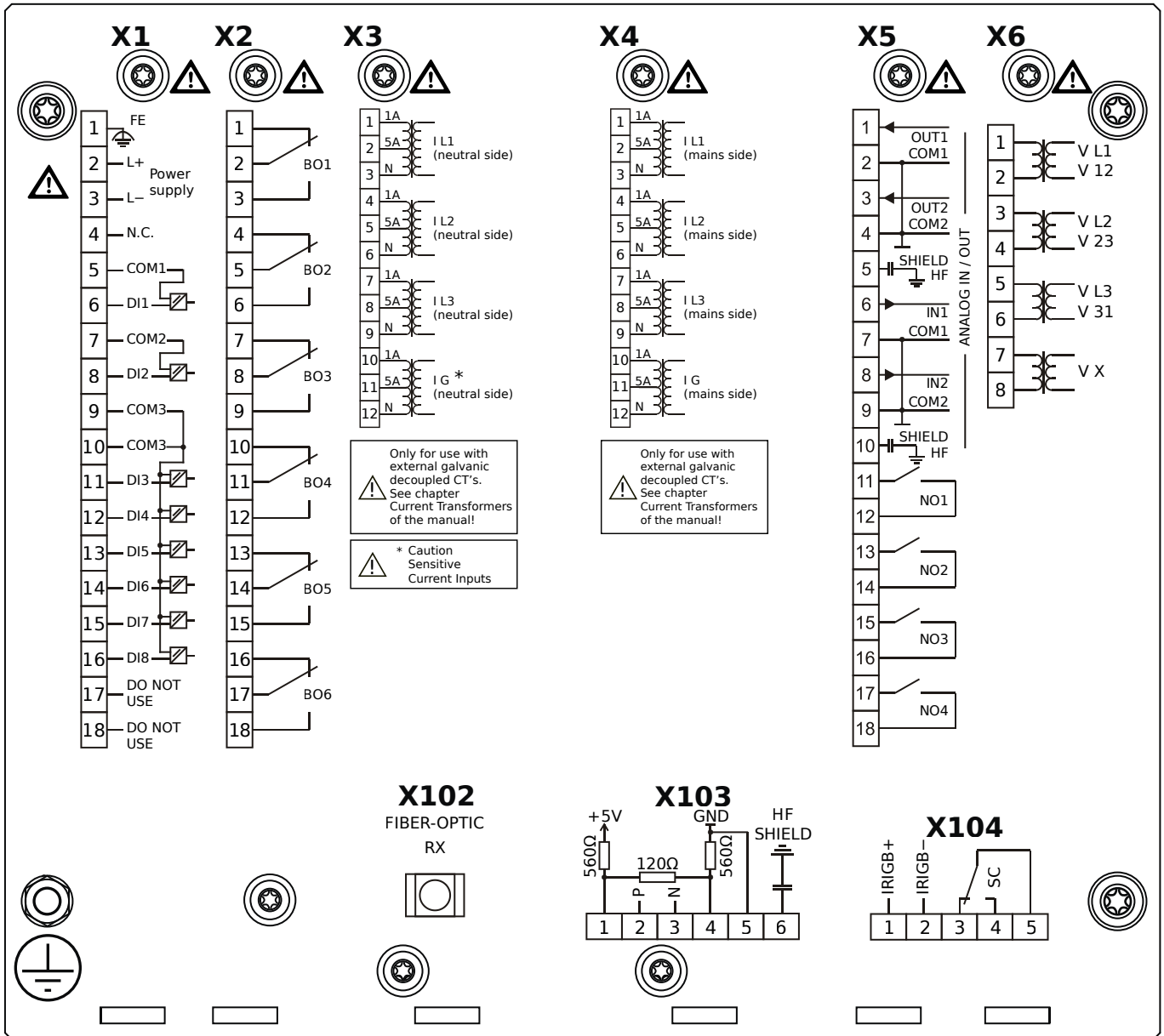


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

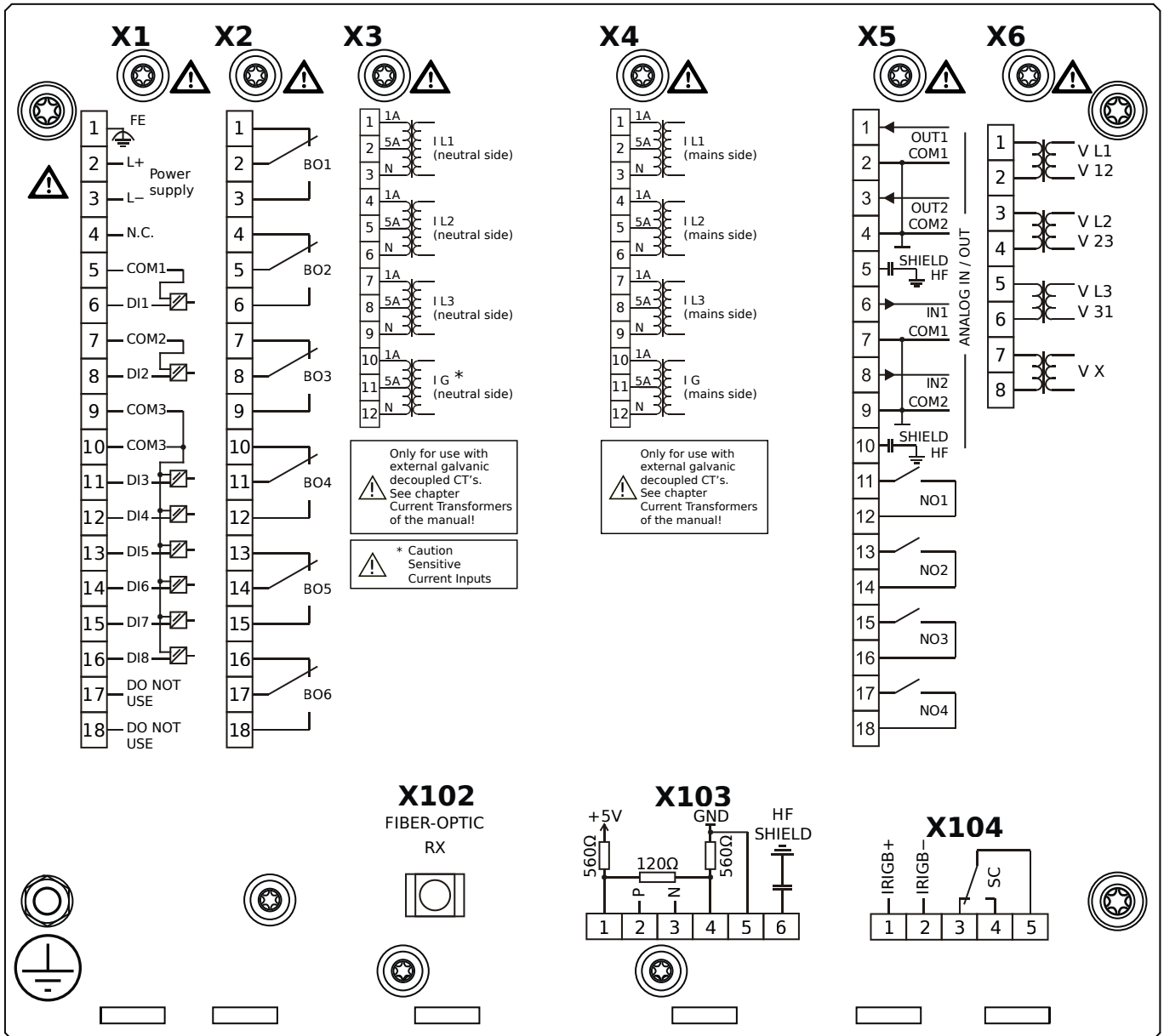
MCDGV4-2B1ABA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1ABB

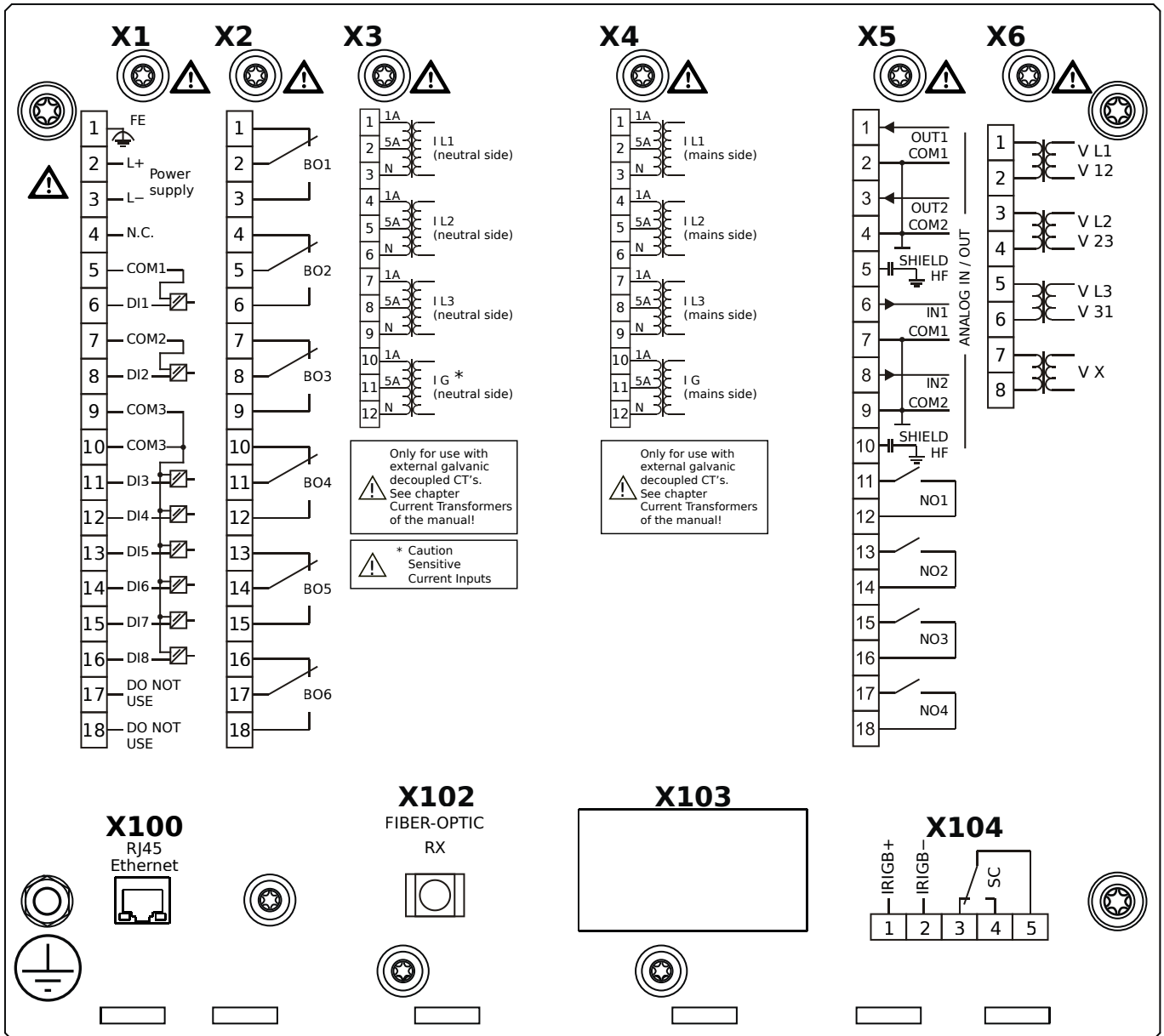


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

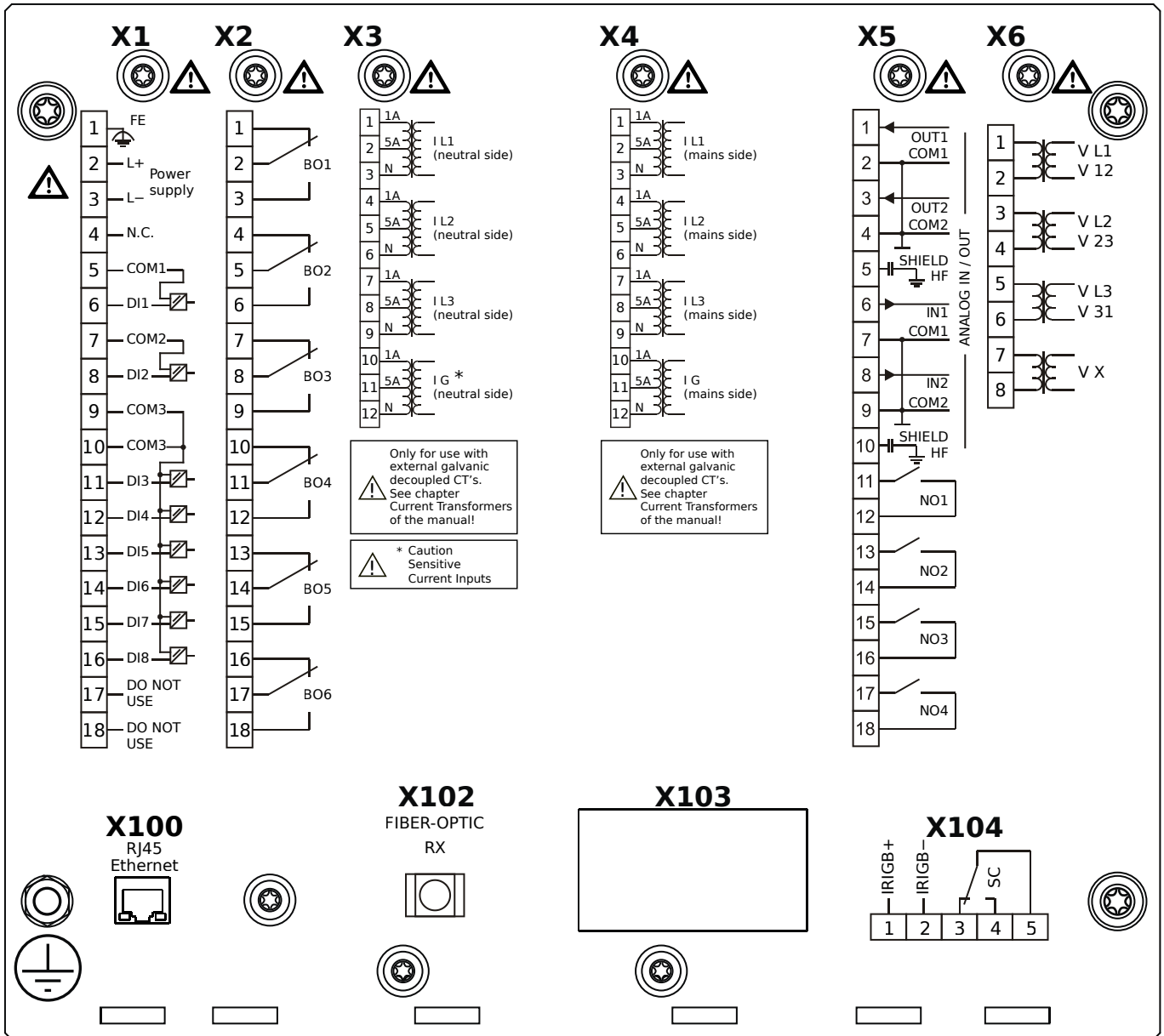
MCDGV4-2B1ACA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1ACB

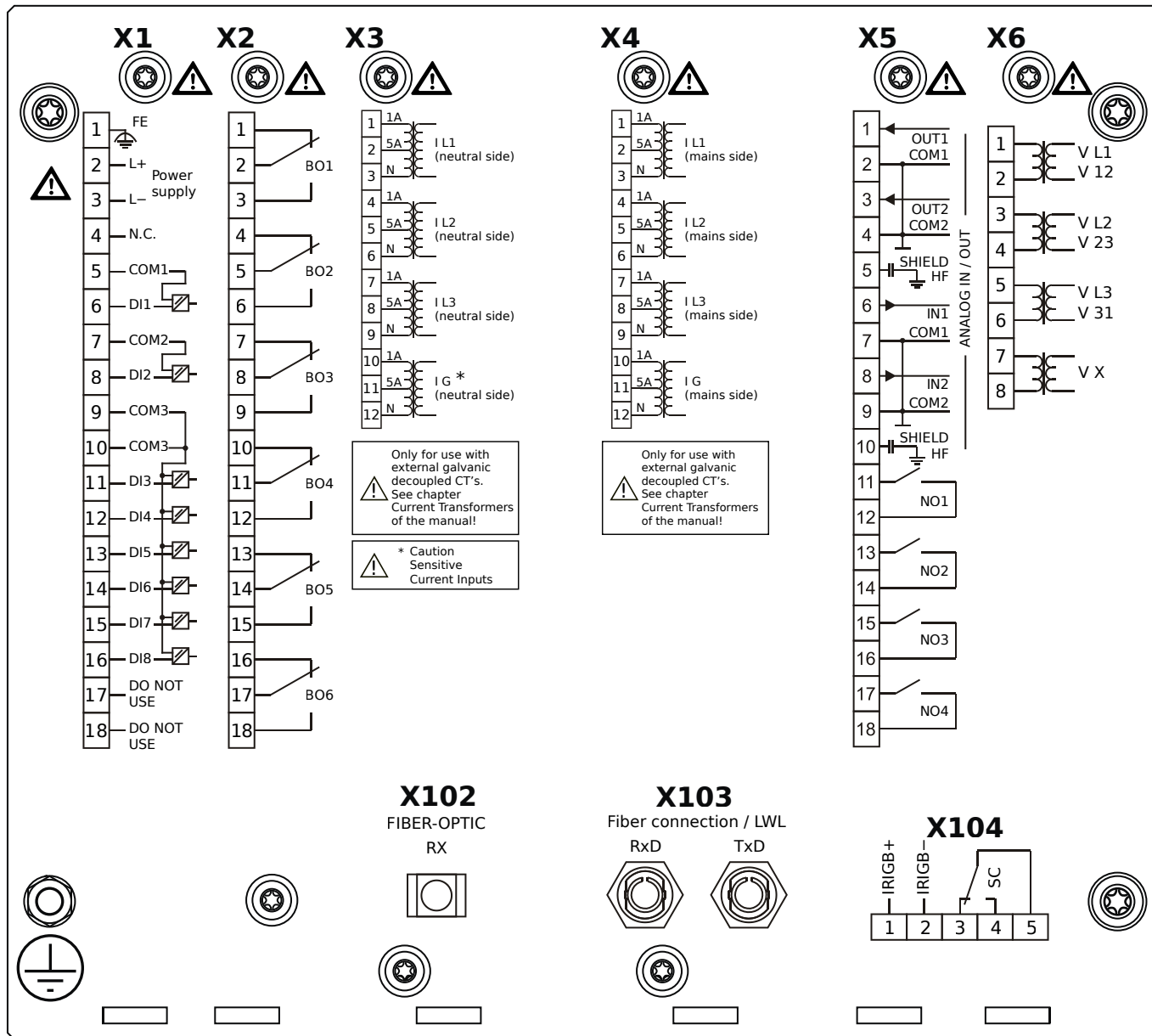


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

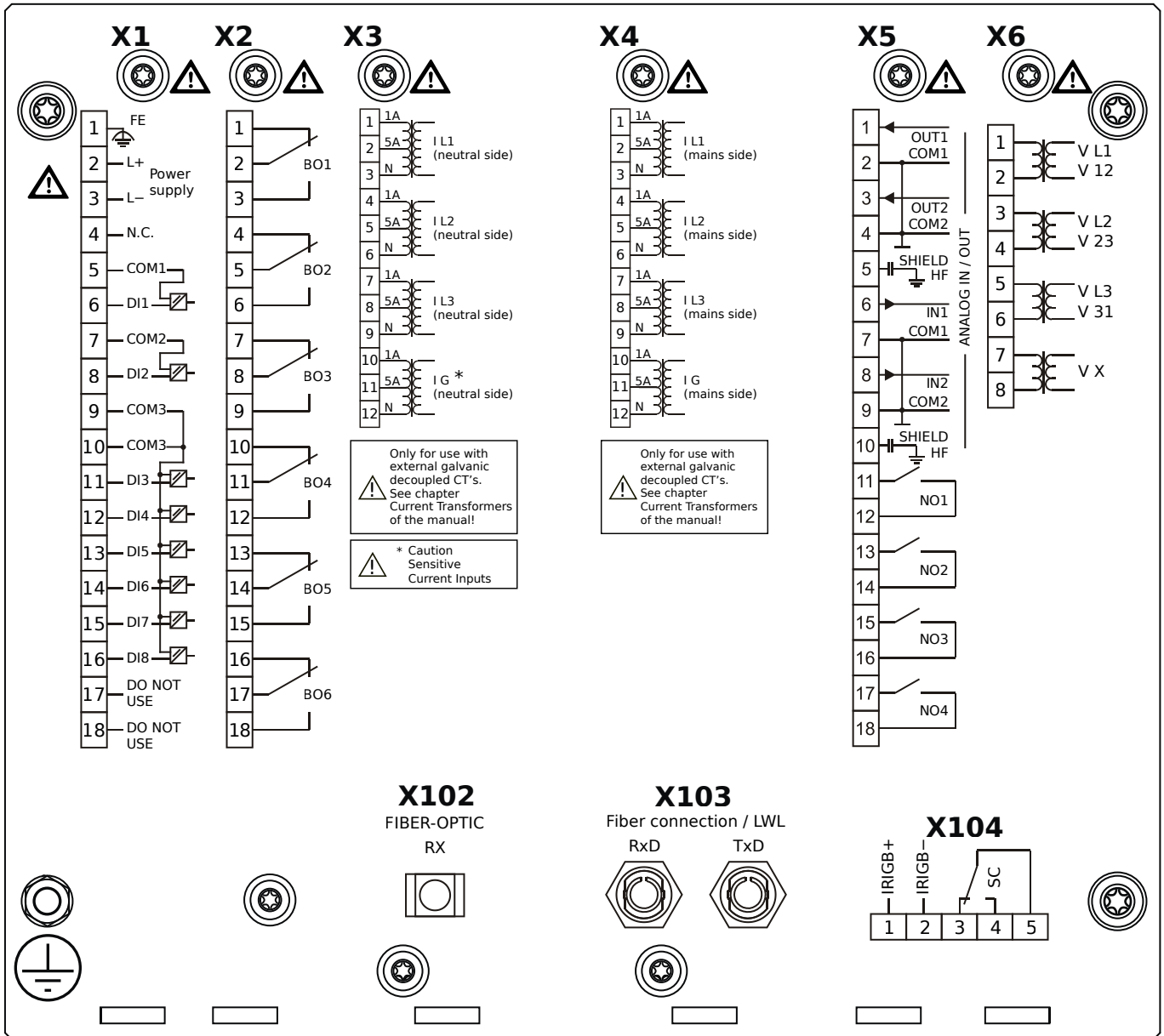
MCDGV4-2B1ADA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1ADB

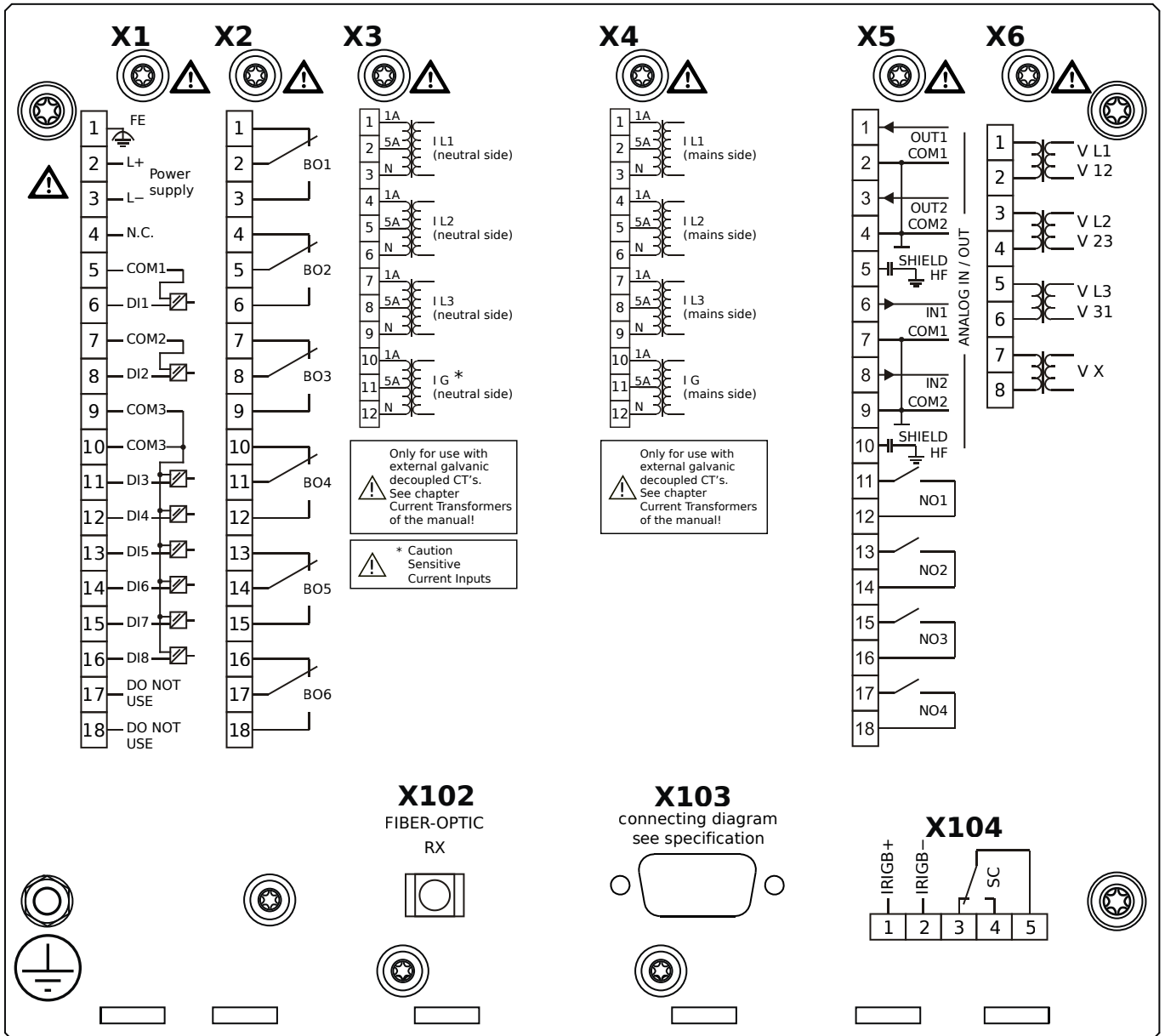


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

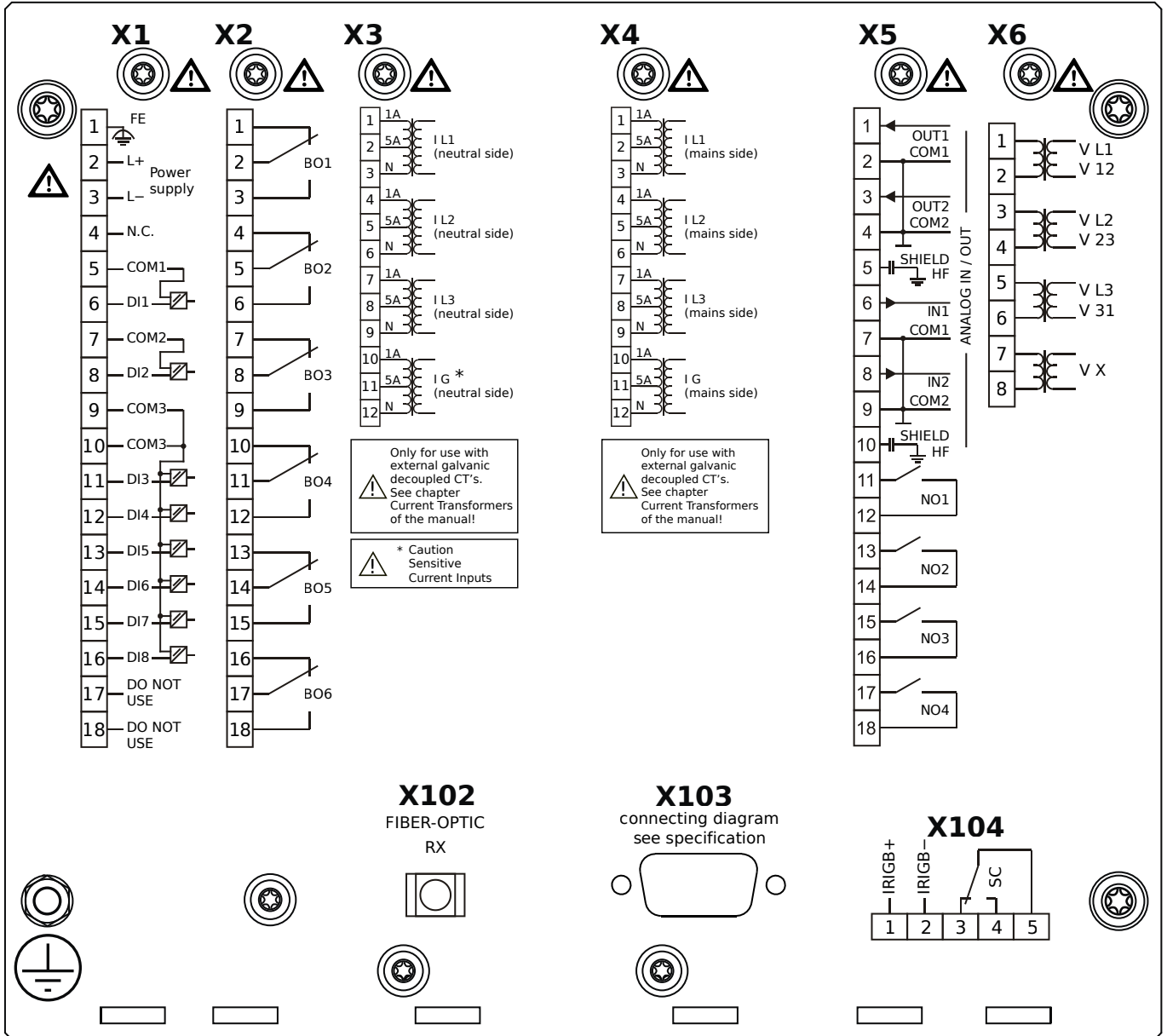
MCDGV4-2B1AEA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1AEB

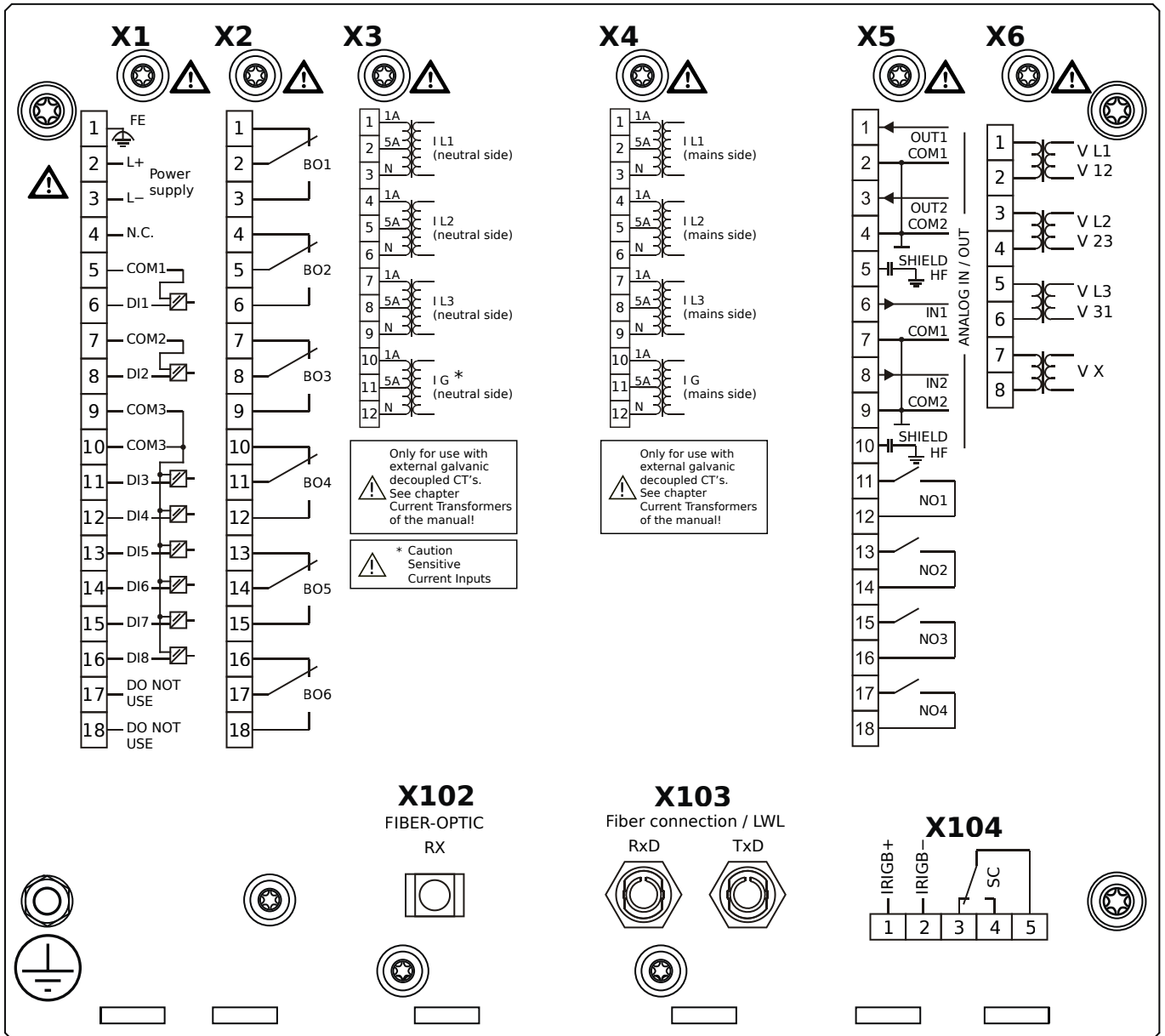


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

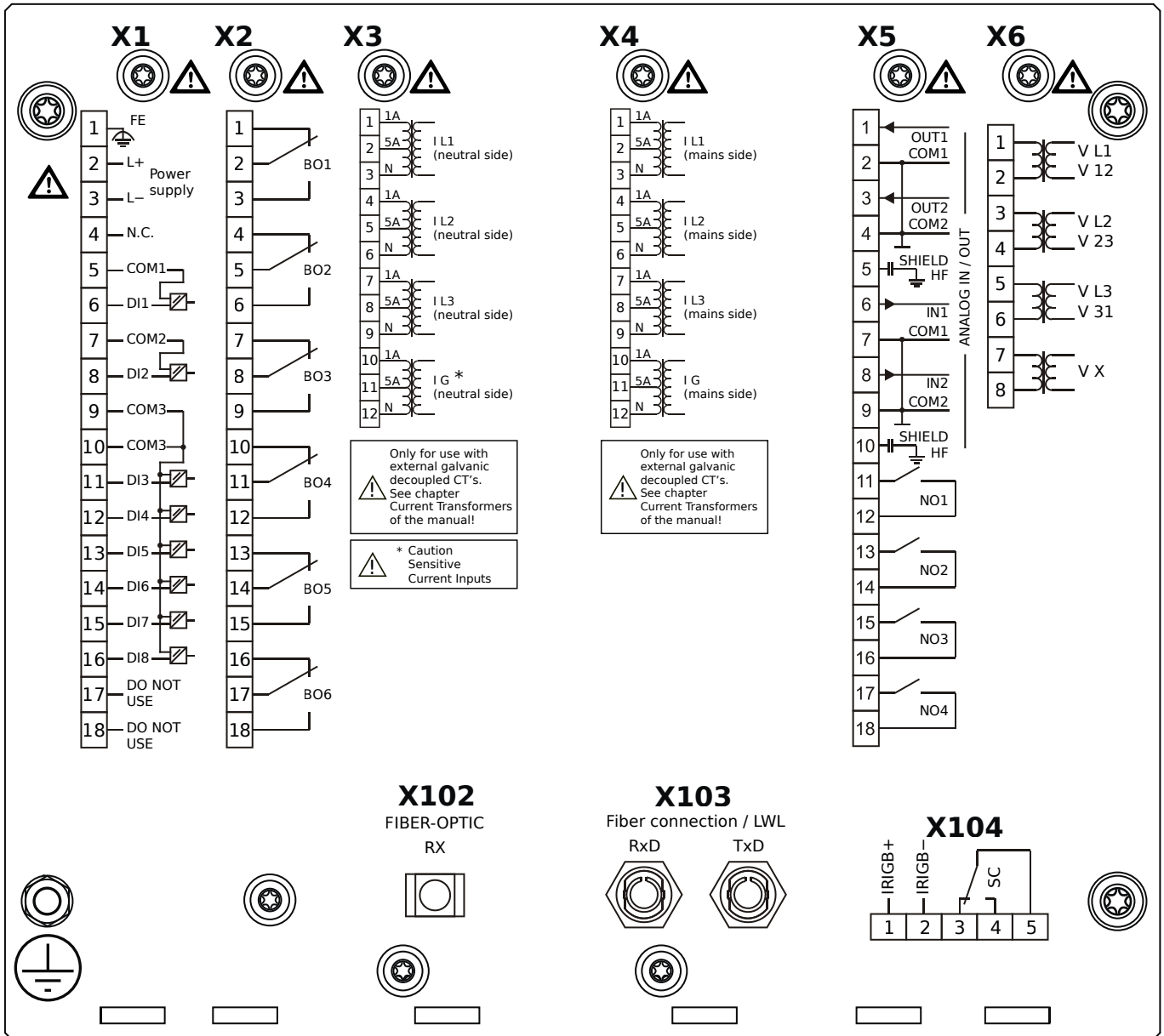
MCDGV4-2B1AFA



Housing B2, large display, door mounting

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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1AFB

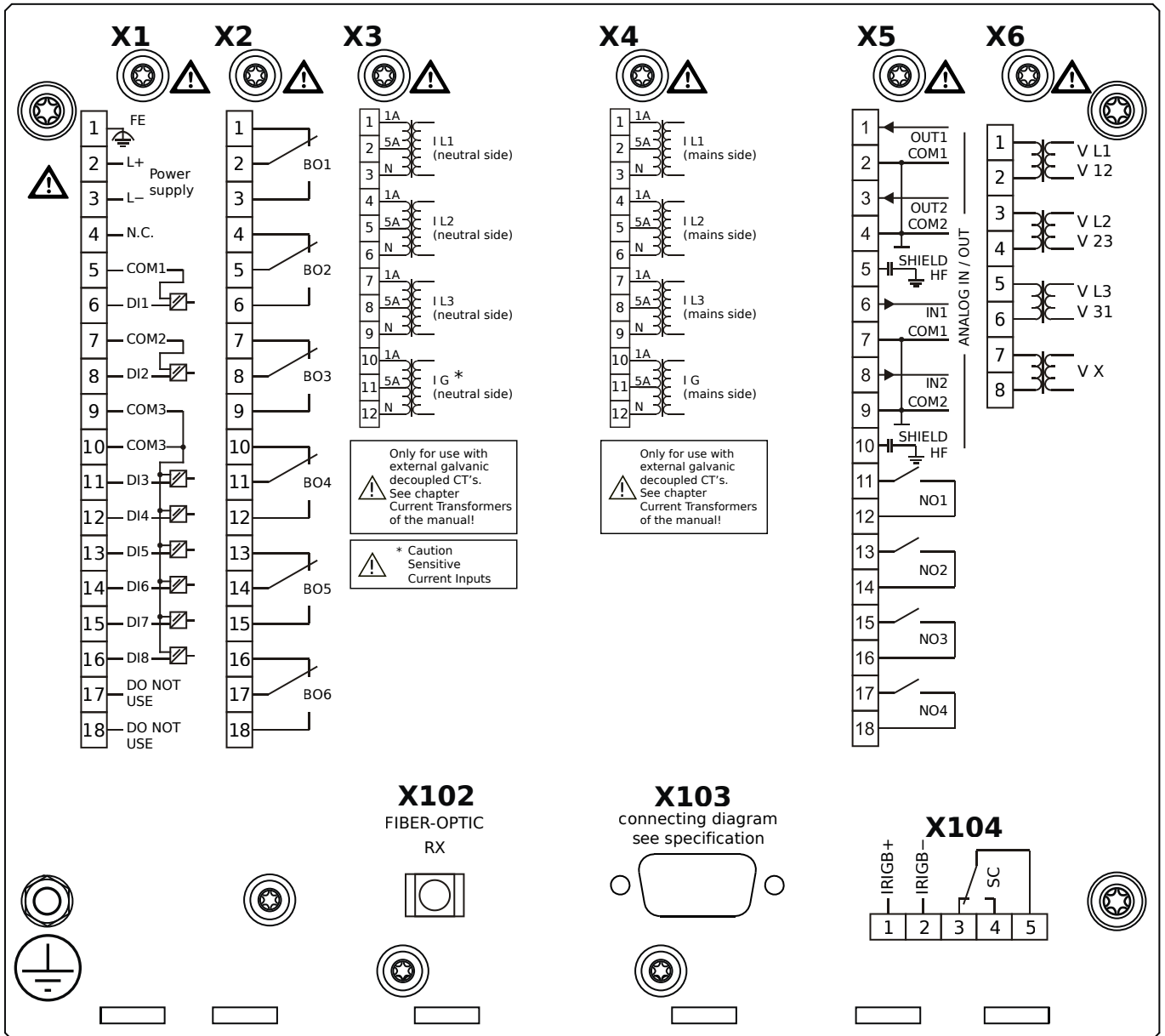


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

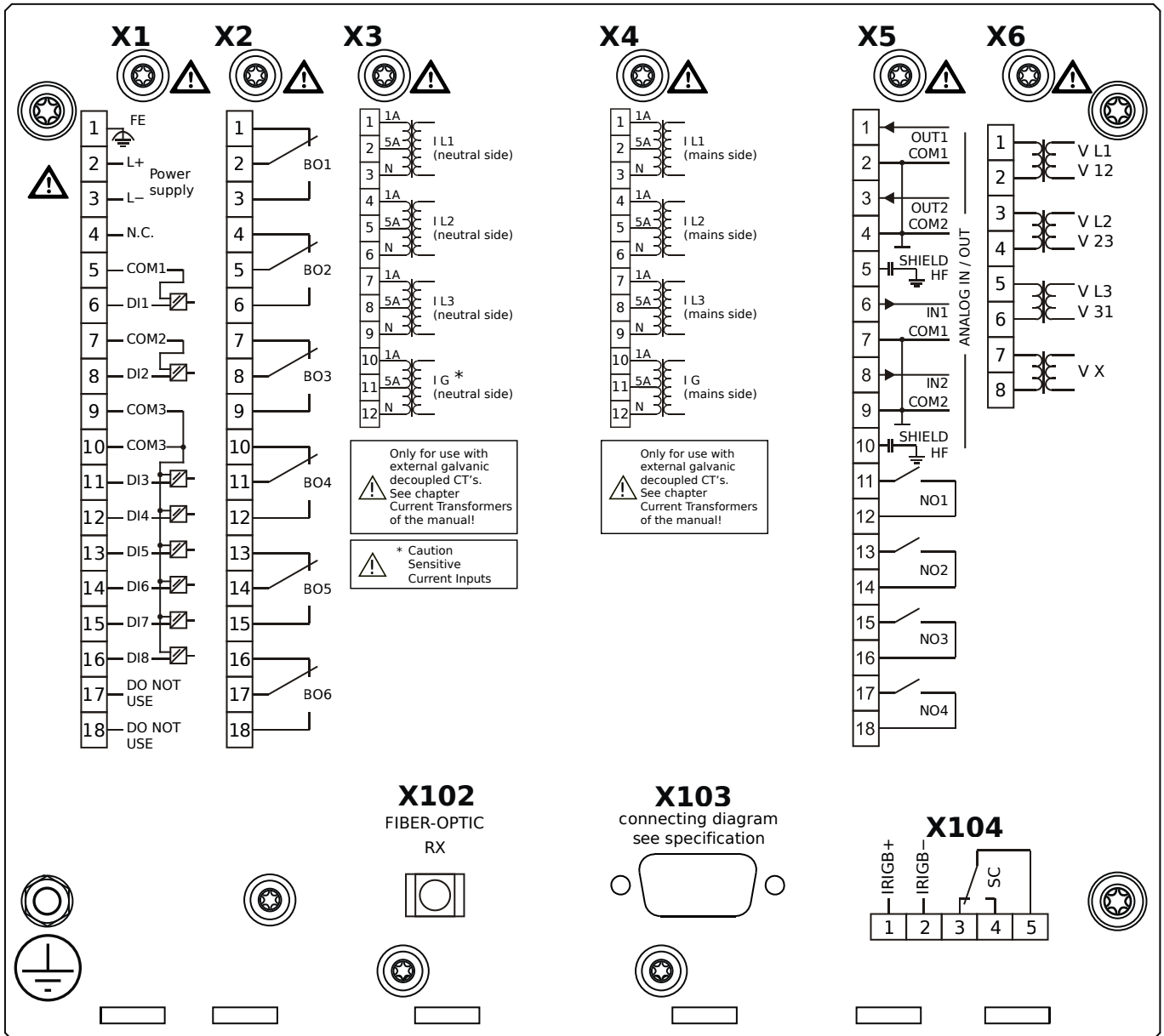
MCDGV4-2B1AGA



Housing B2, large display, door mounting

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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1AGB

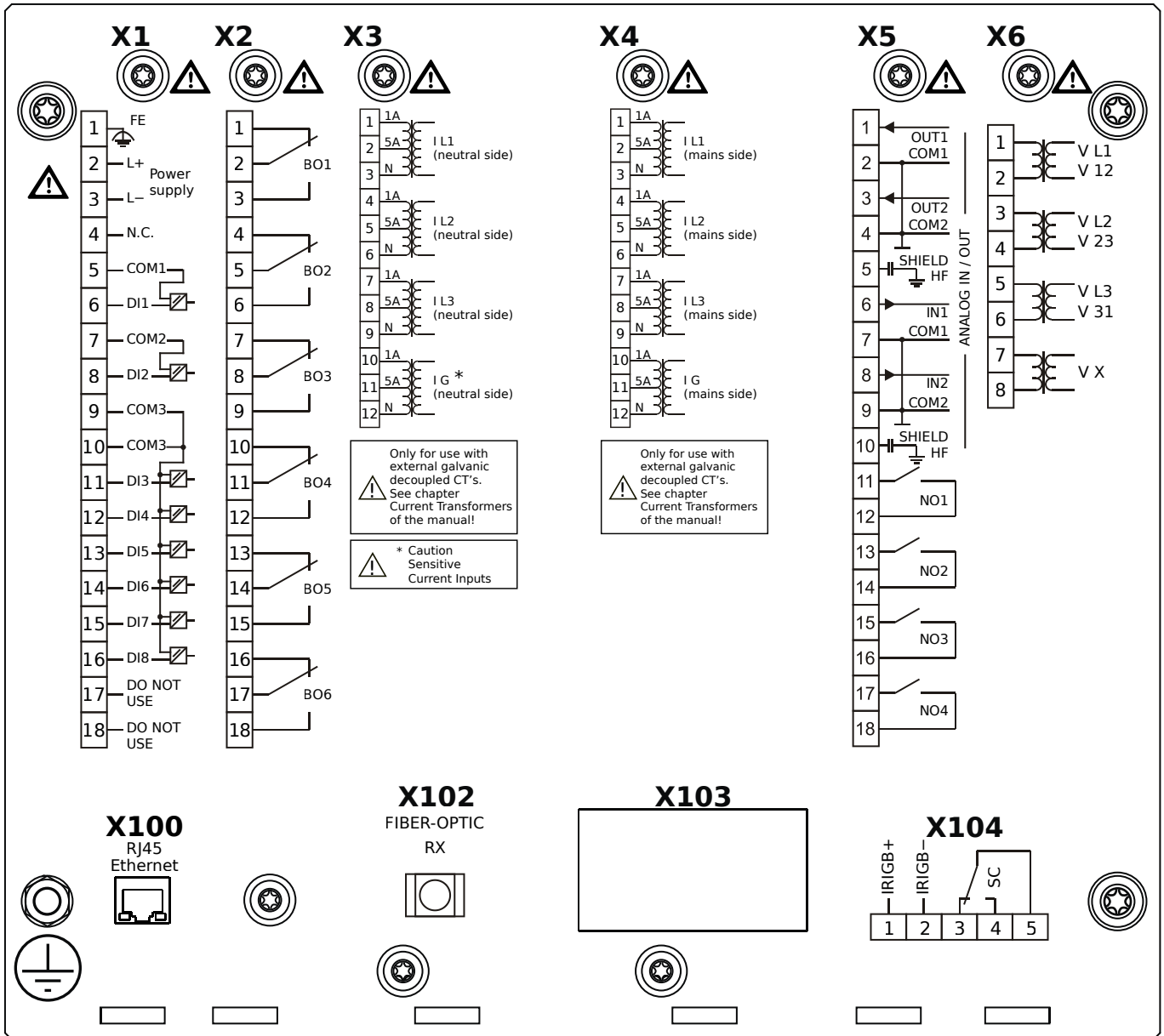


Housing B2, large display, door mounting

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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

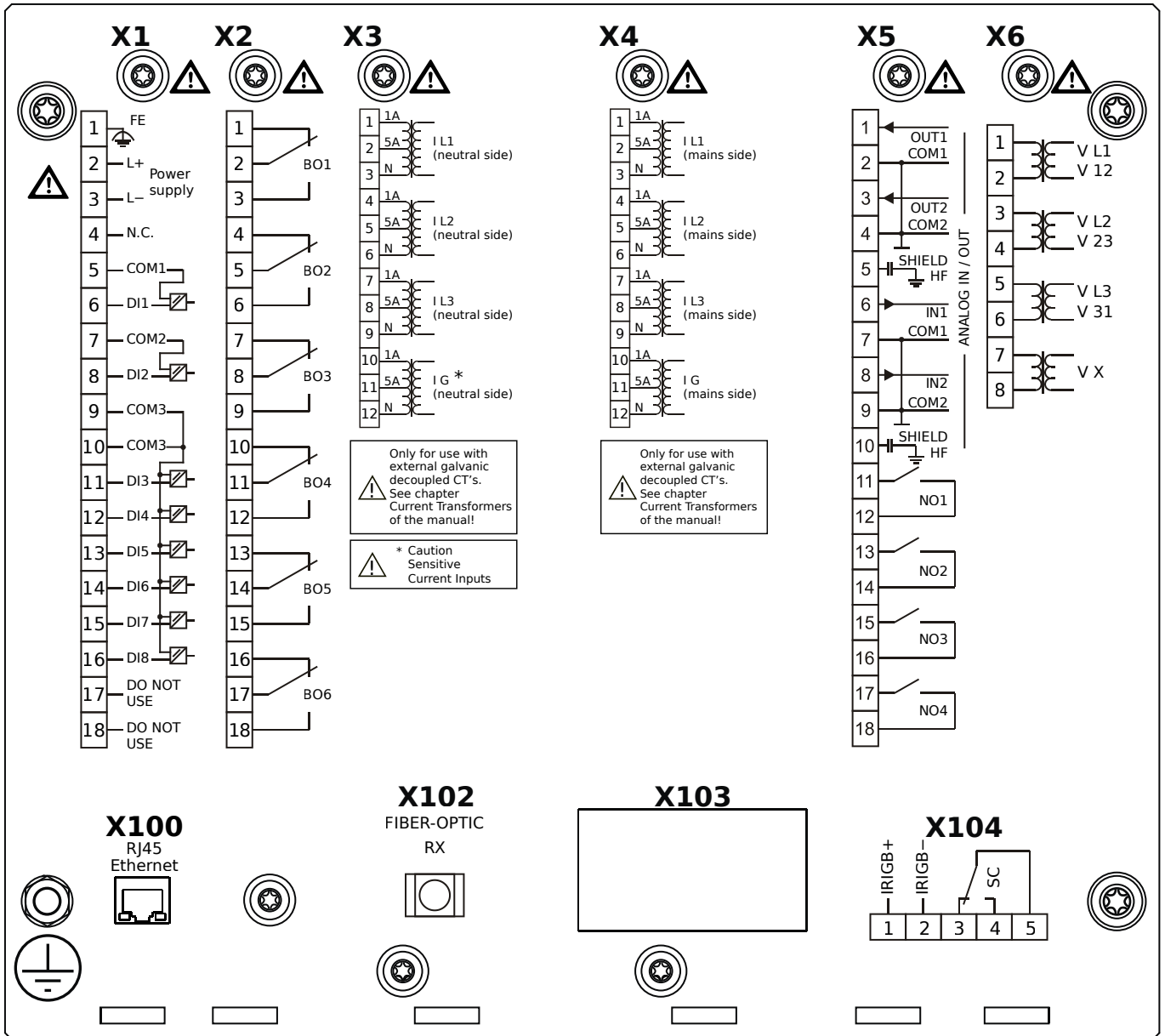
MCDGV4-2B1AHA



Housing B2, large display, door mounting

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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1AHB



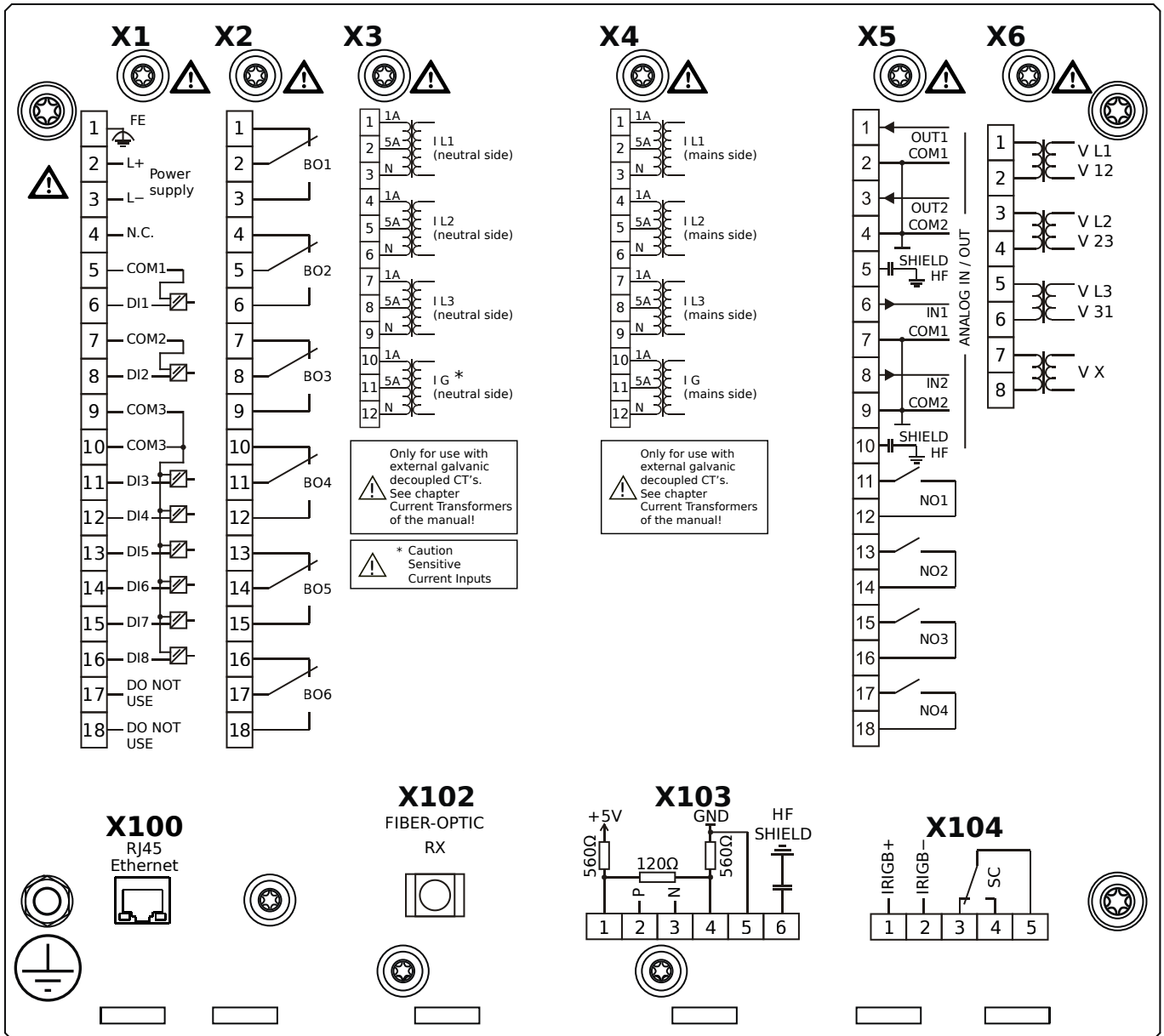
Housing B2, large display, door mounting

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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

FX)

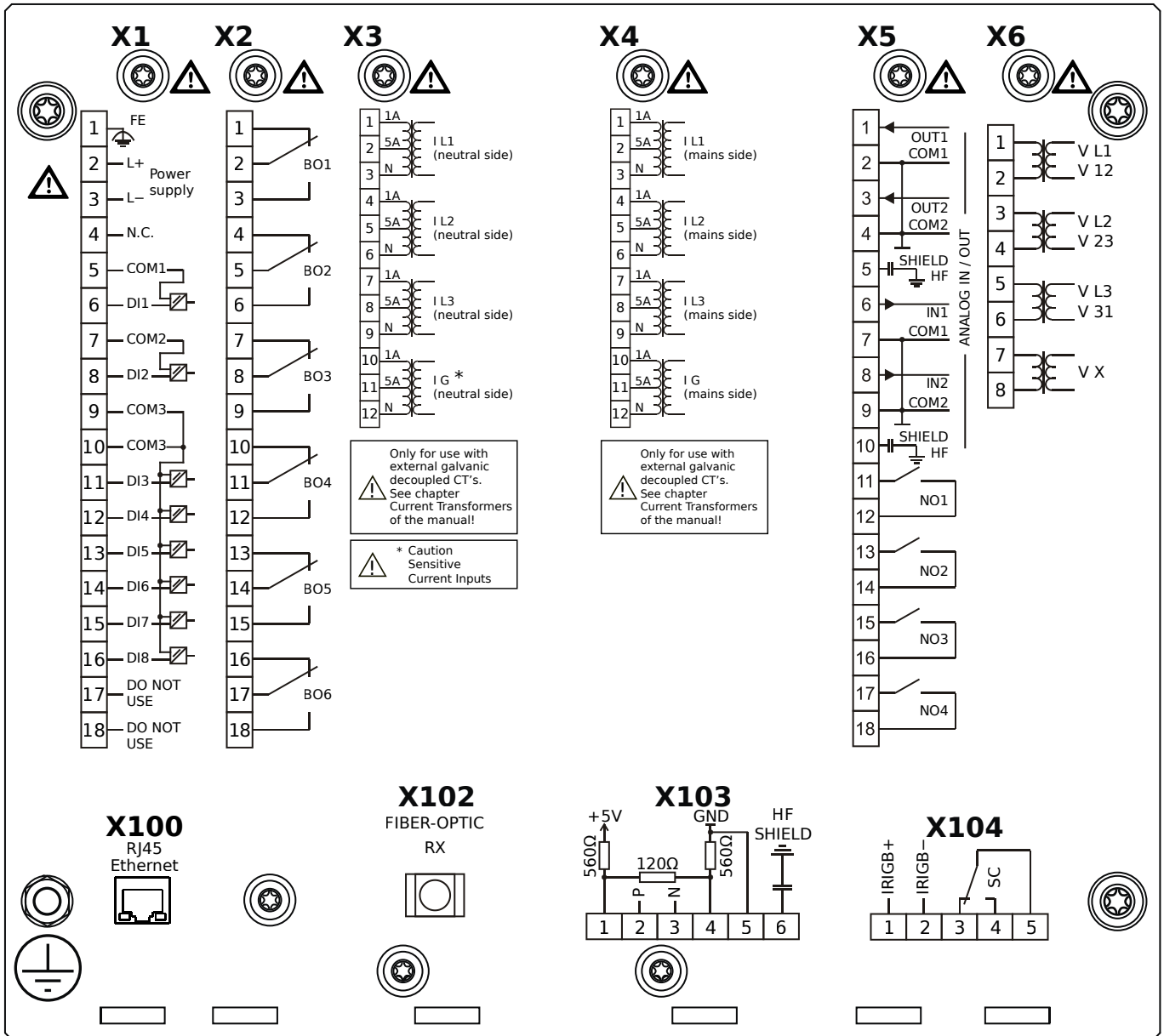
MCDGV4-2B1AIA



Housing B2, large display, door mounting

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- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1AIB

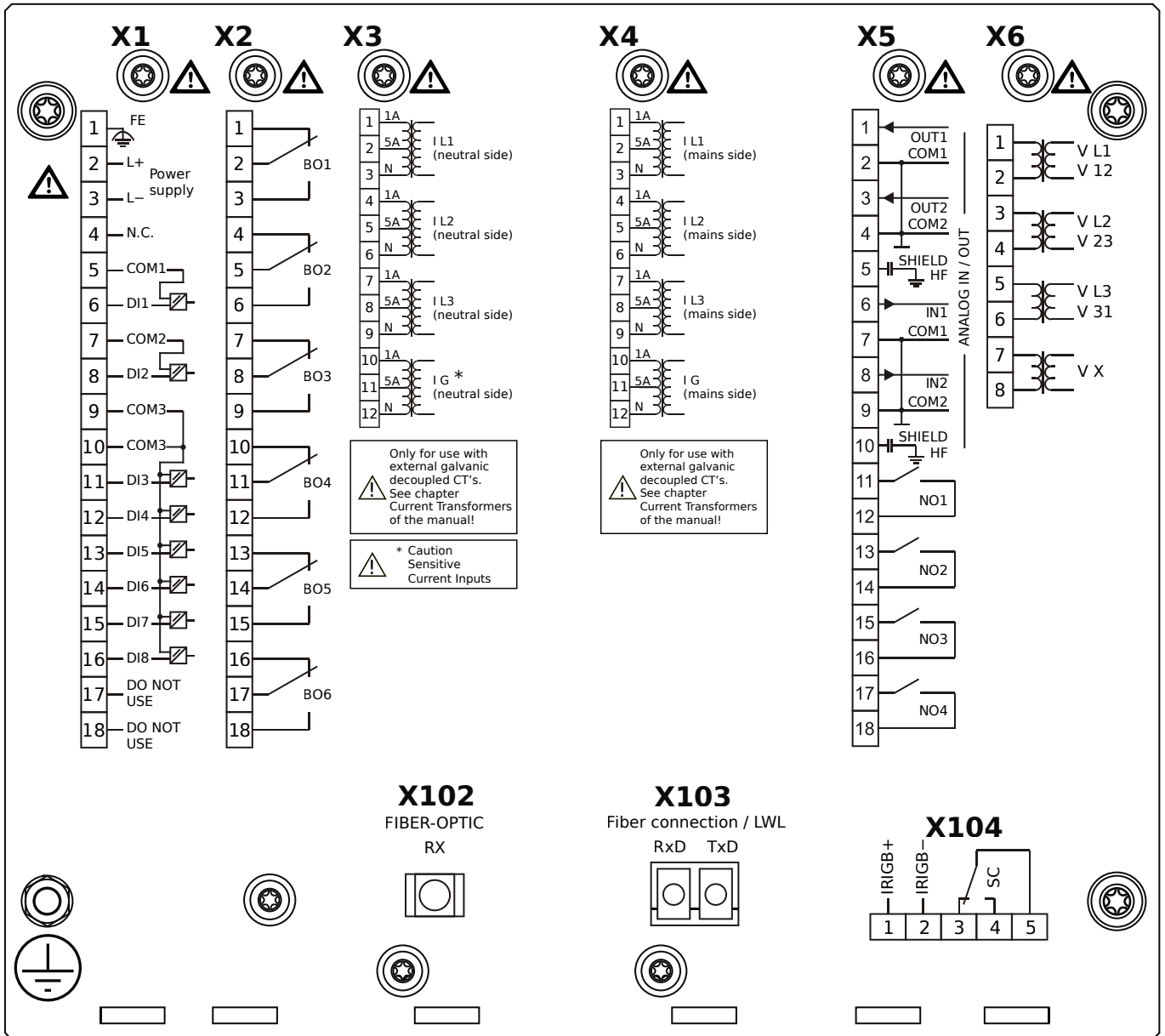


Housing B2, large display, door mounting

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- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

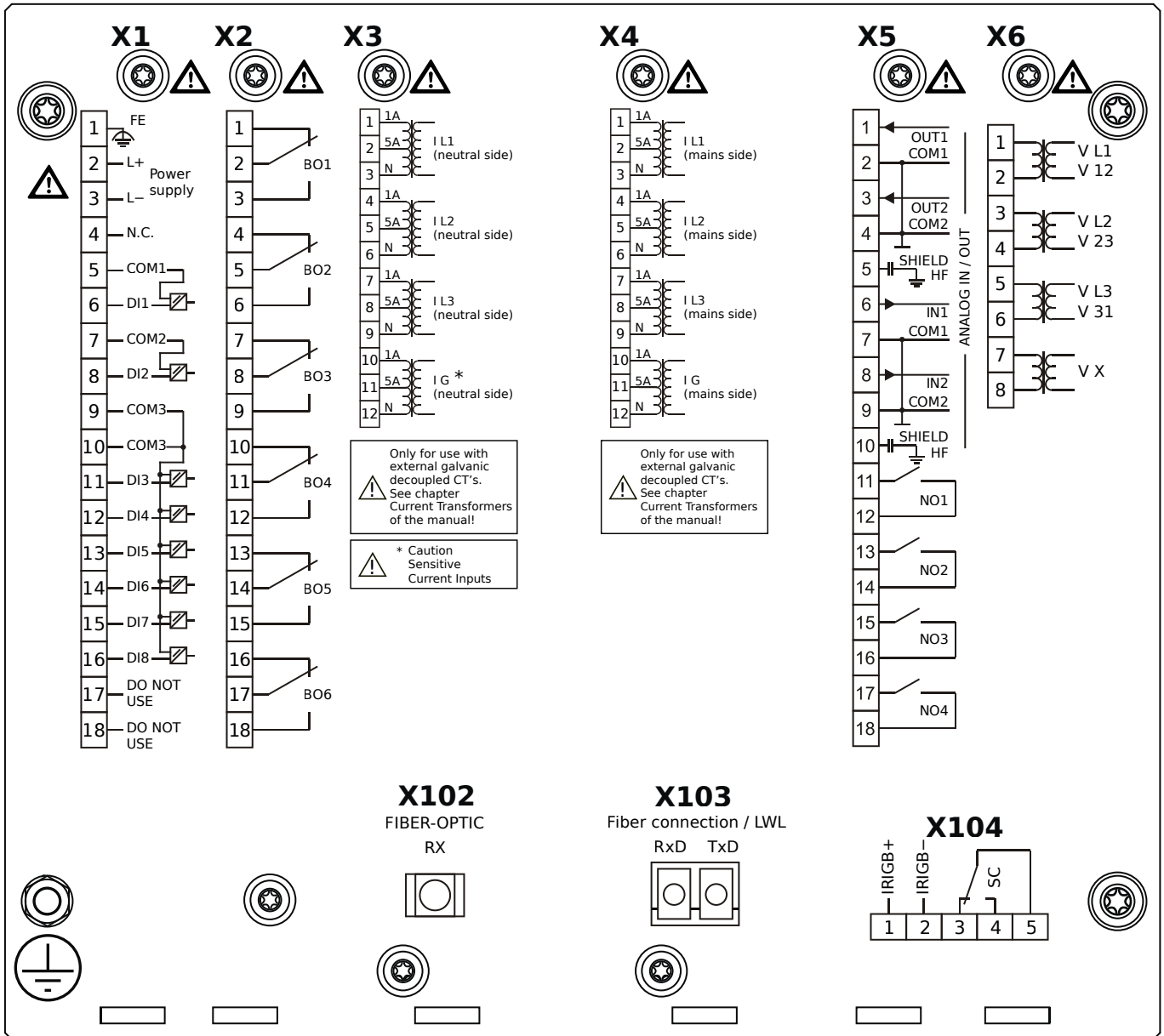
MCDGV4-2B1AKA



Housing B2, large display, door mounting

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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1AKB

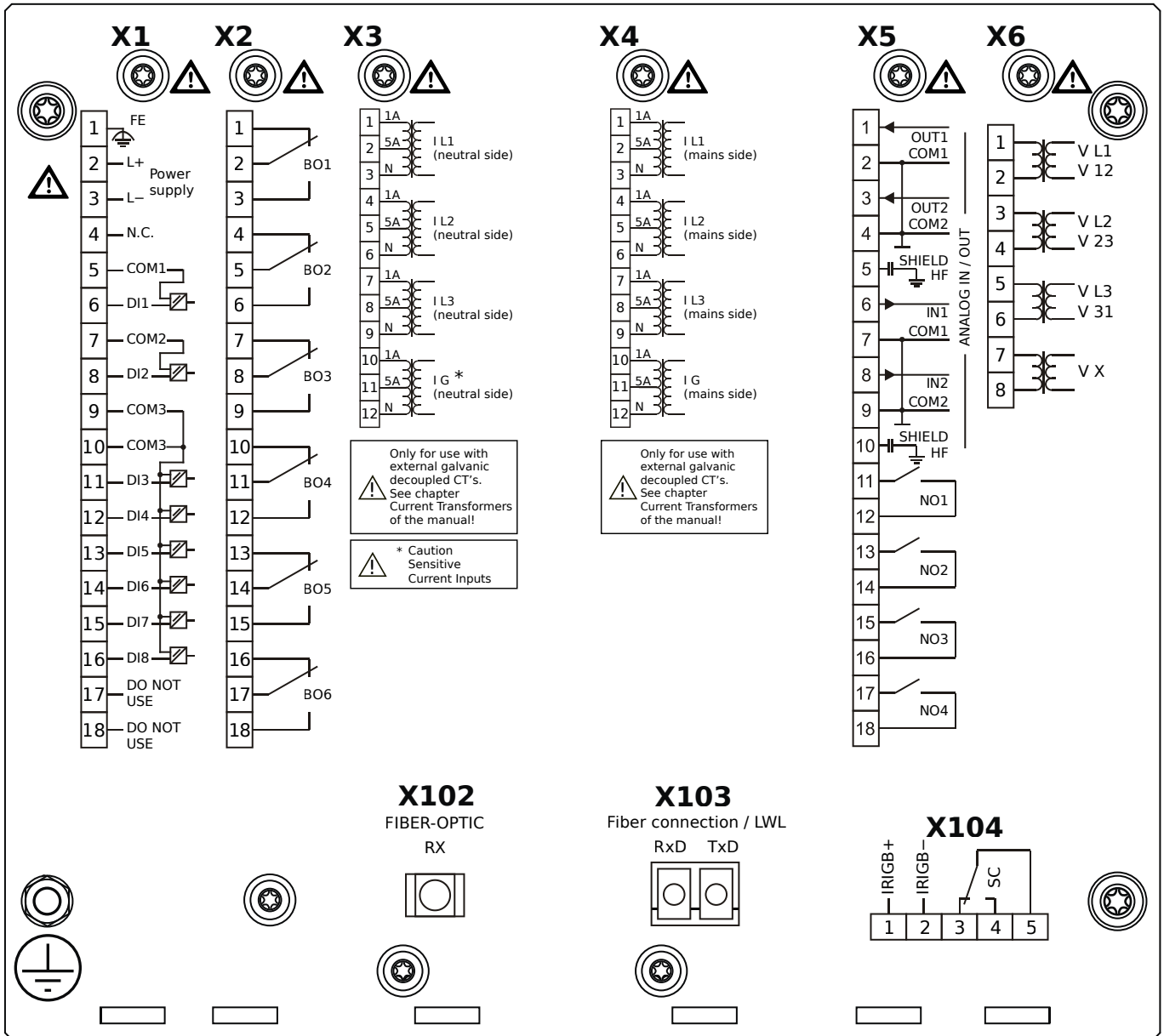


Housing B2, large display, door mounting

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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

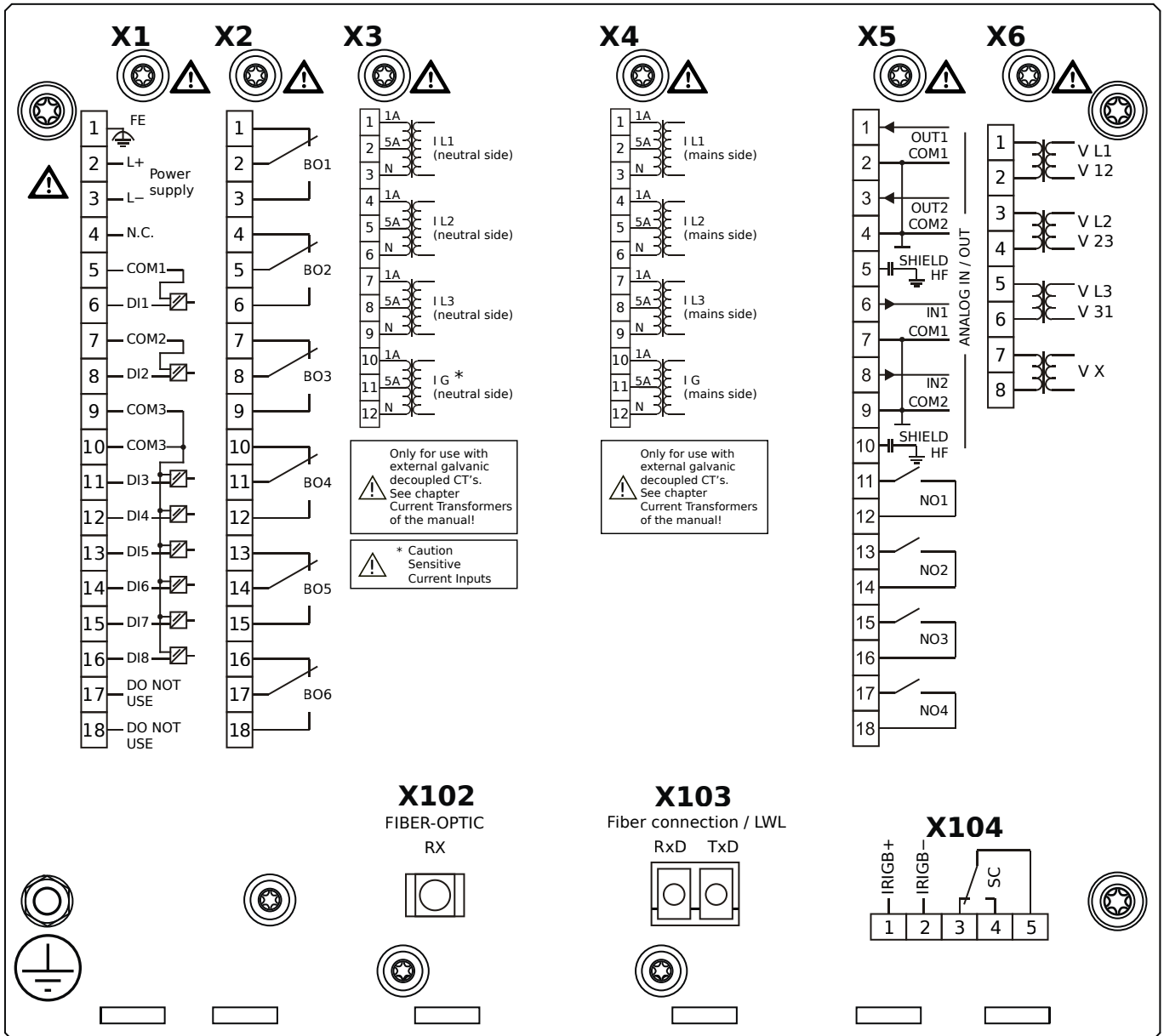
MCDGV4-2B1ALA



Housing B2, large display, door mounting

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- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1ALB

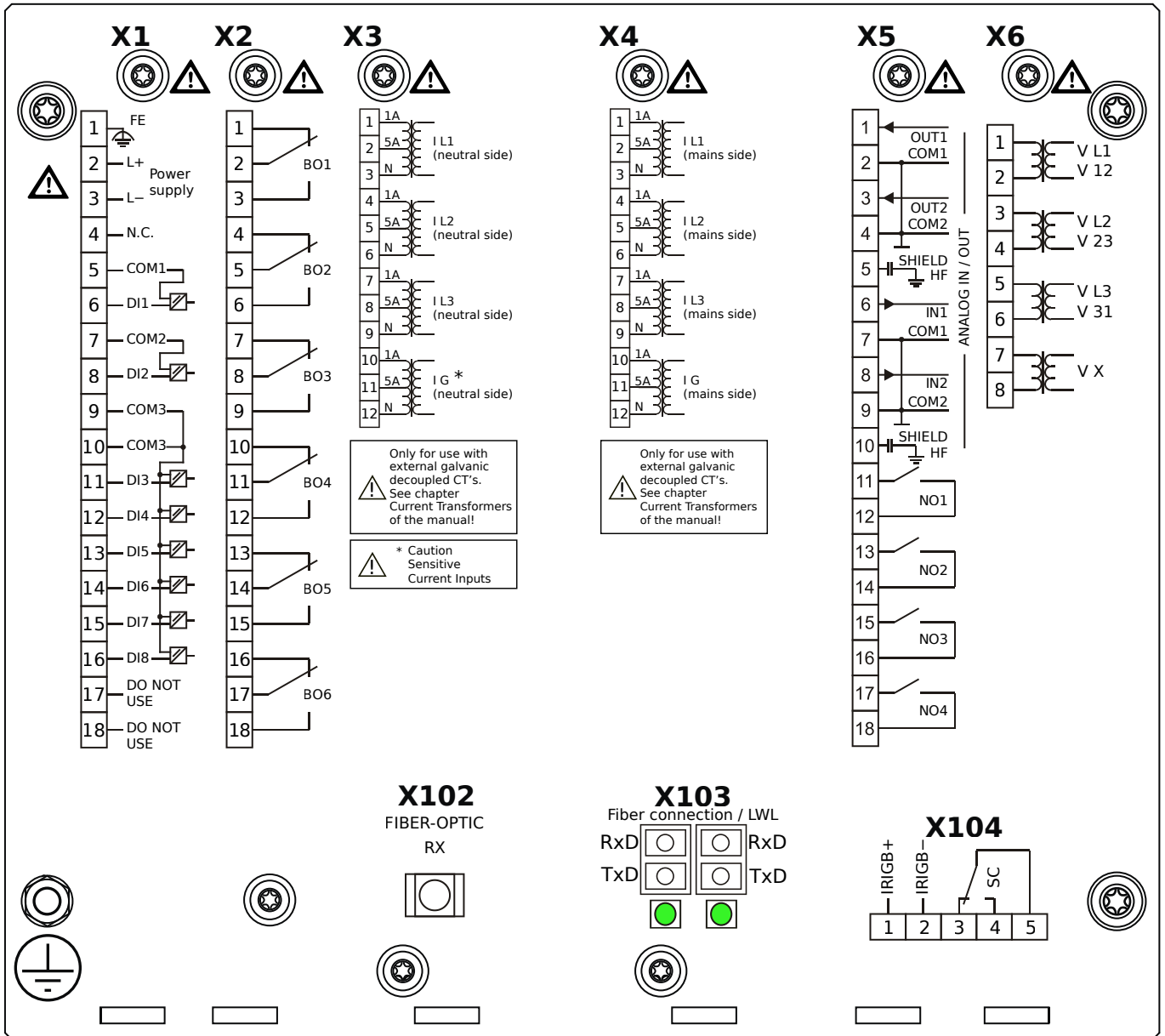


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

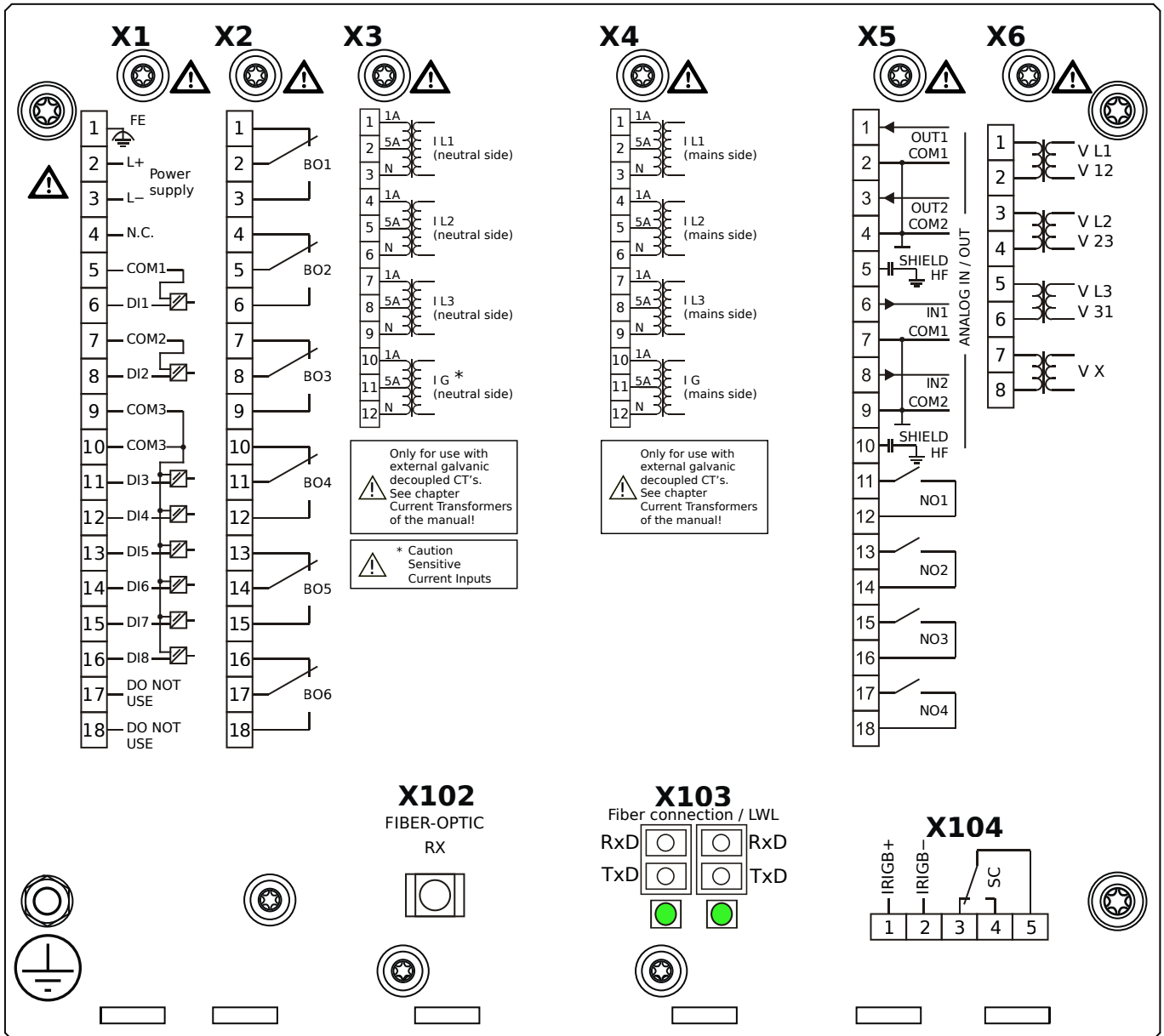
MCDGV4-2B1AOA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1AOB

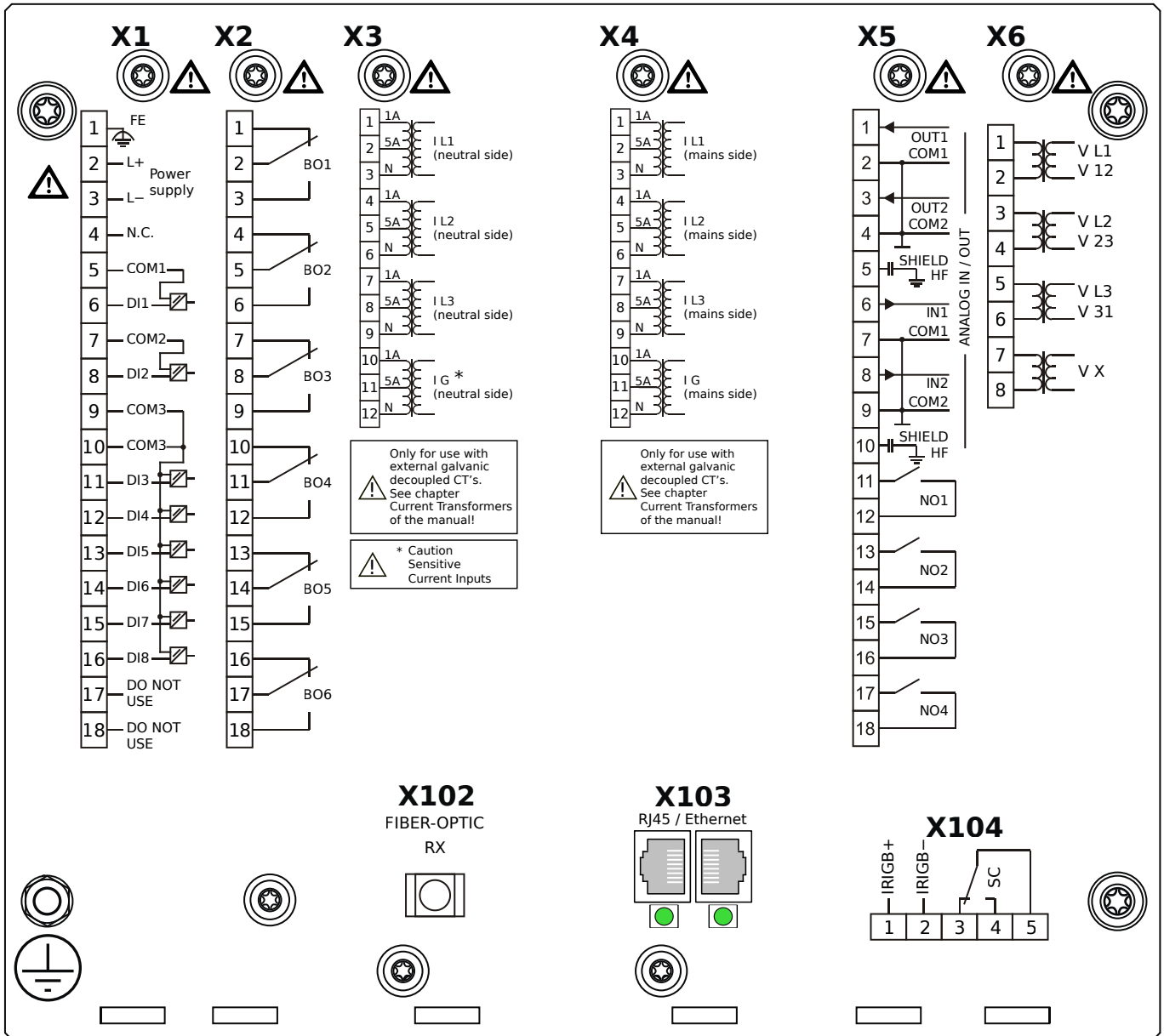


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

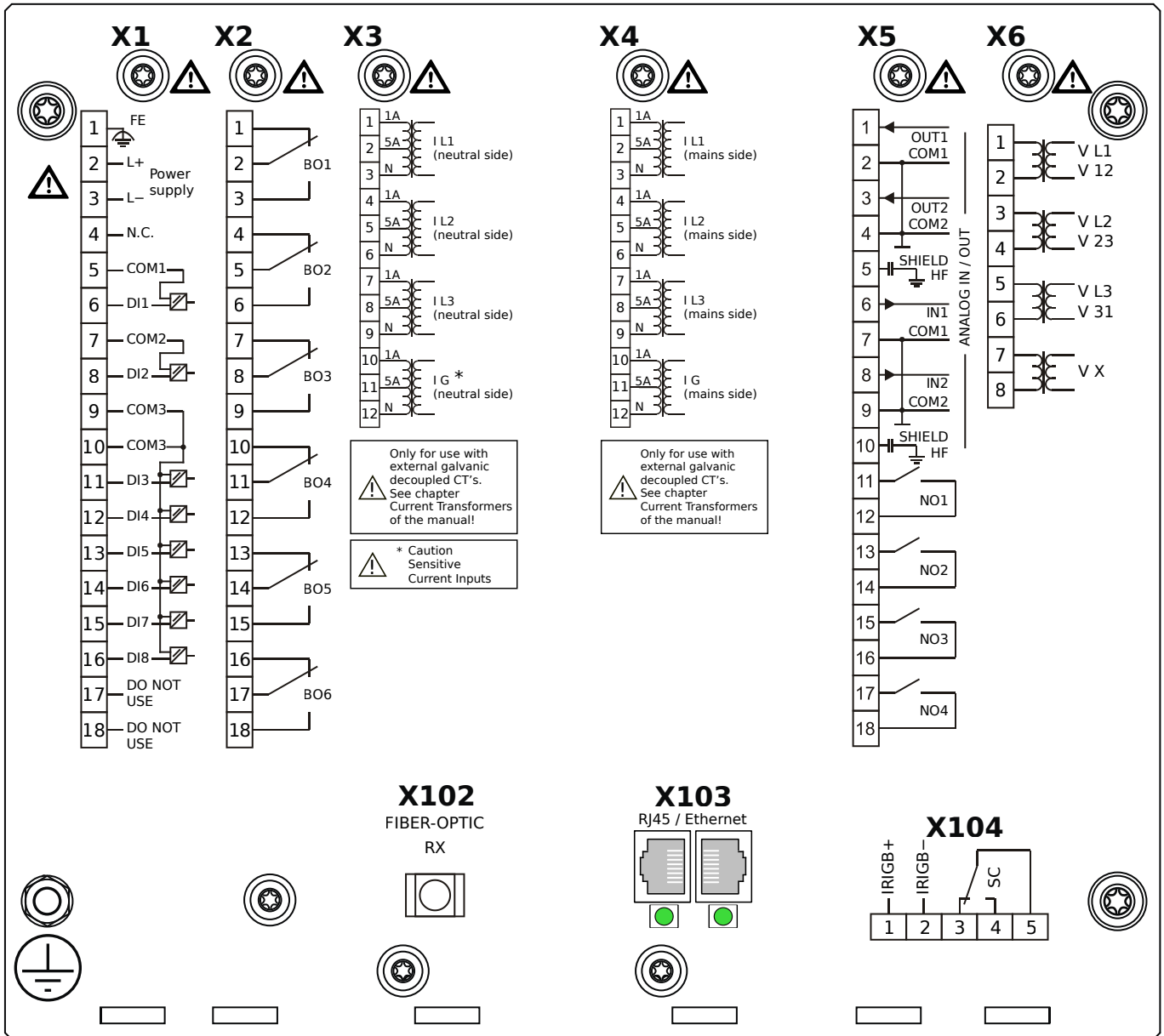
MCDGV4-2B1APA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
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- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1APB

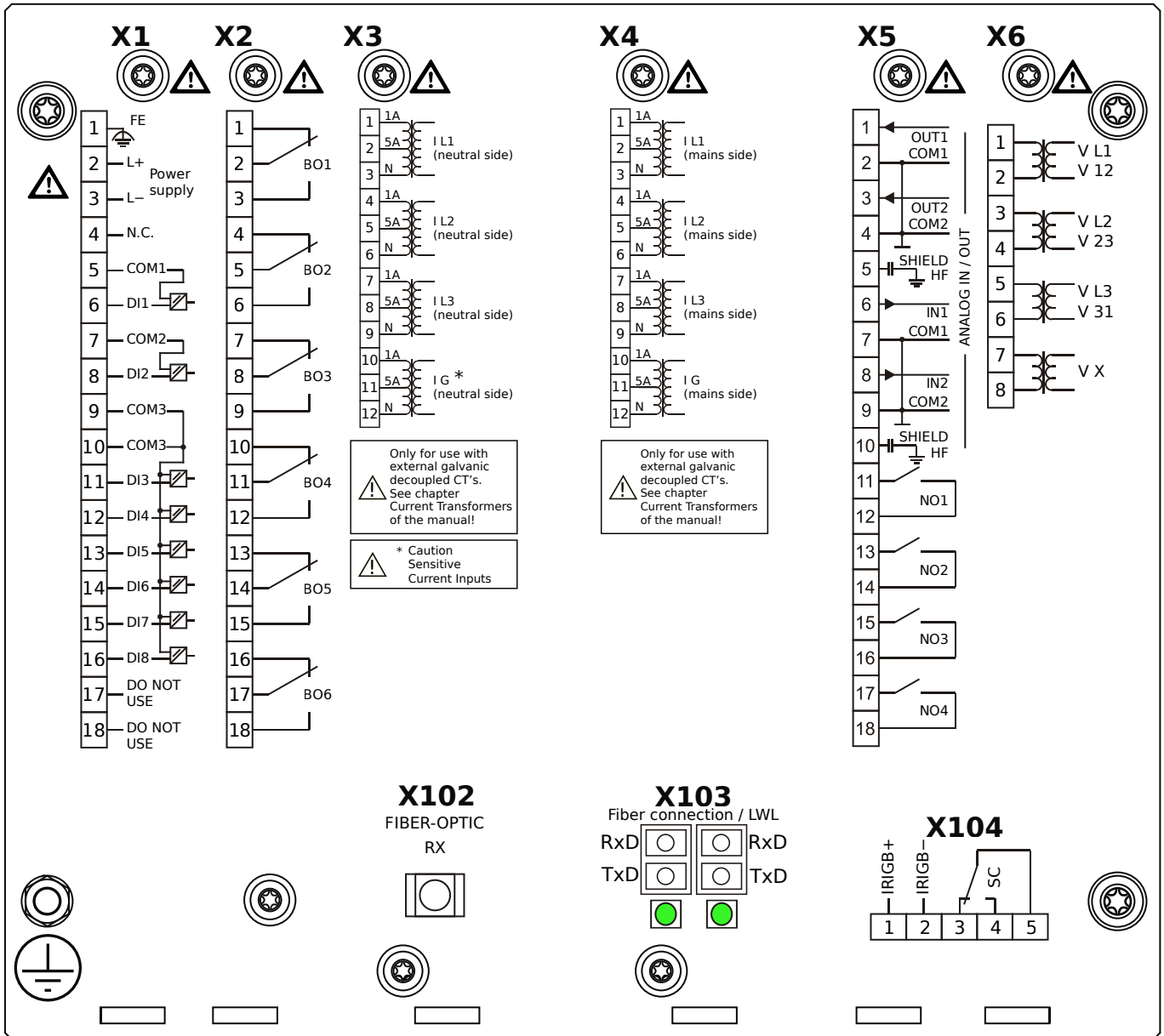


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

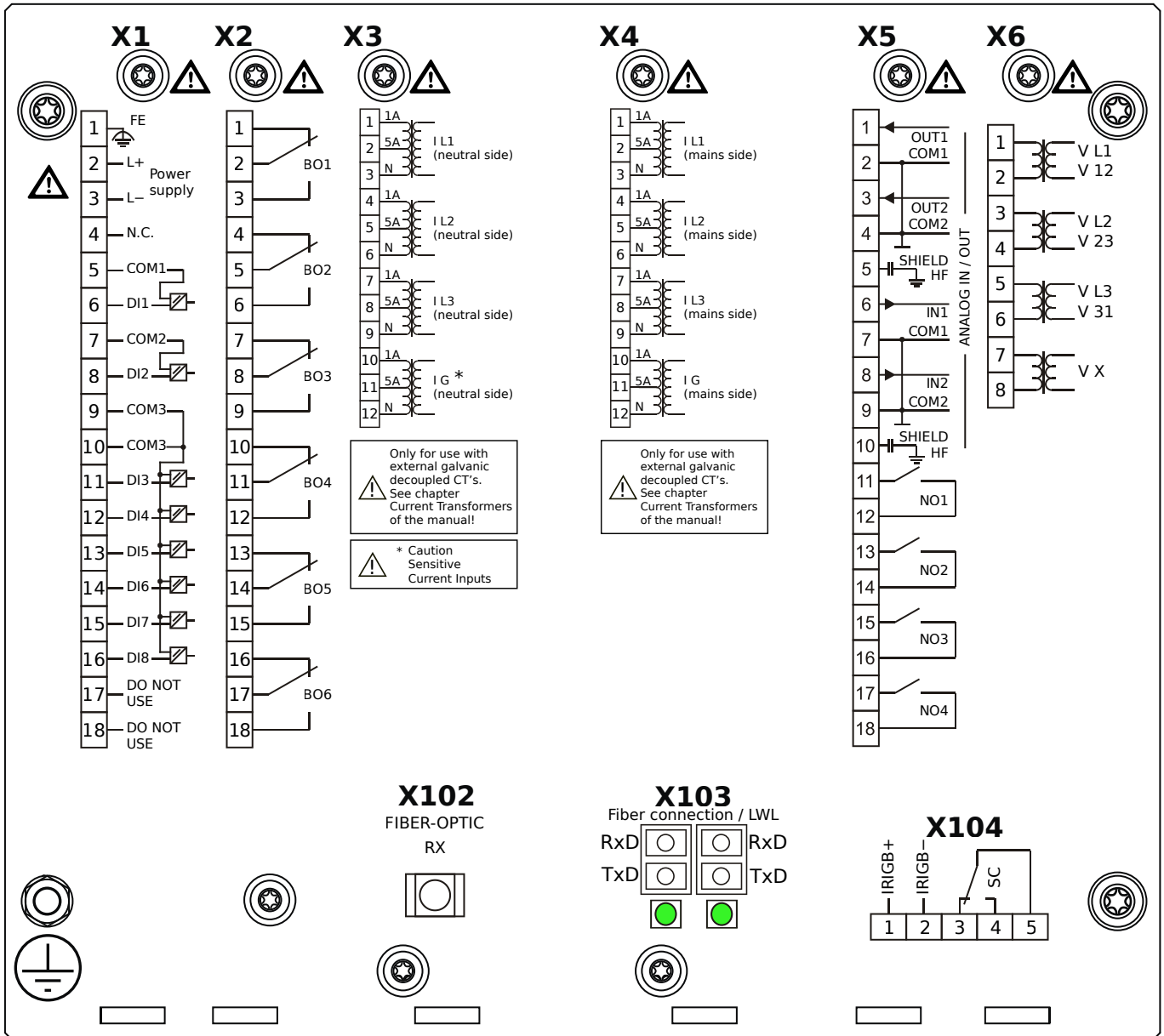
MCDGV4-2B1AQA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1AQB

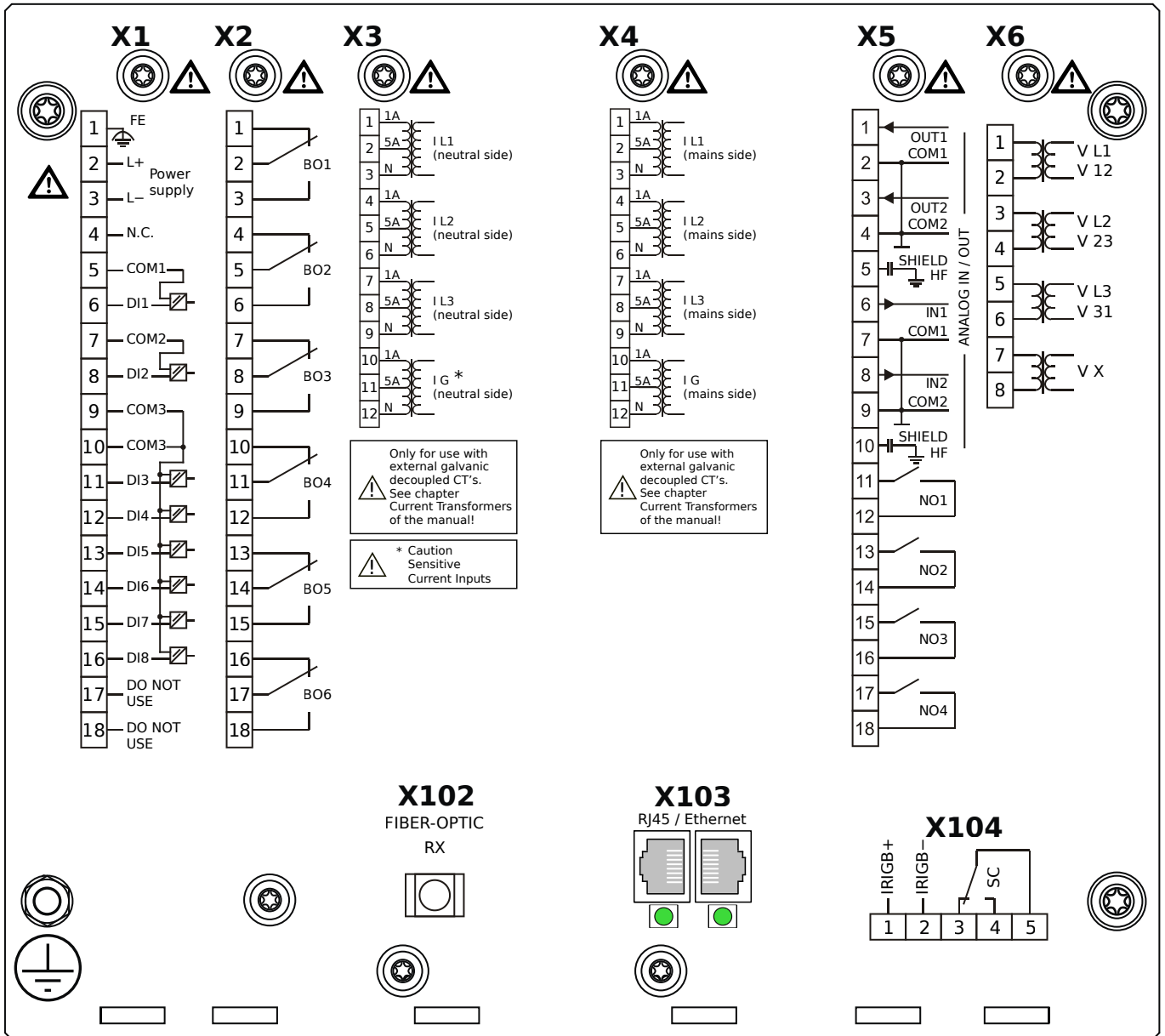


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

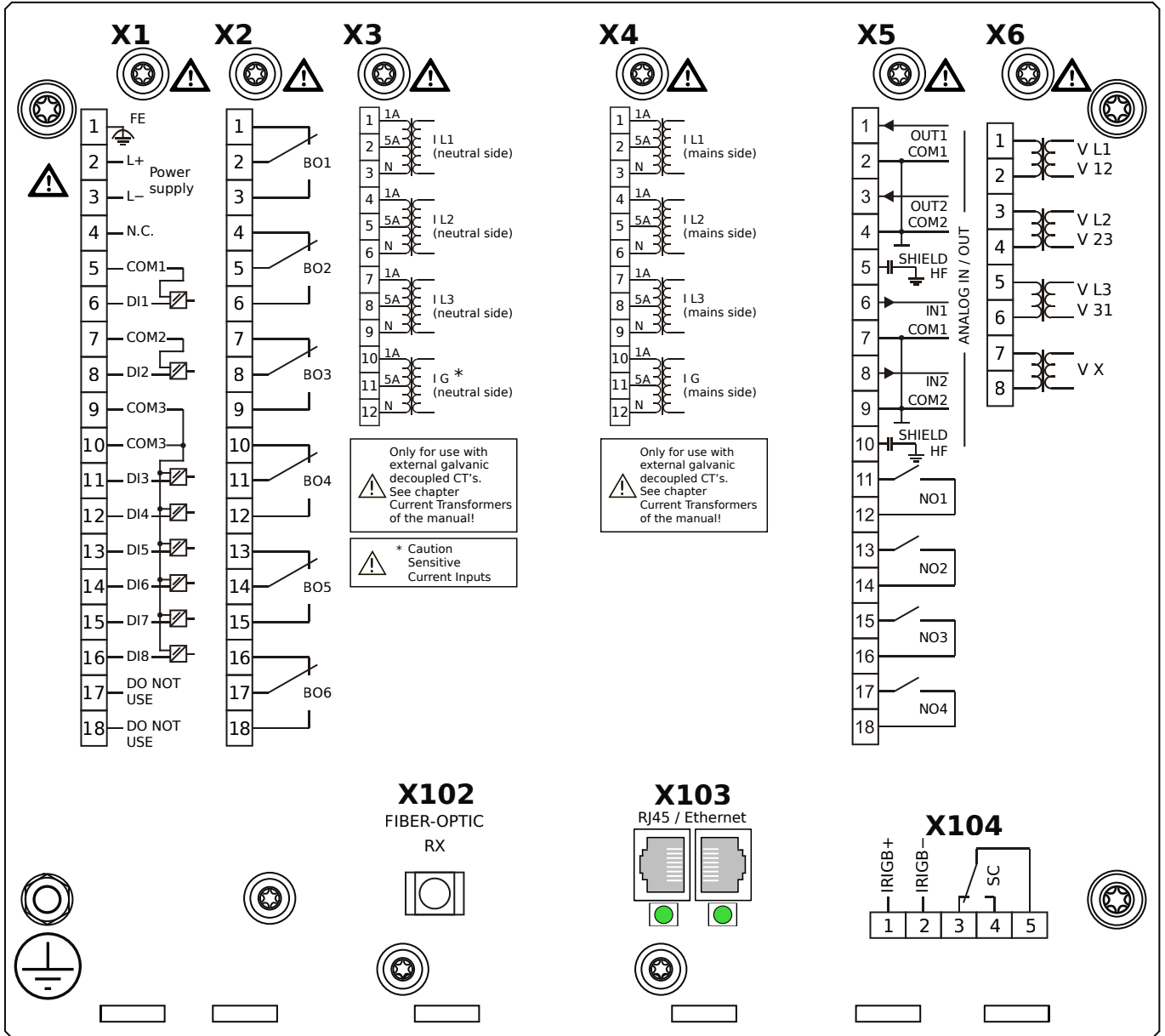
MCDGV4-2B1ARA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1ARB

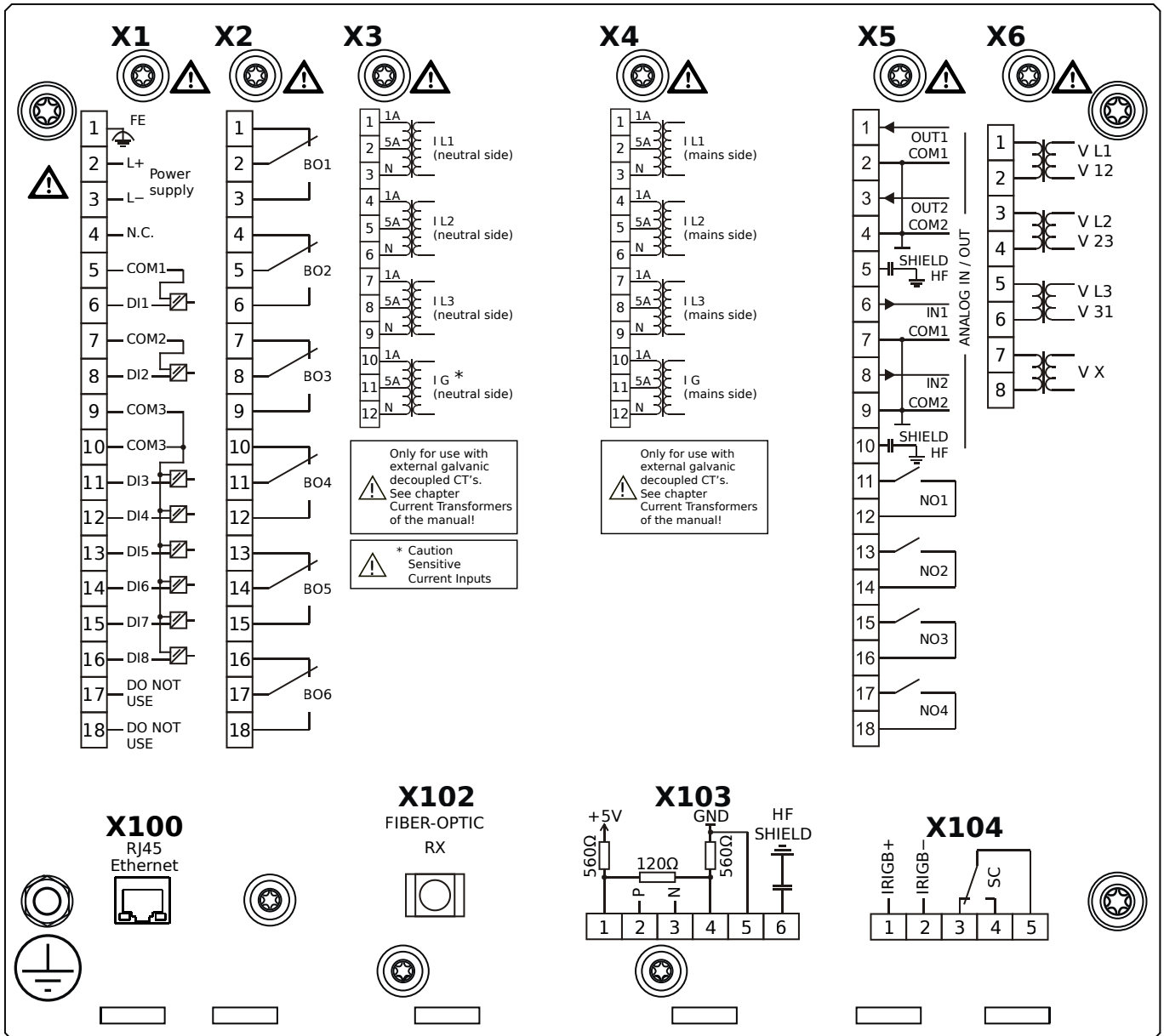


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

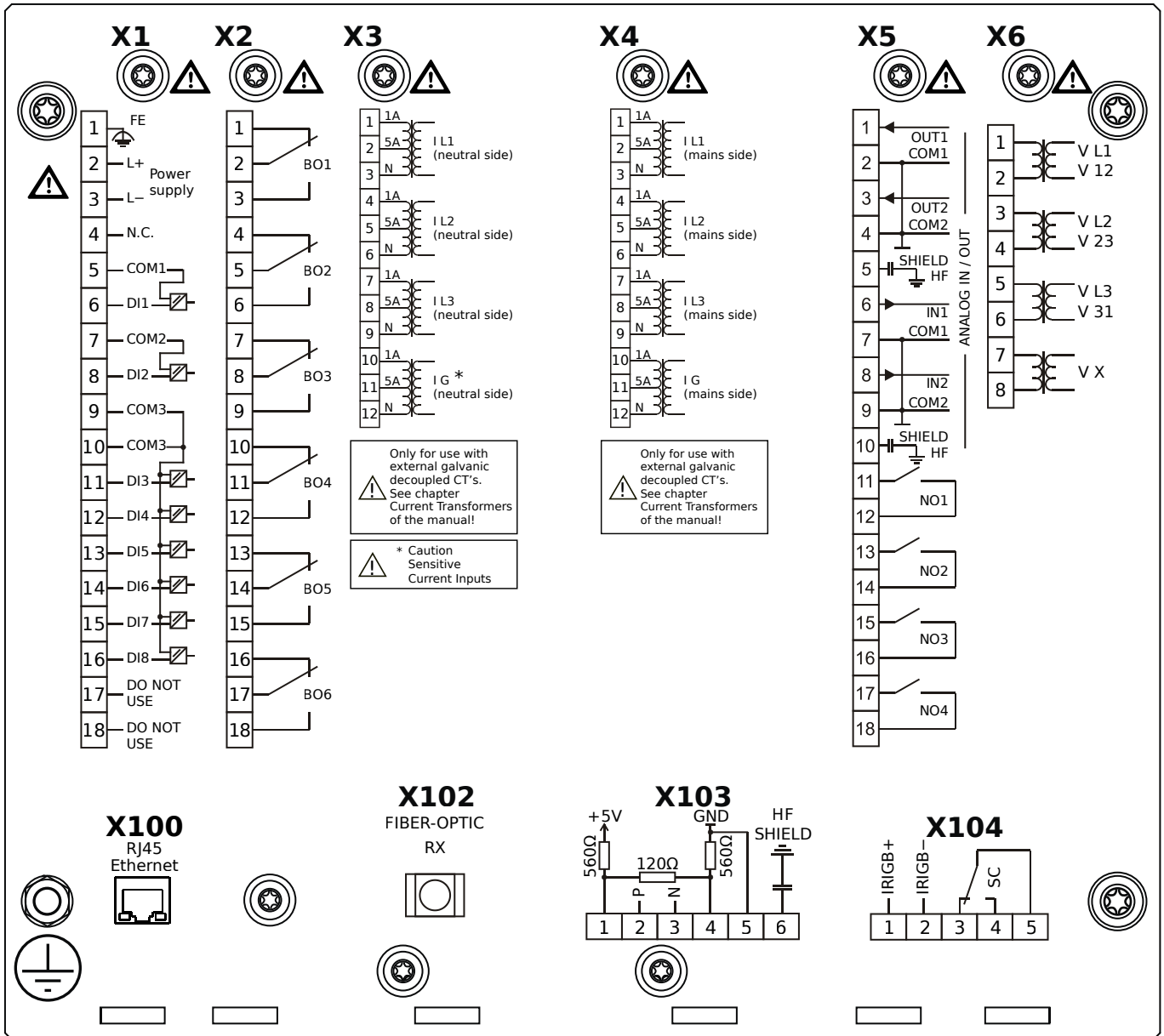
MCDGV4-2B1ATA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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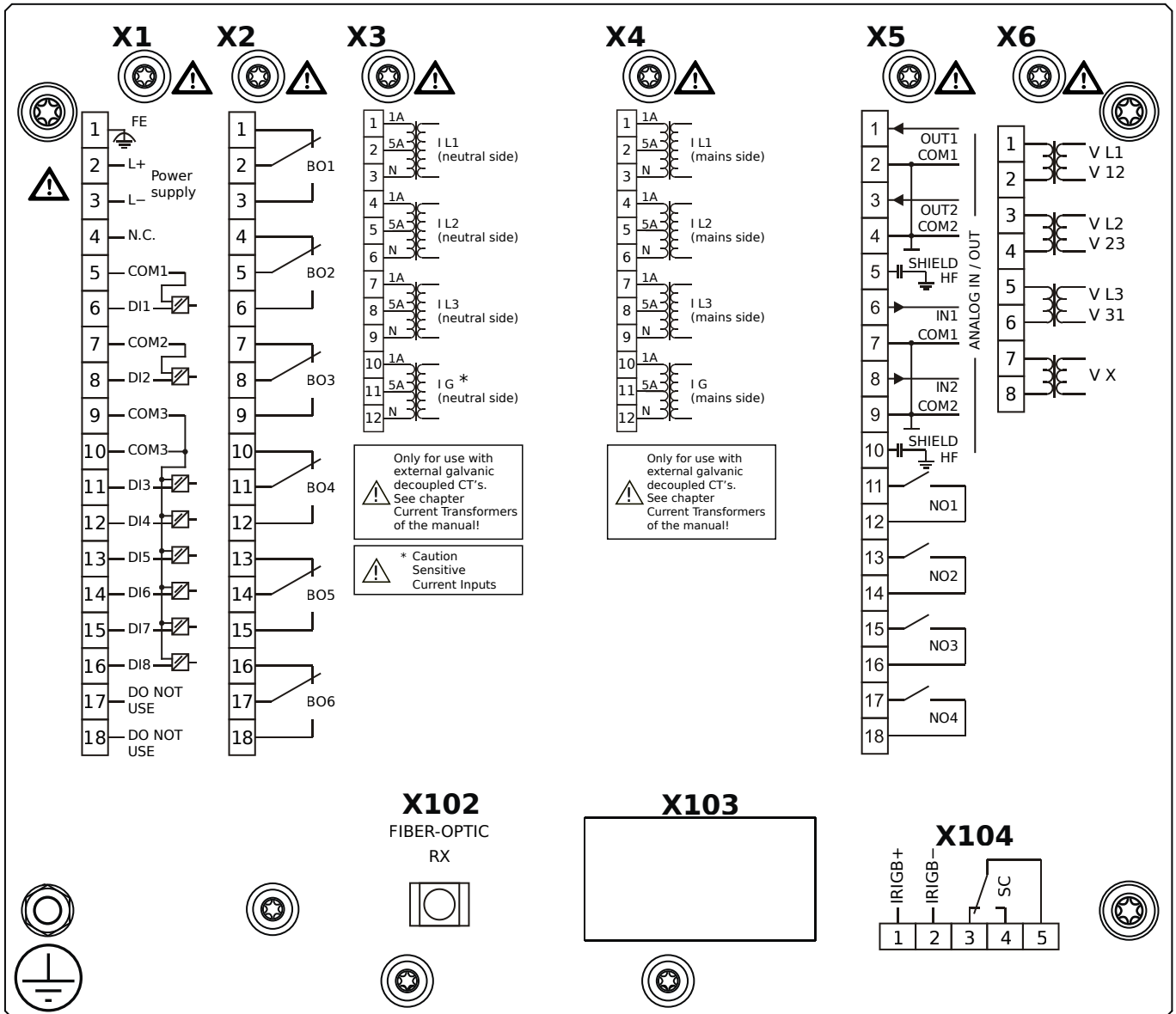


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
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- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

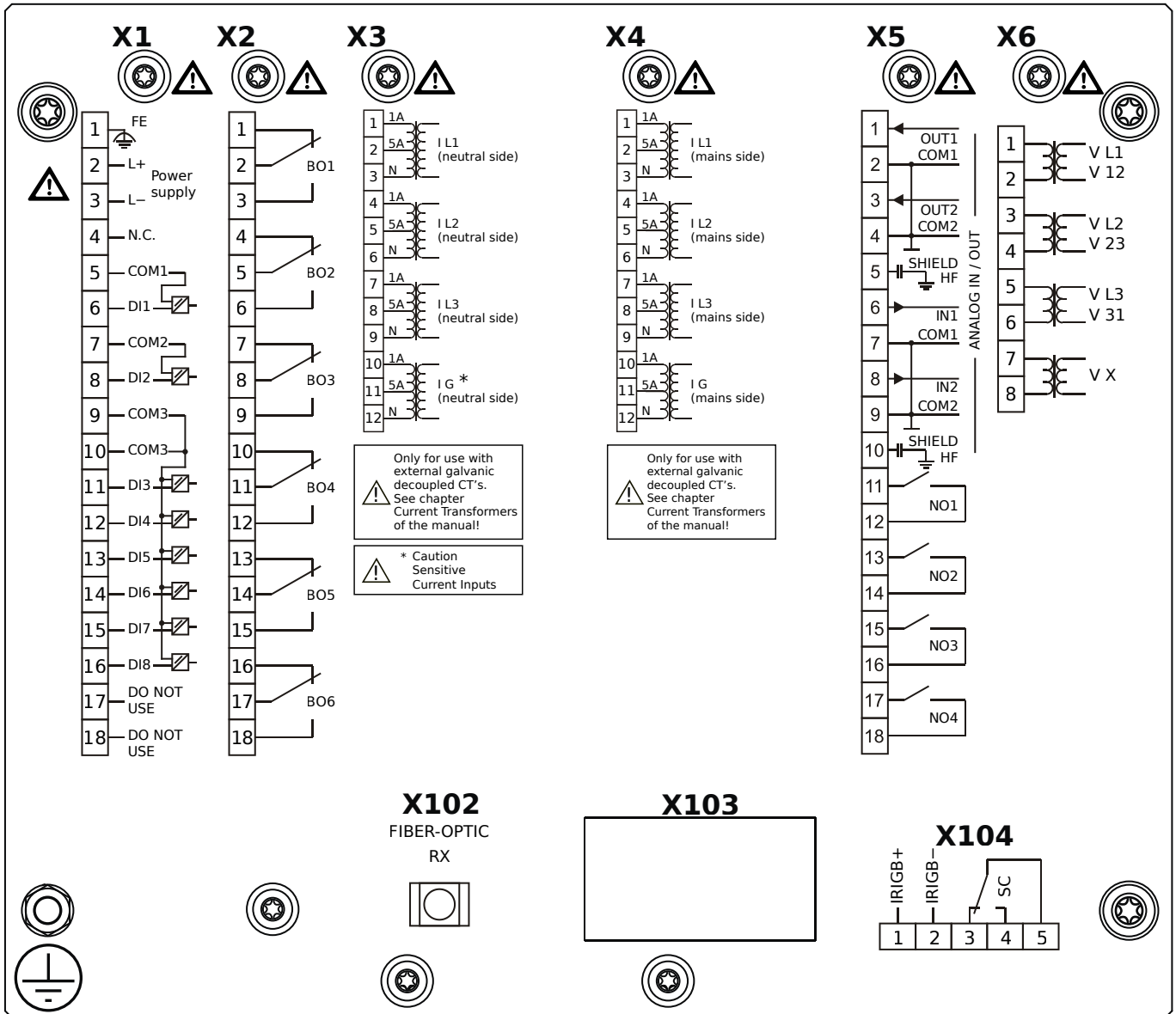
MCDGV4-2B1BAA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1BAB

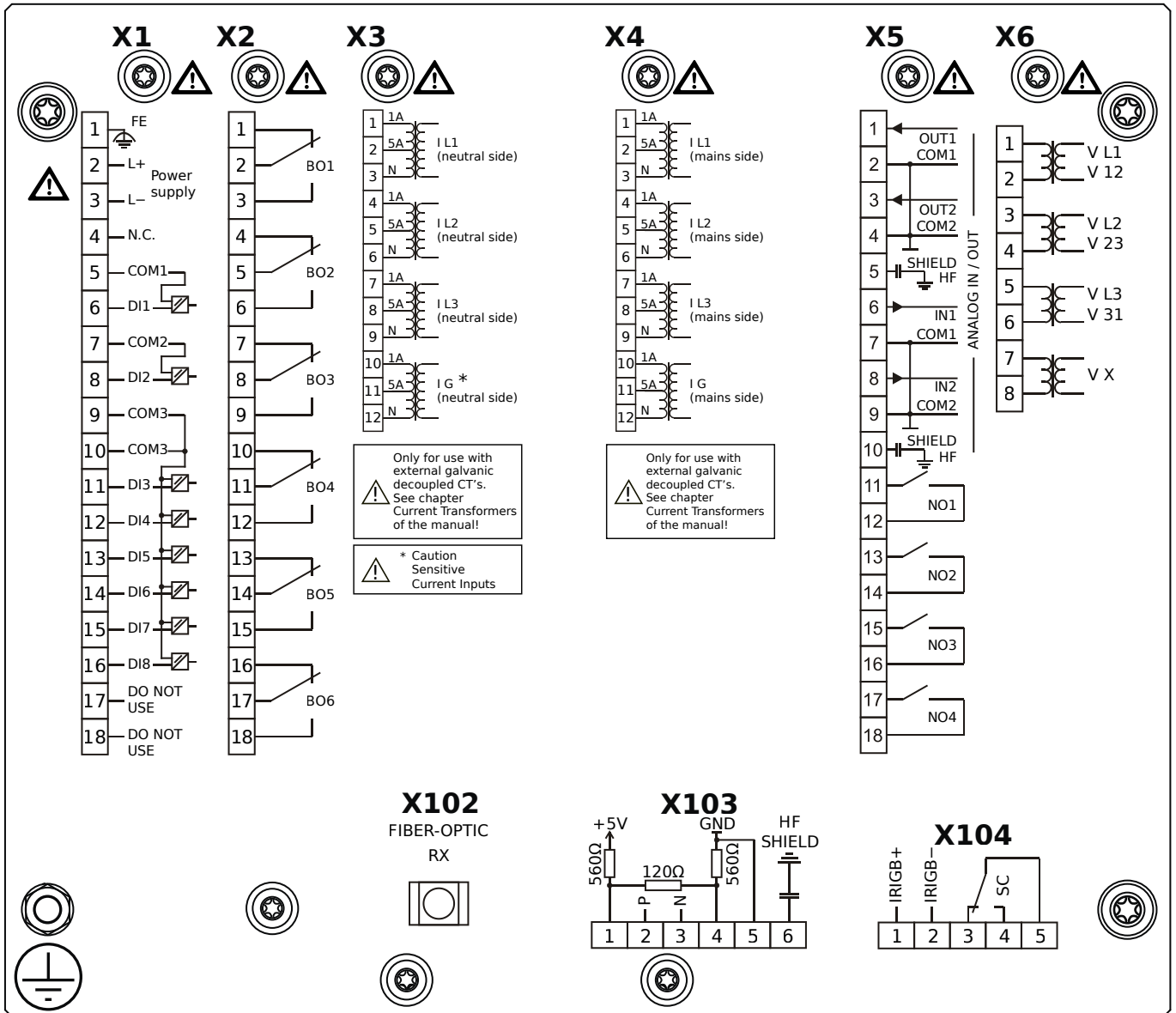


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

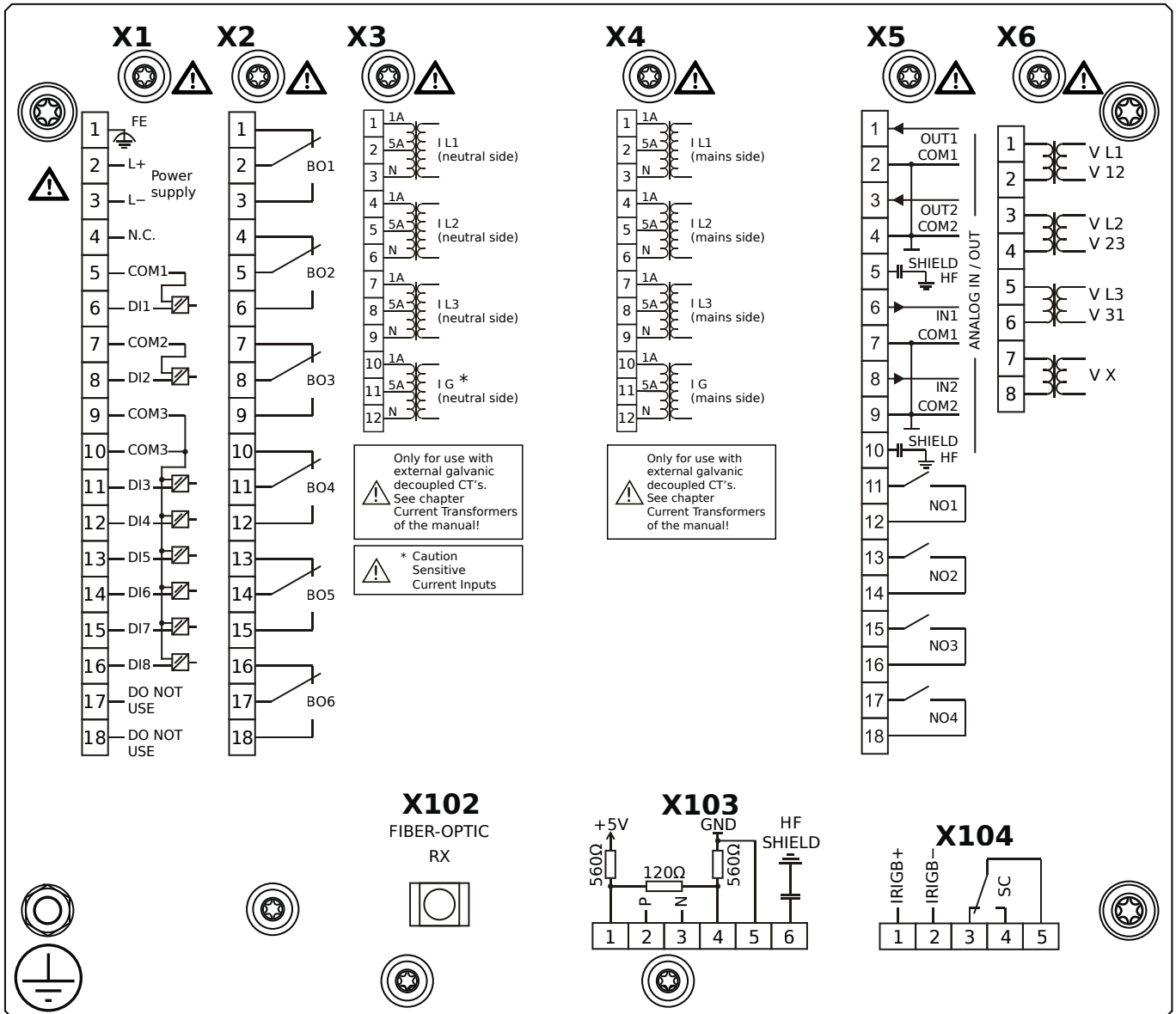
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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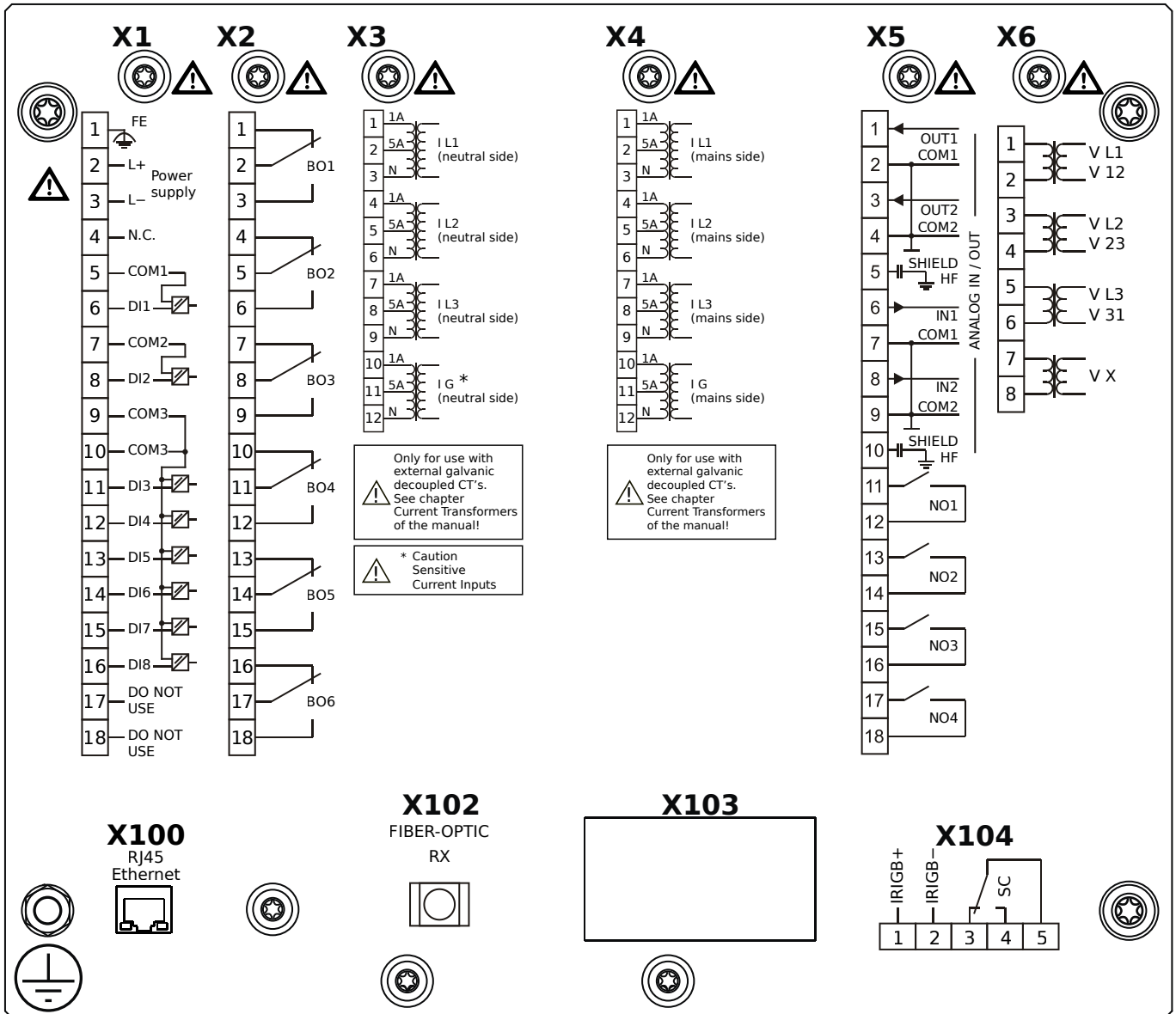


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

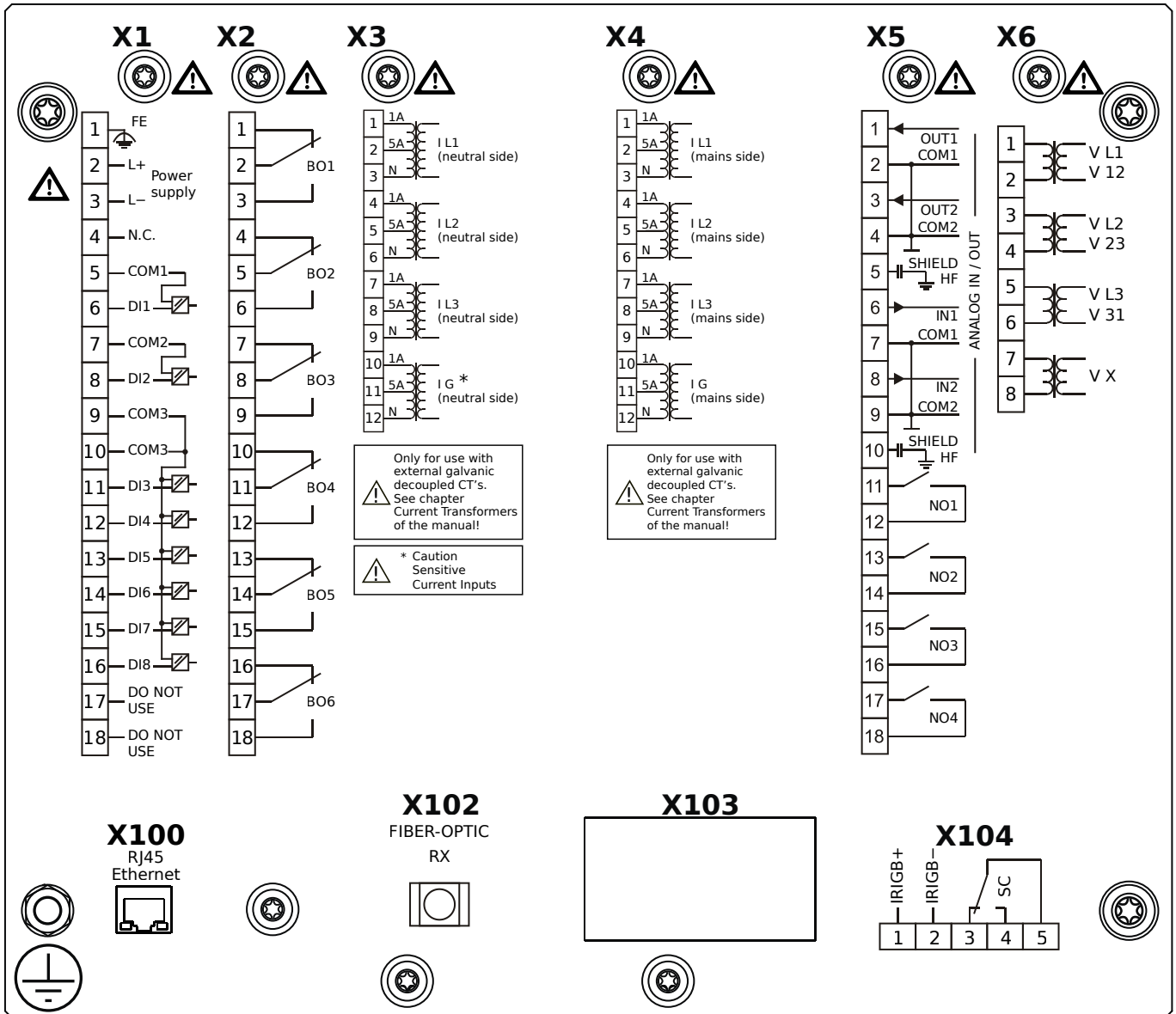
MCDGV4-2B1BCA



Housing B2, large display, 19" rack mounting

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- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1BCB

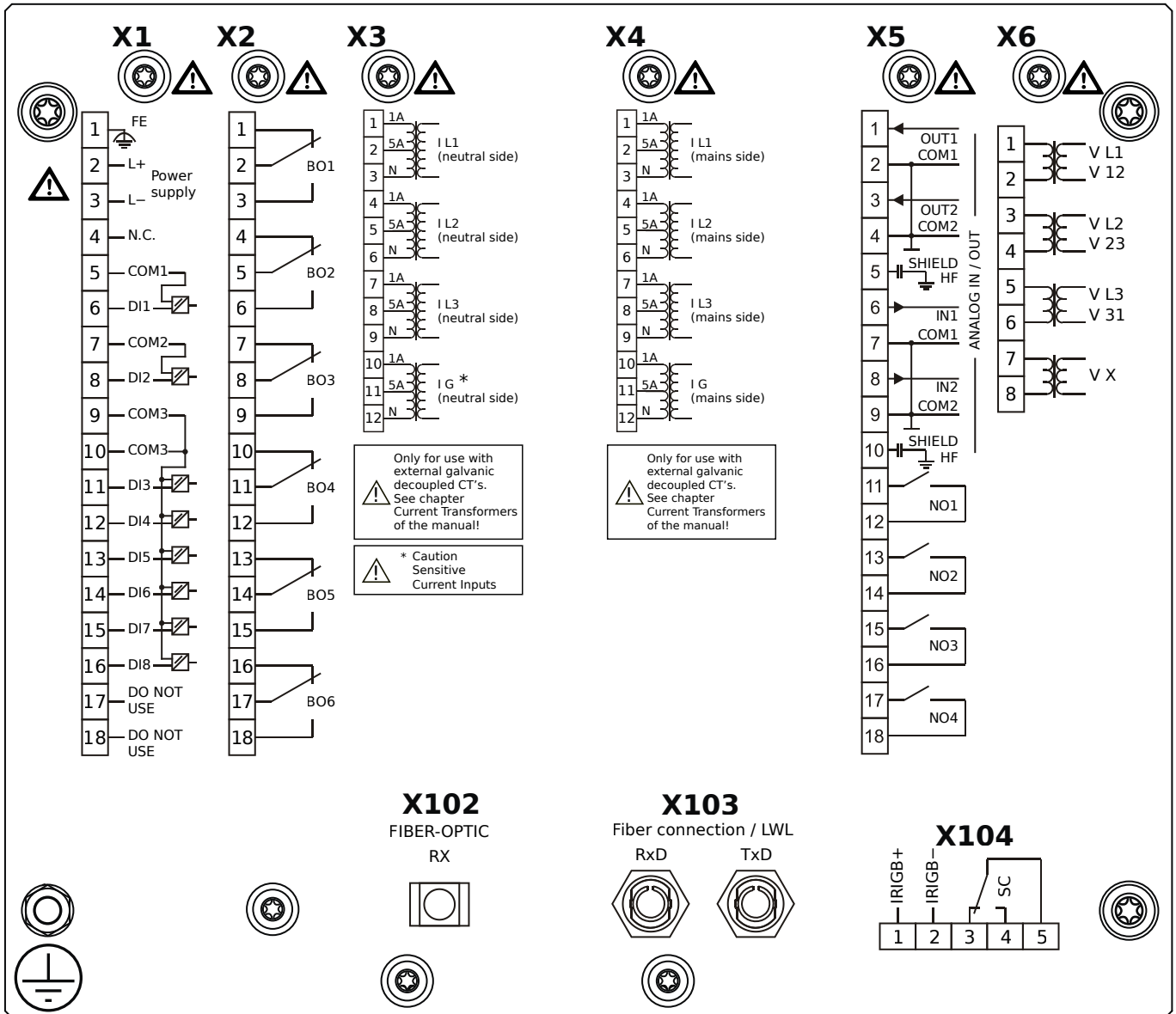


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

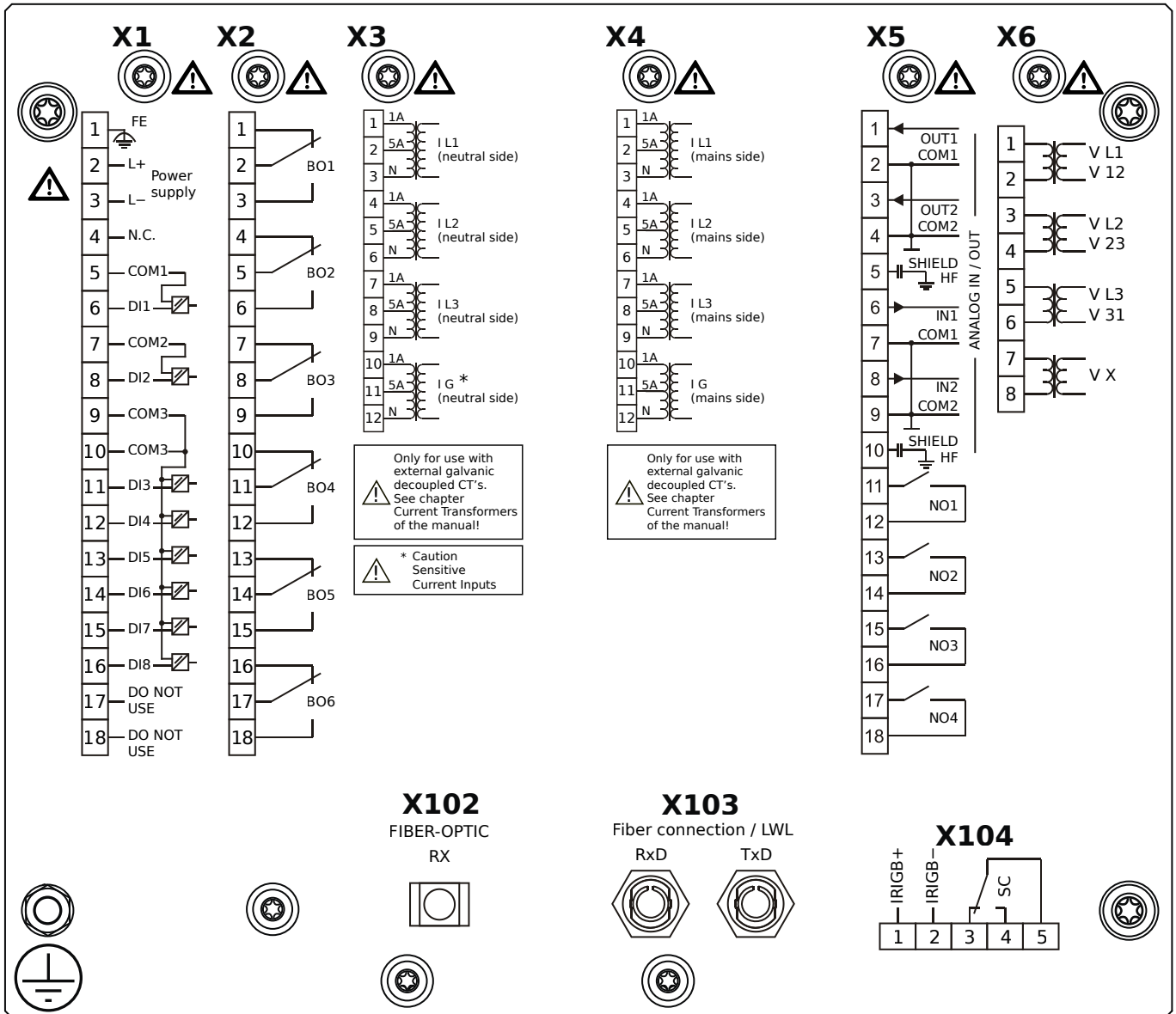
MCDGV4-2B1BDA



Housing B2, large display, 19" rack mounting

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- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1BDB

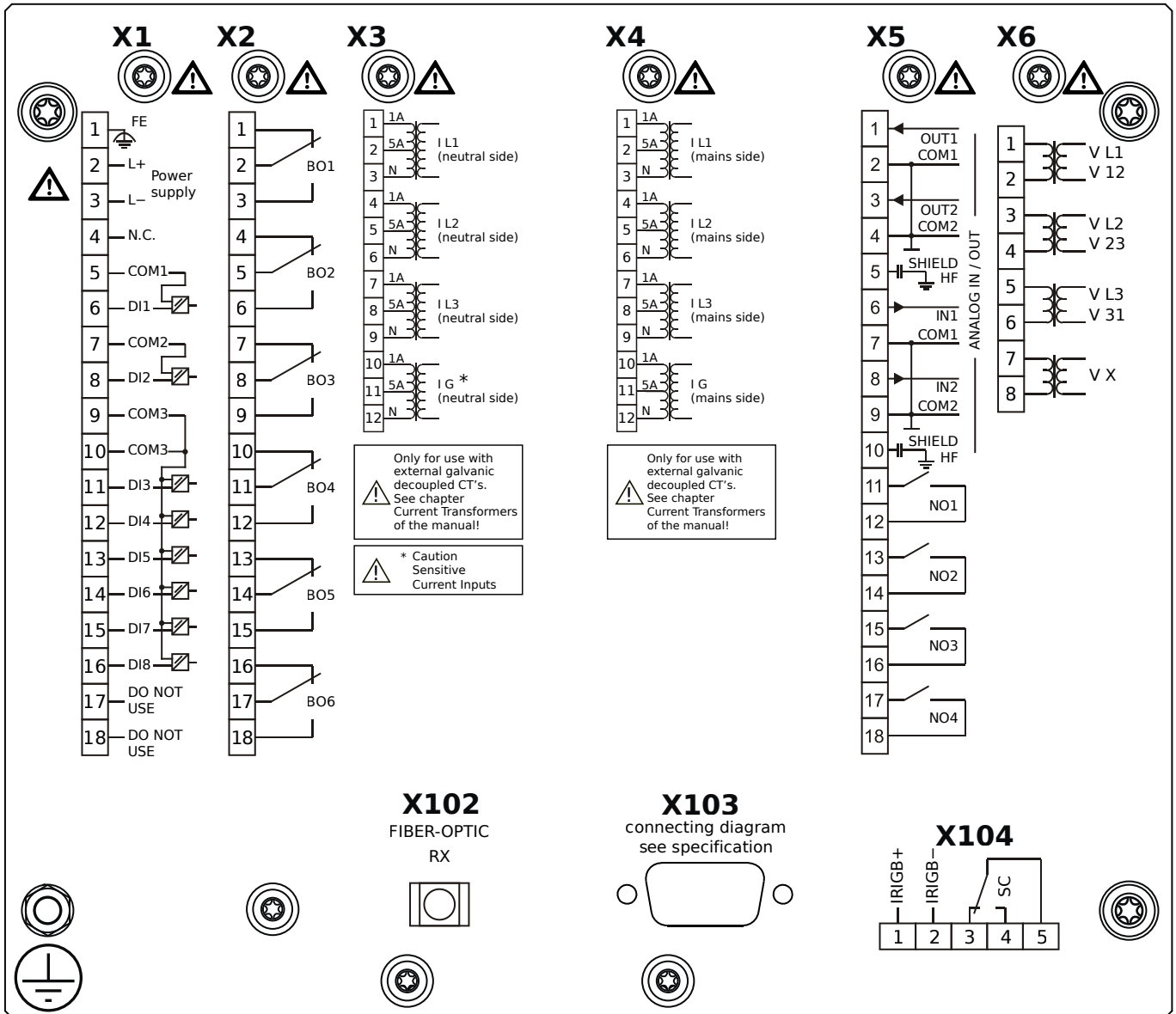


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

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- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

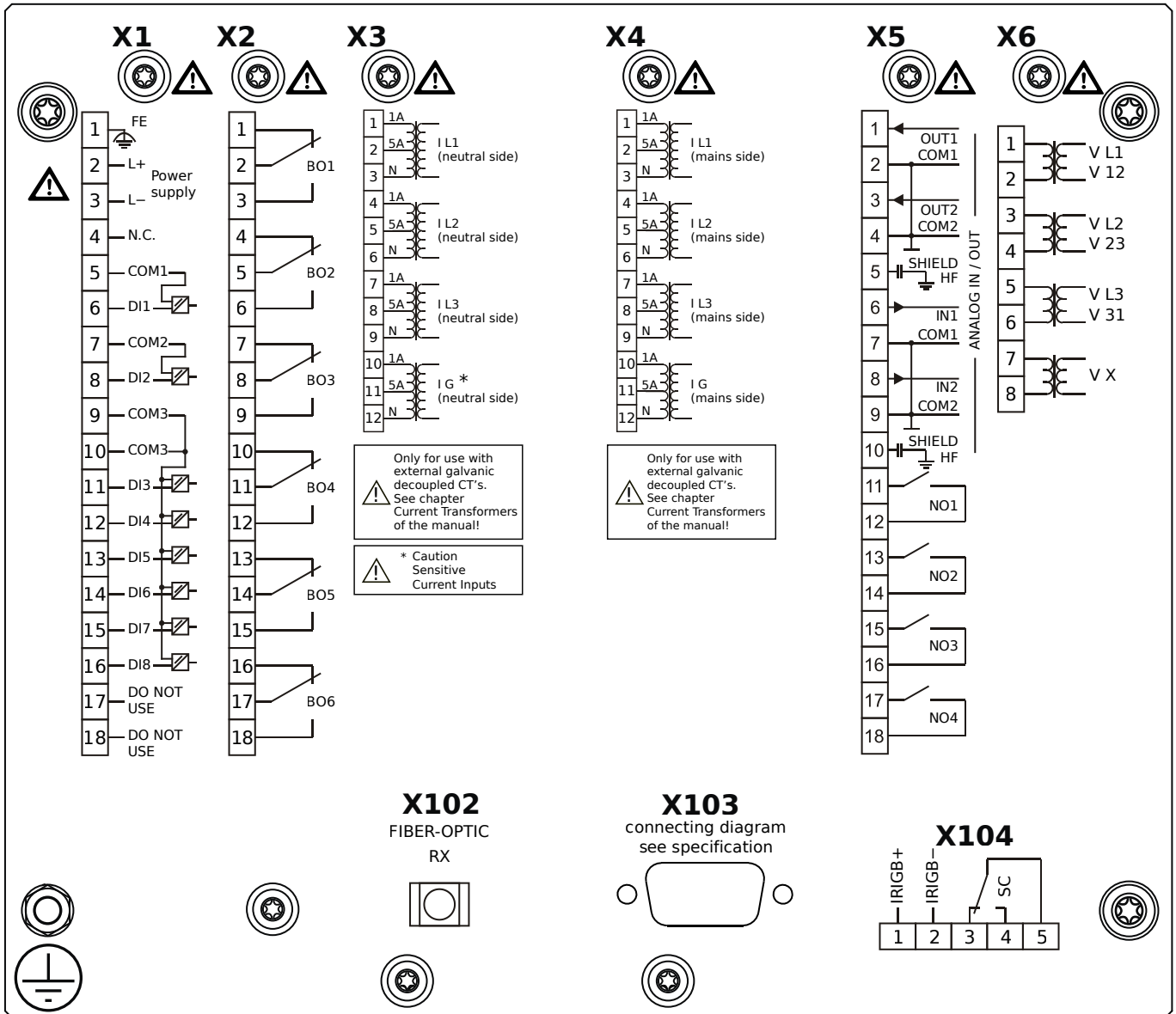
MCDGV4-2B1BEA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1BEB

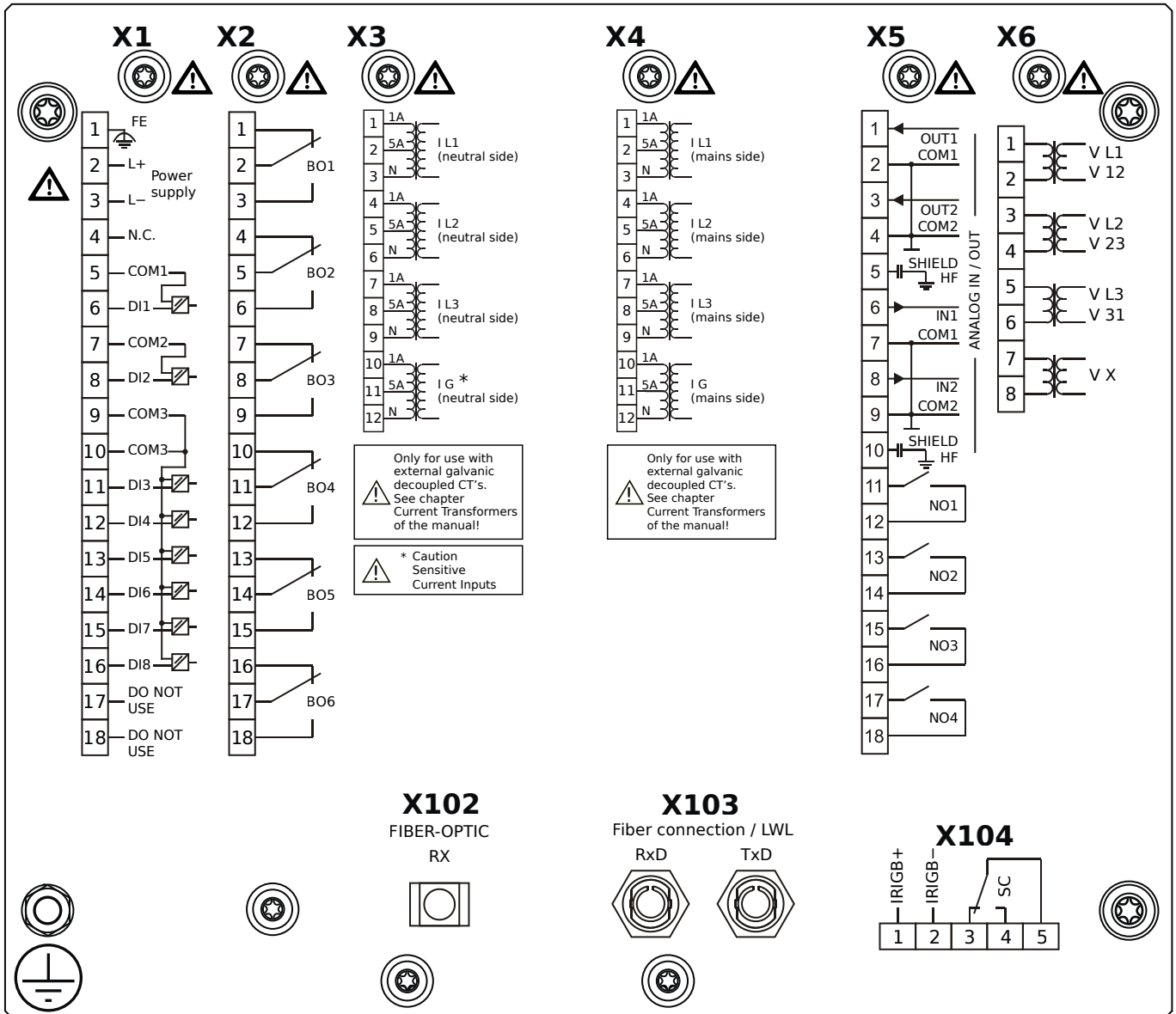


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

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- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

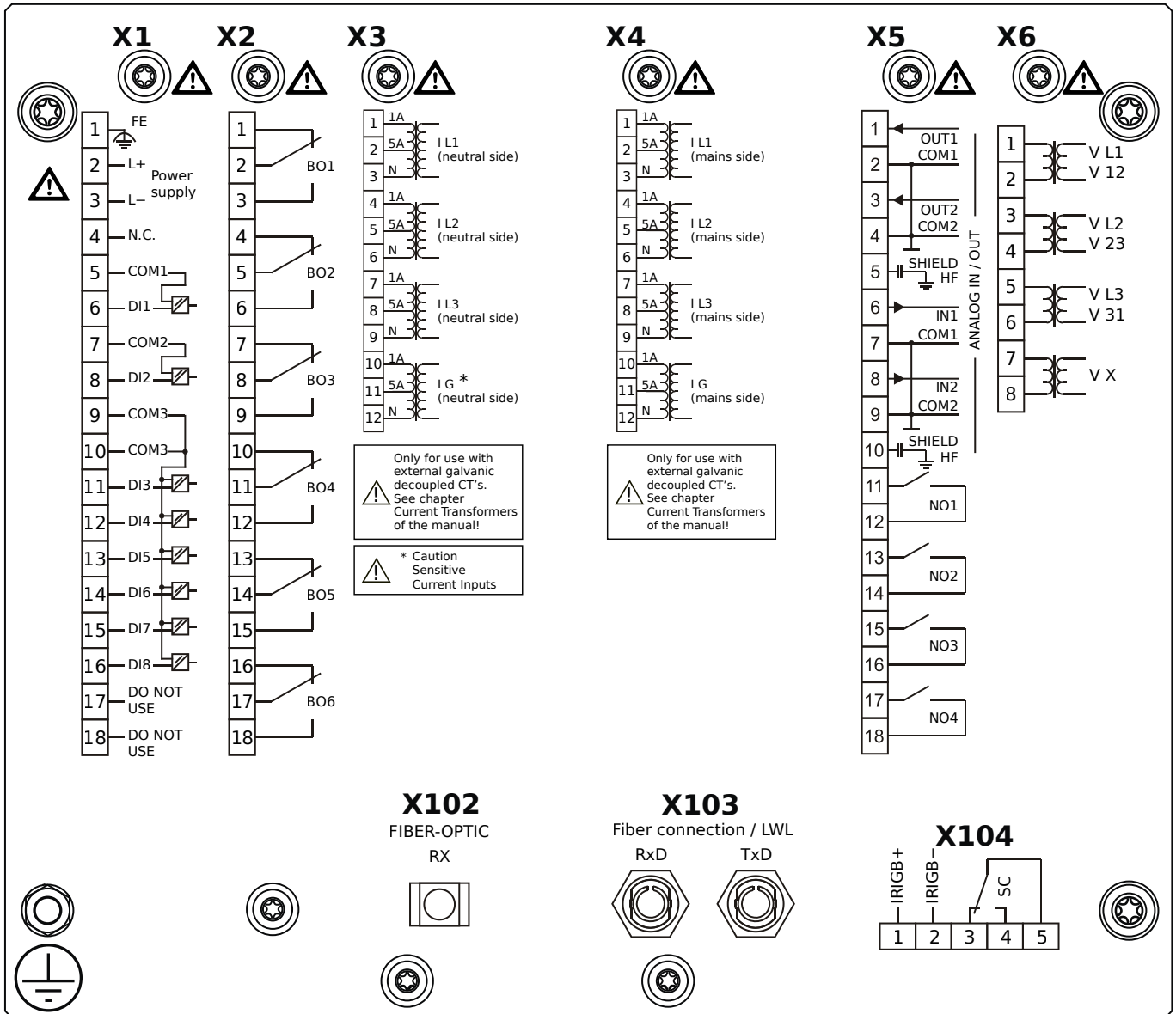
MCDGV4-2B1BFA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1BFB

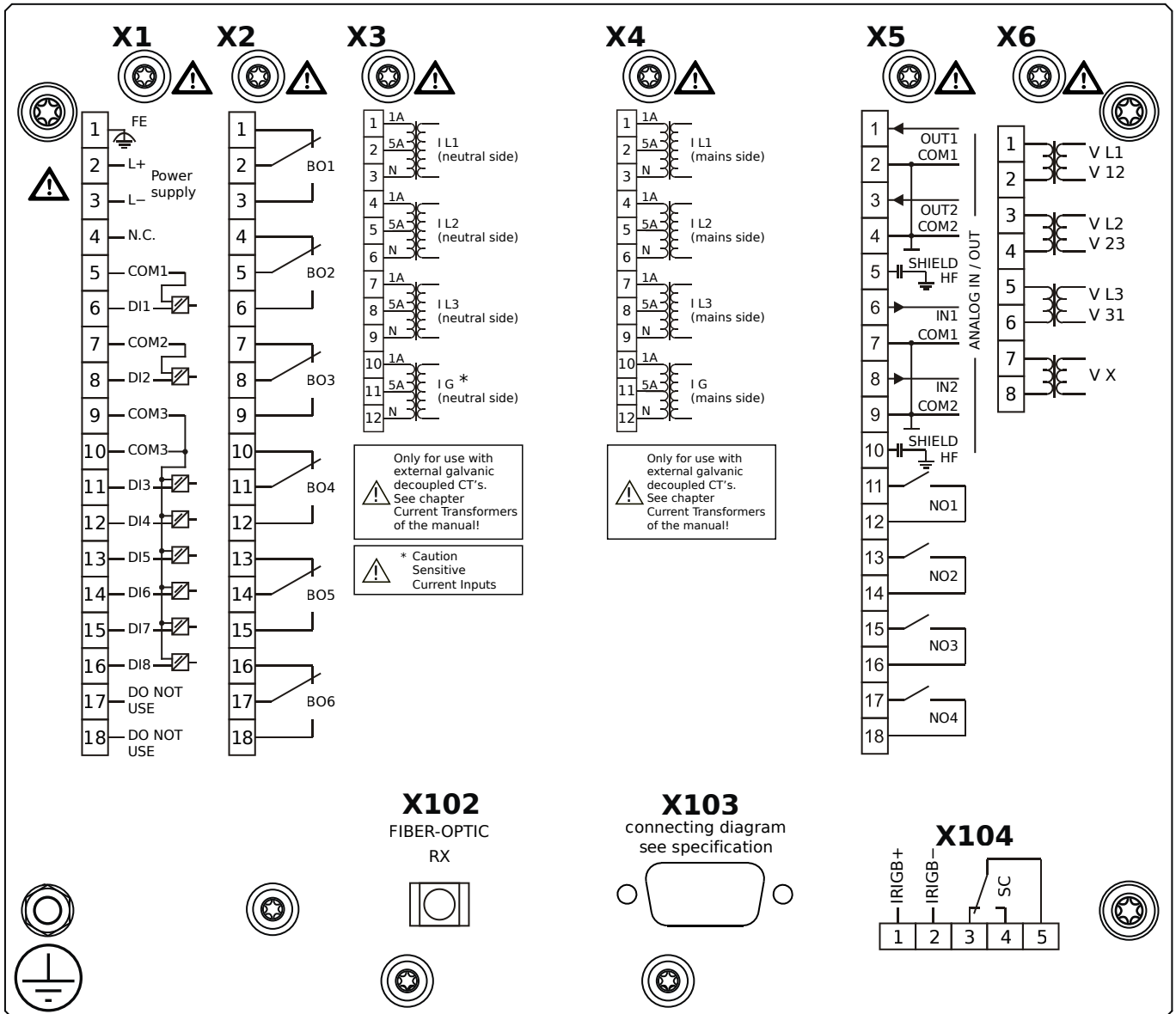


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

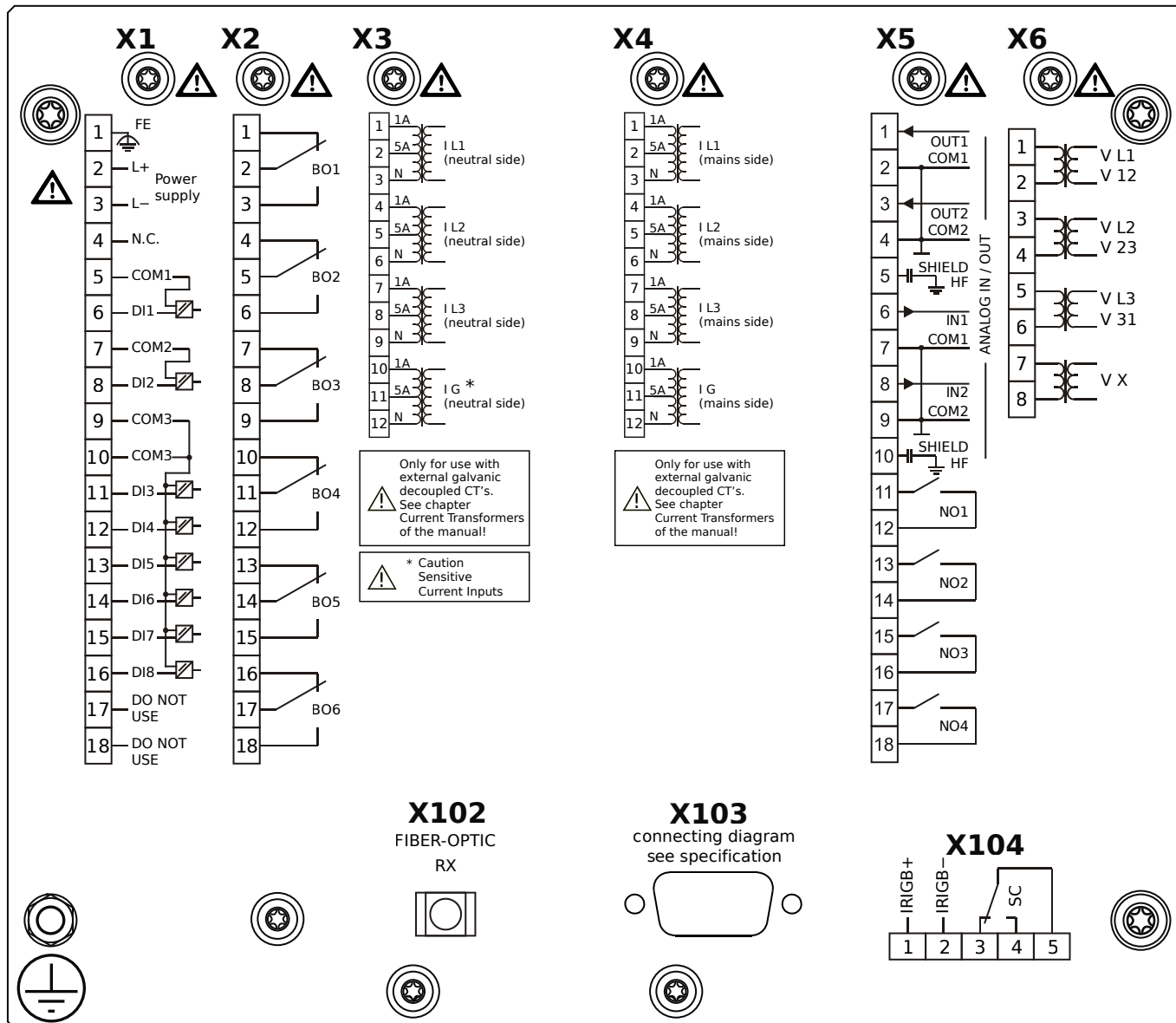
MCDGV4-2B1BGA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1BGB

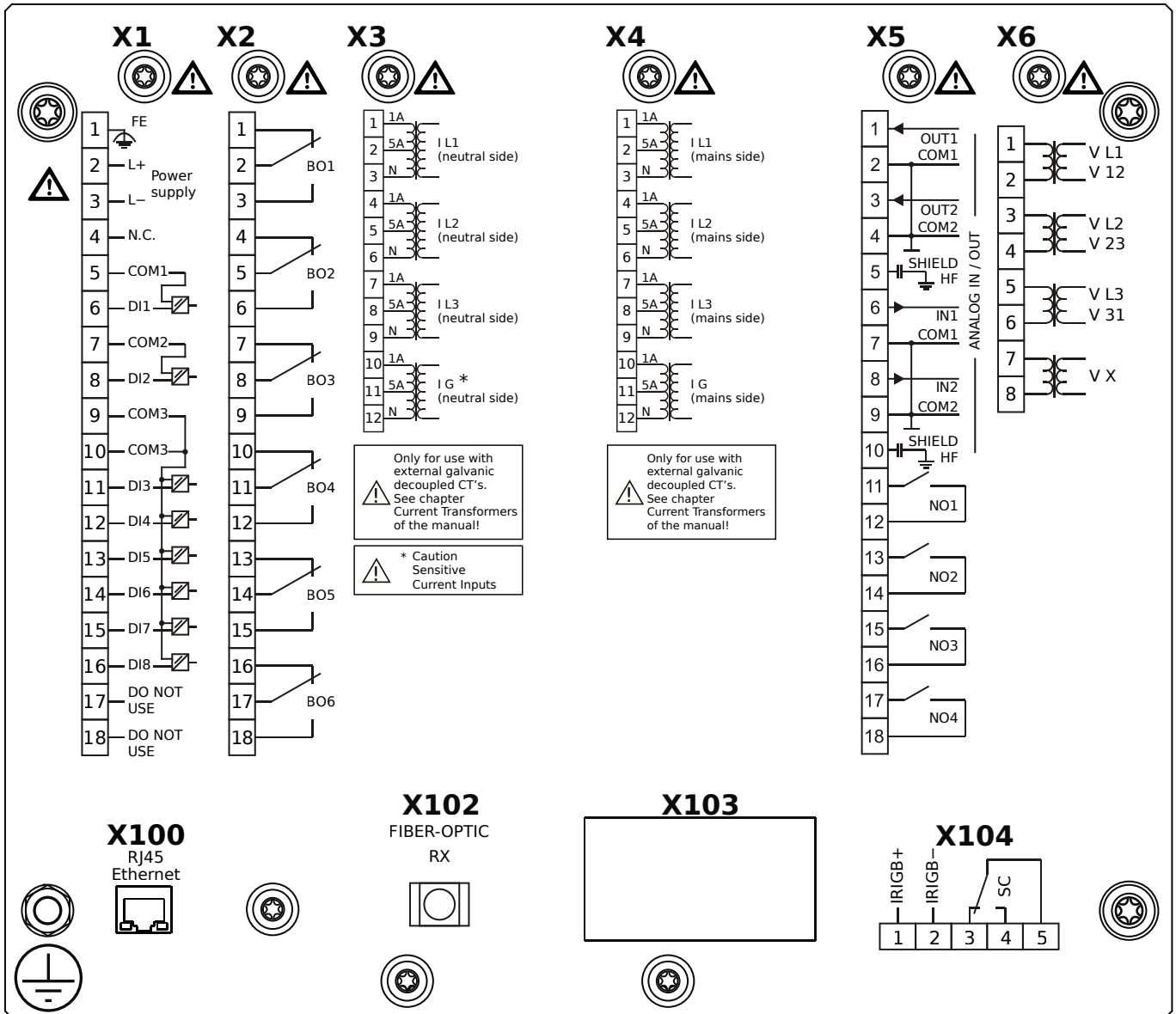


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

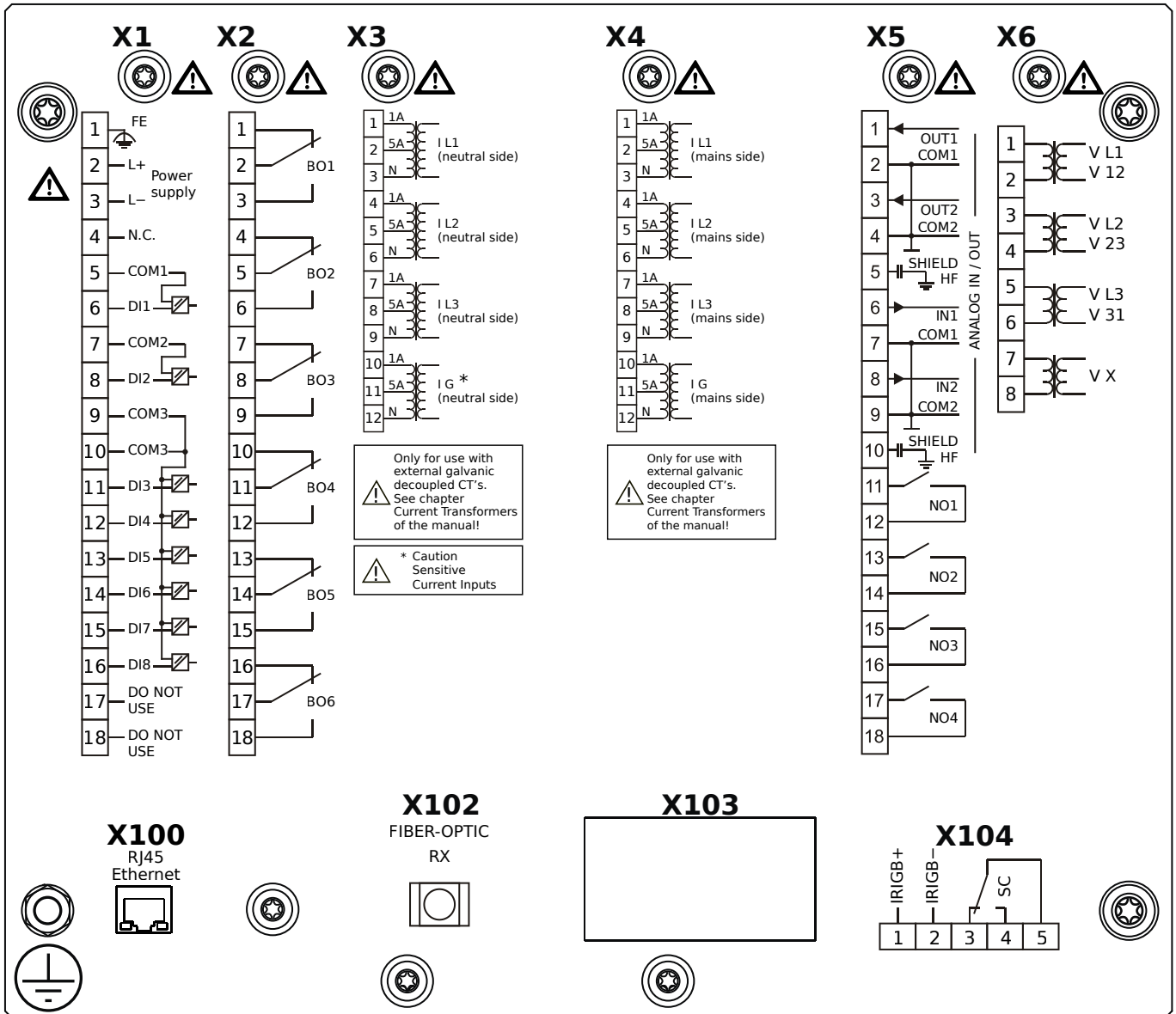
MCDGV4-2B1BHA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1BHB

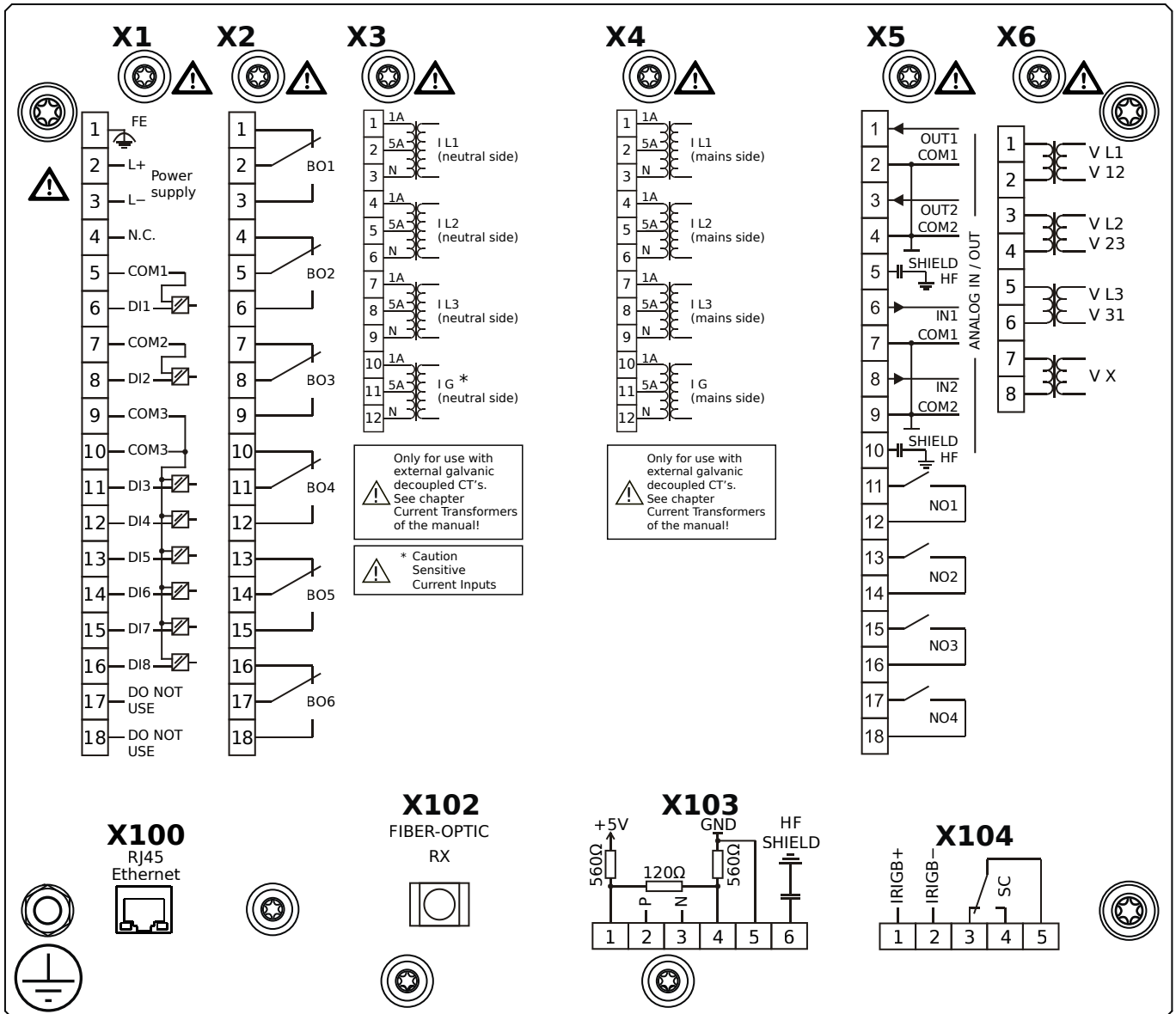


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

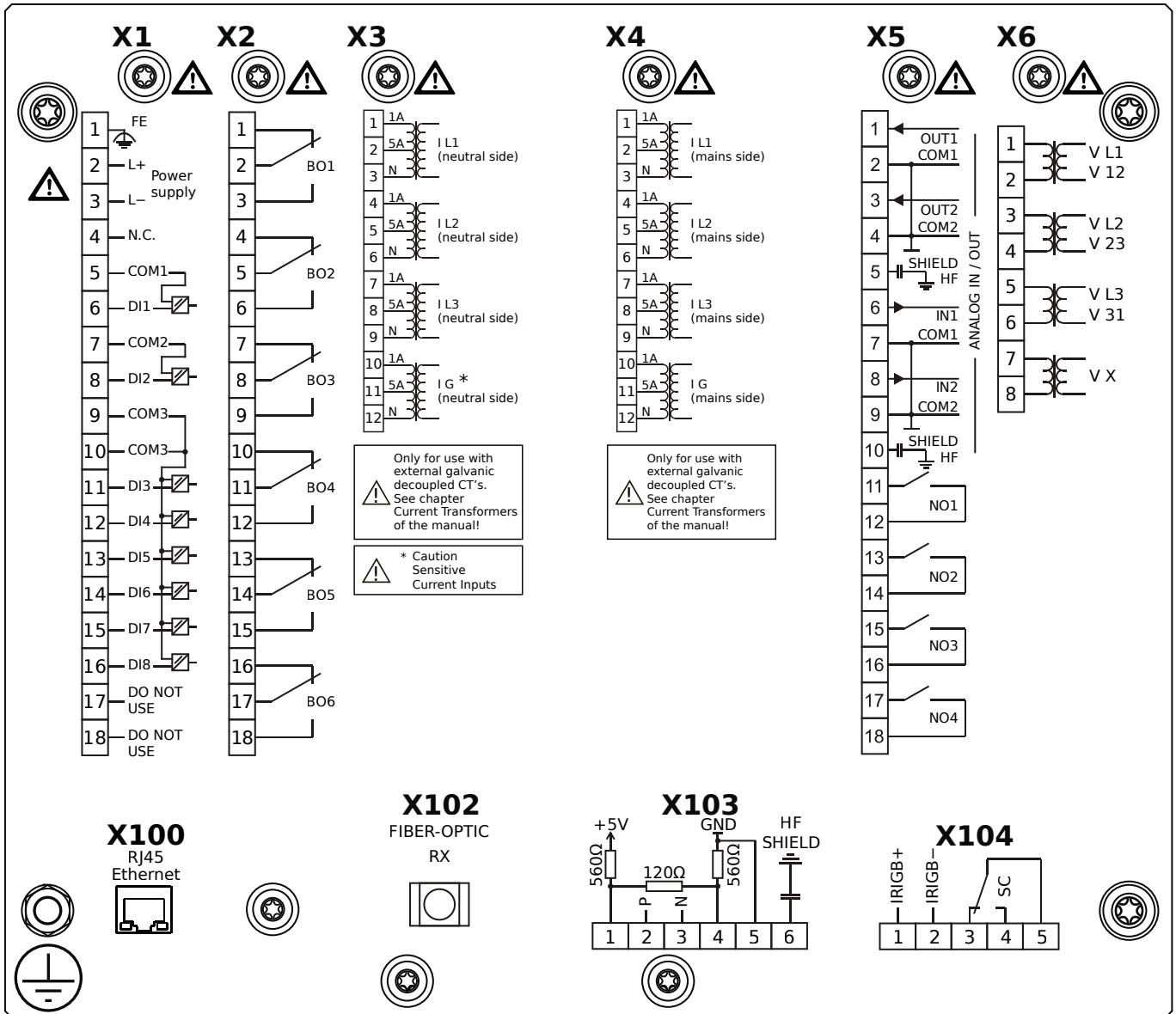
MCDGV4-2B1BIA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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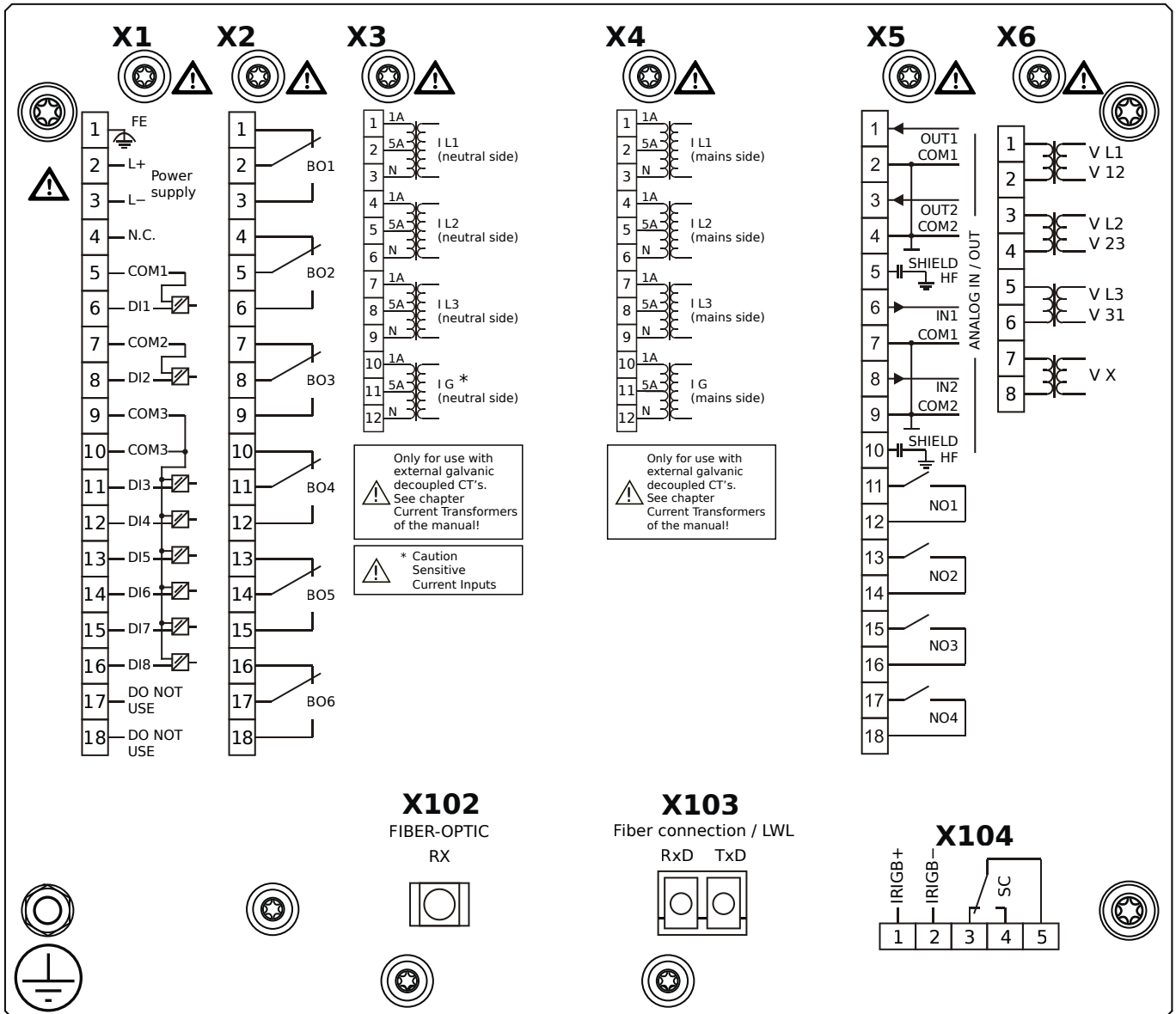


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

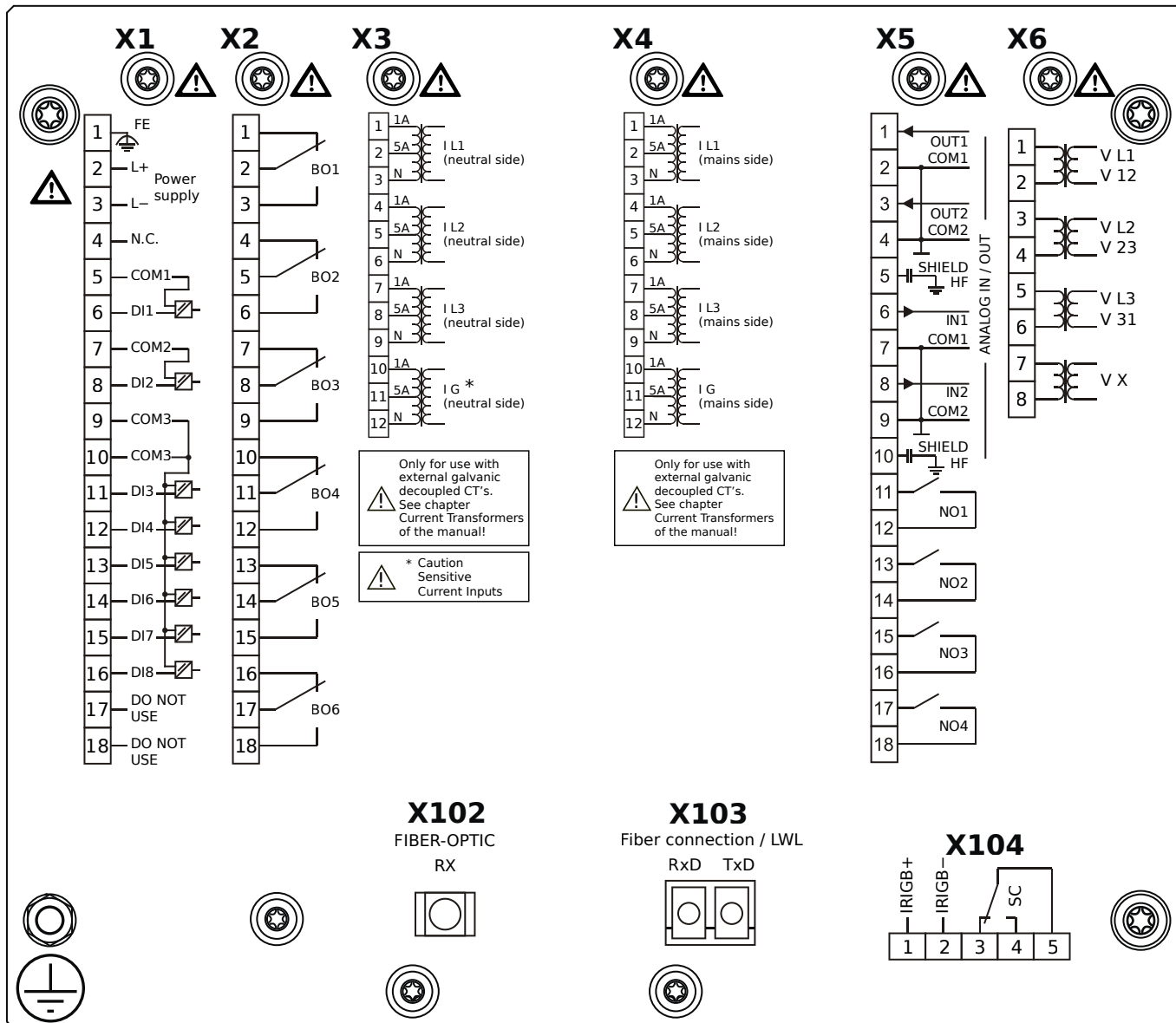
MCDGV4-2B1BKA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1BKB

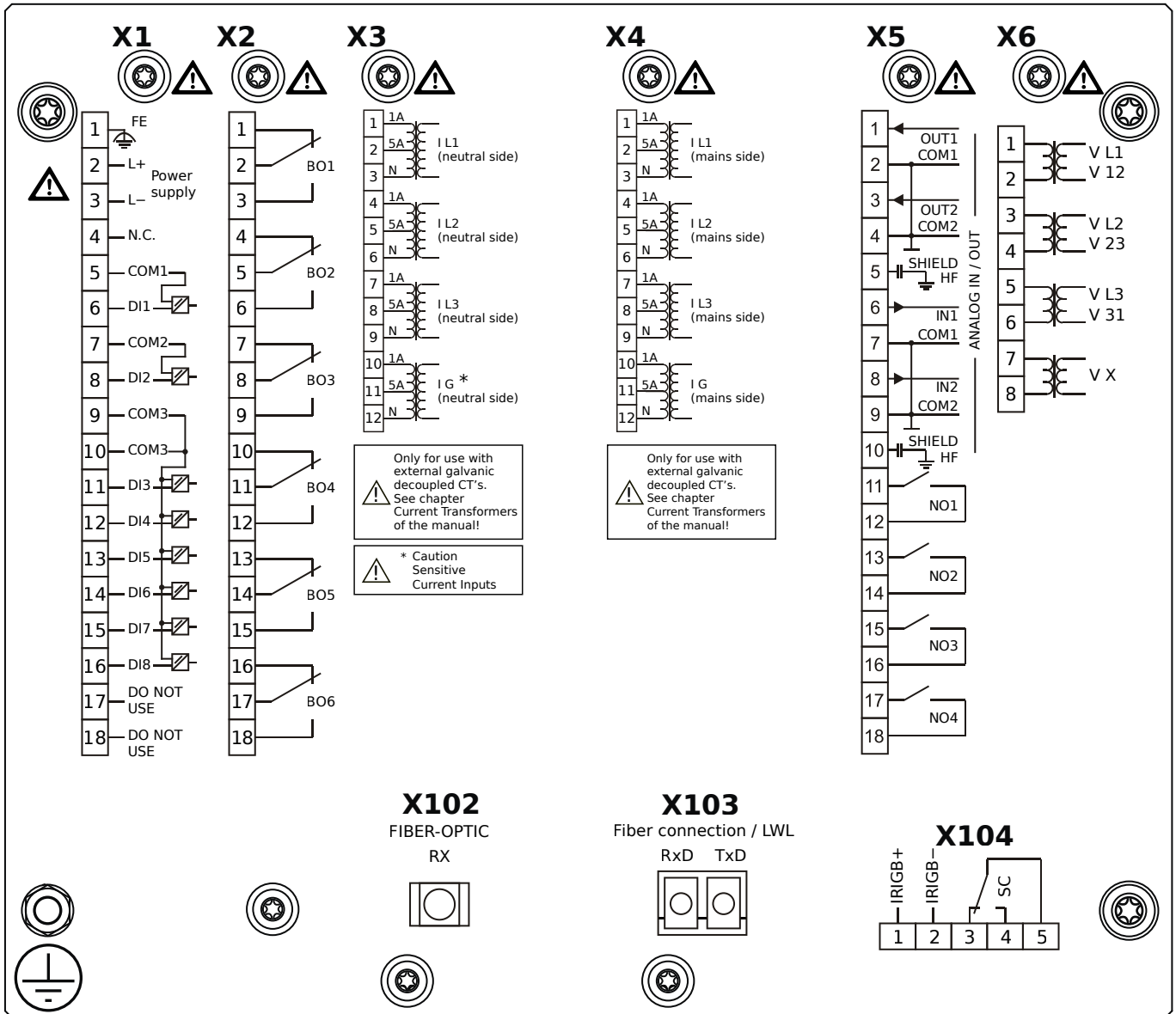


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
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- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

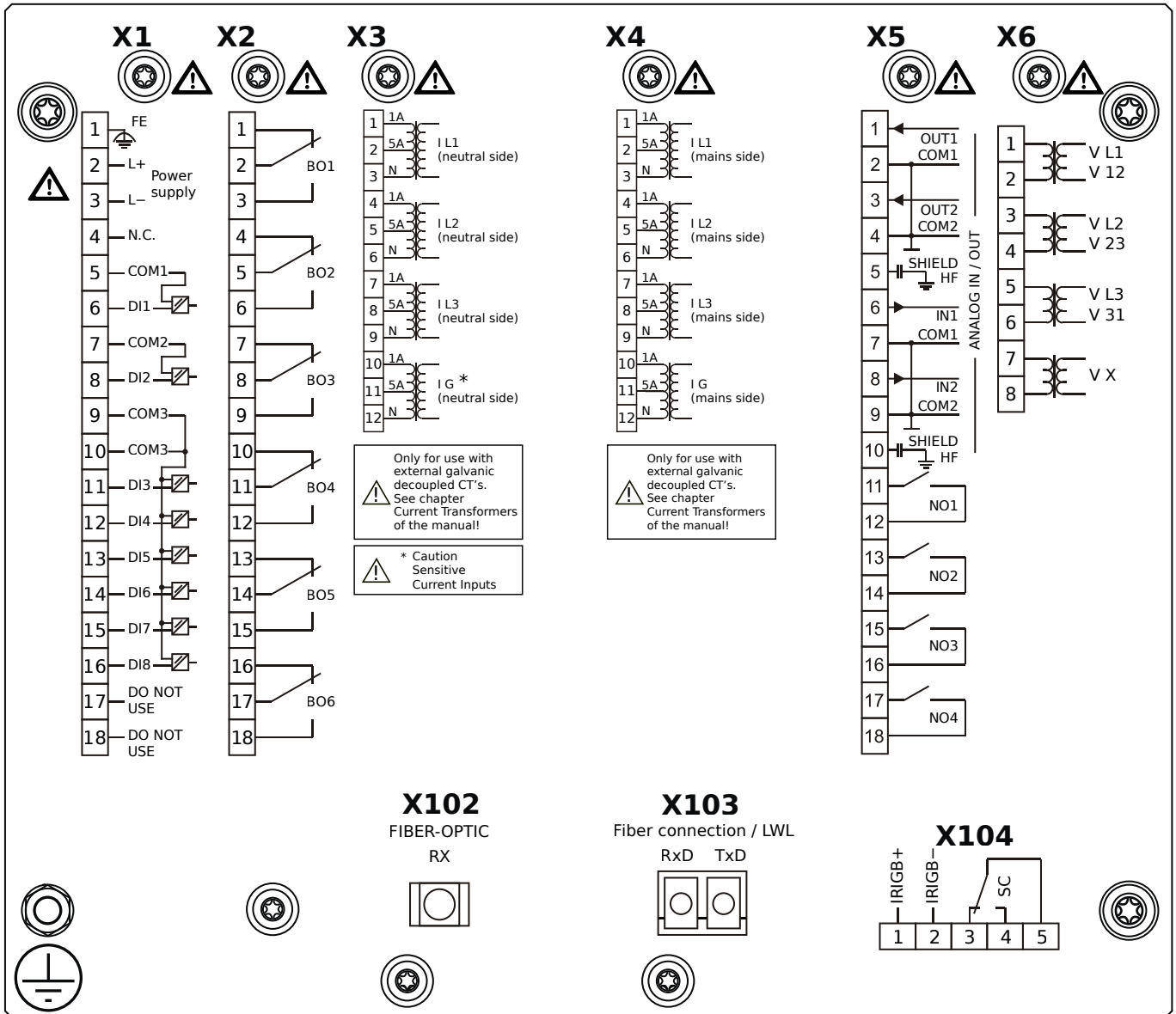
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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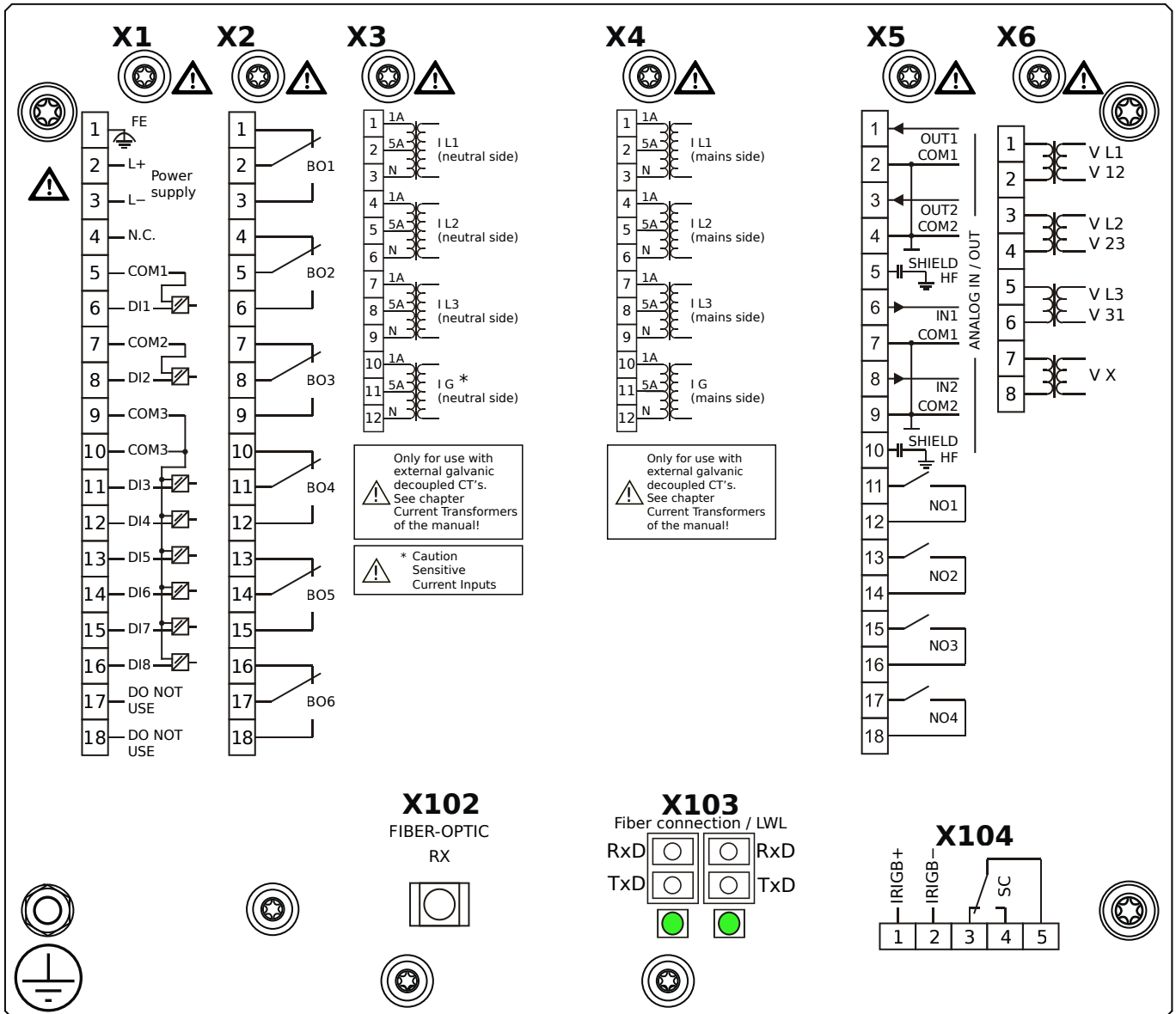


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
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- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

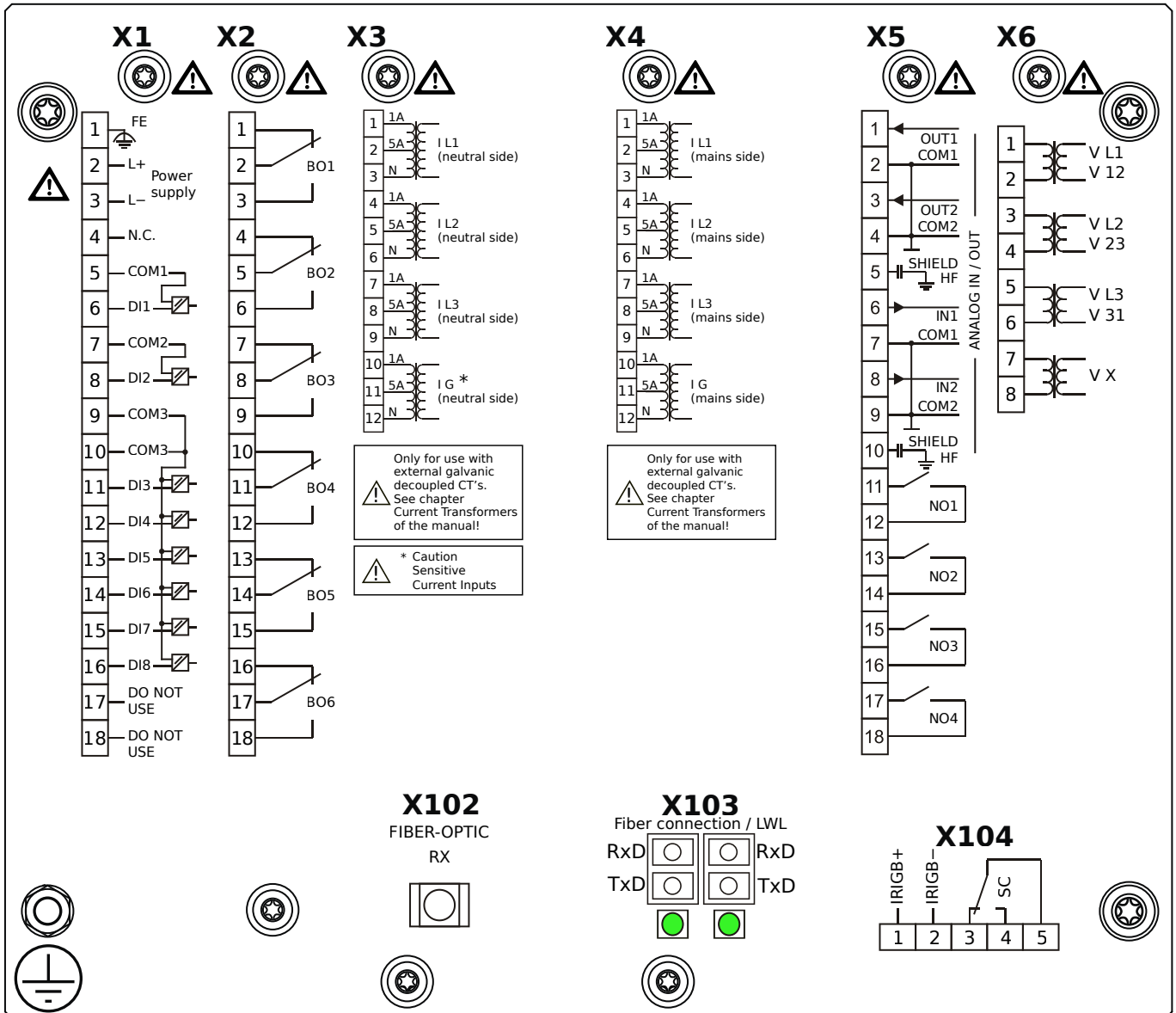
MCDGV4-2B1BOA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1BOB

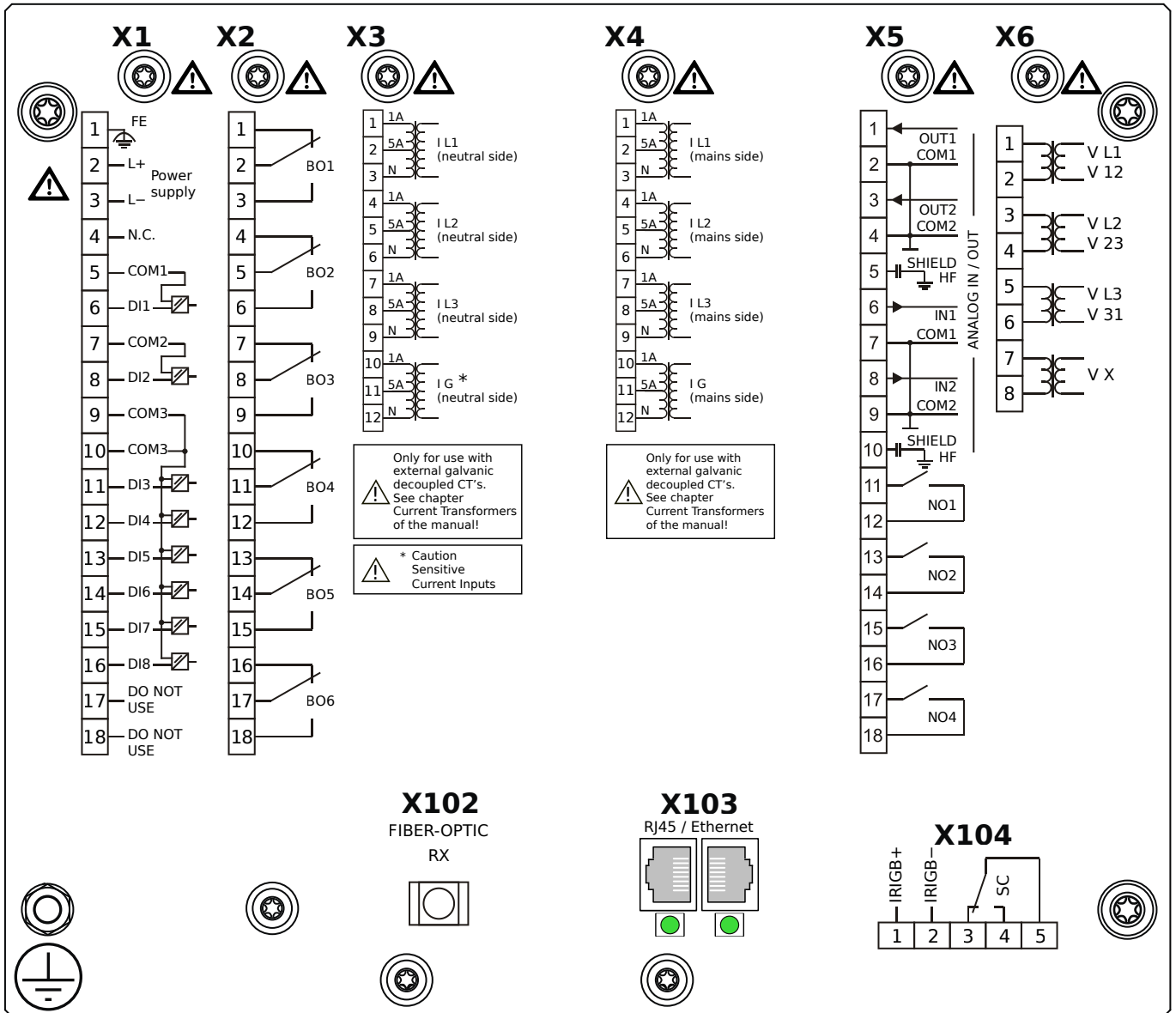


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

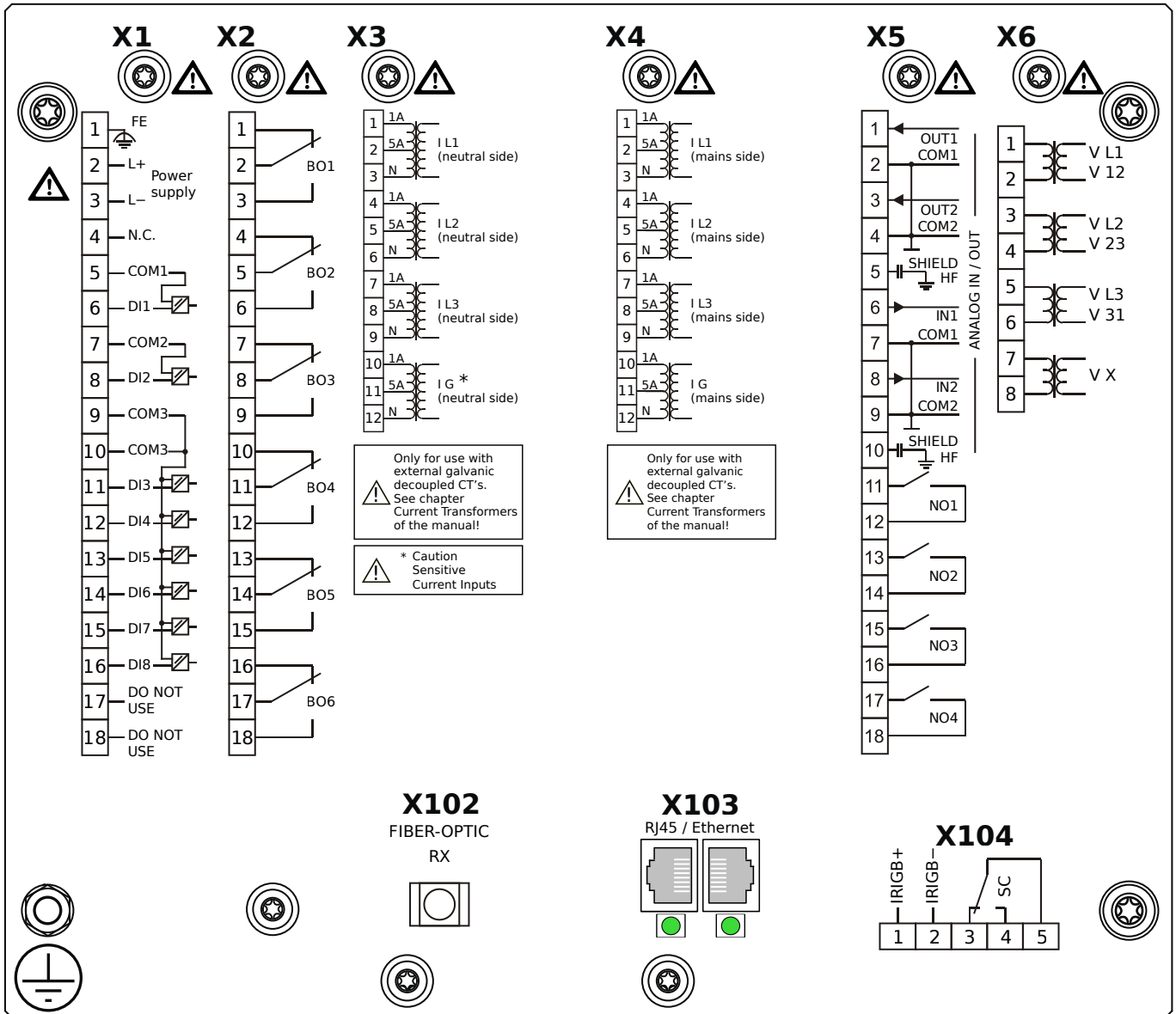
MCDGV4-2B1BPA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1BPB

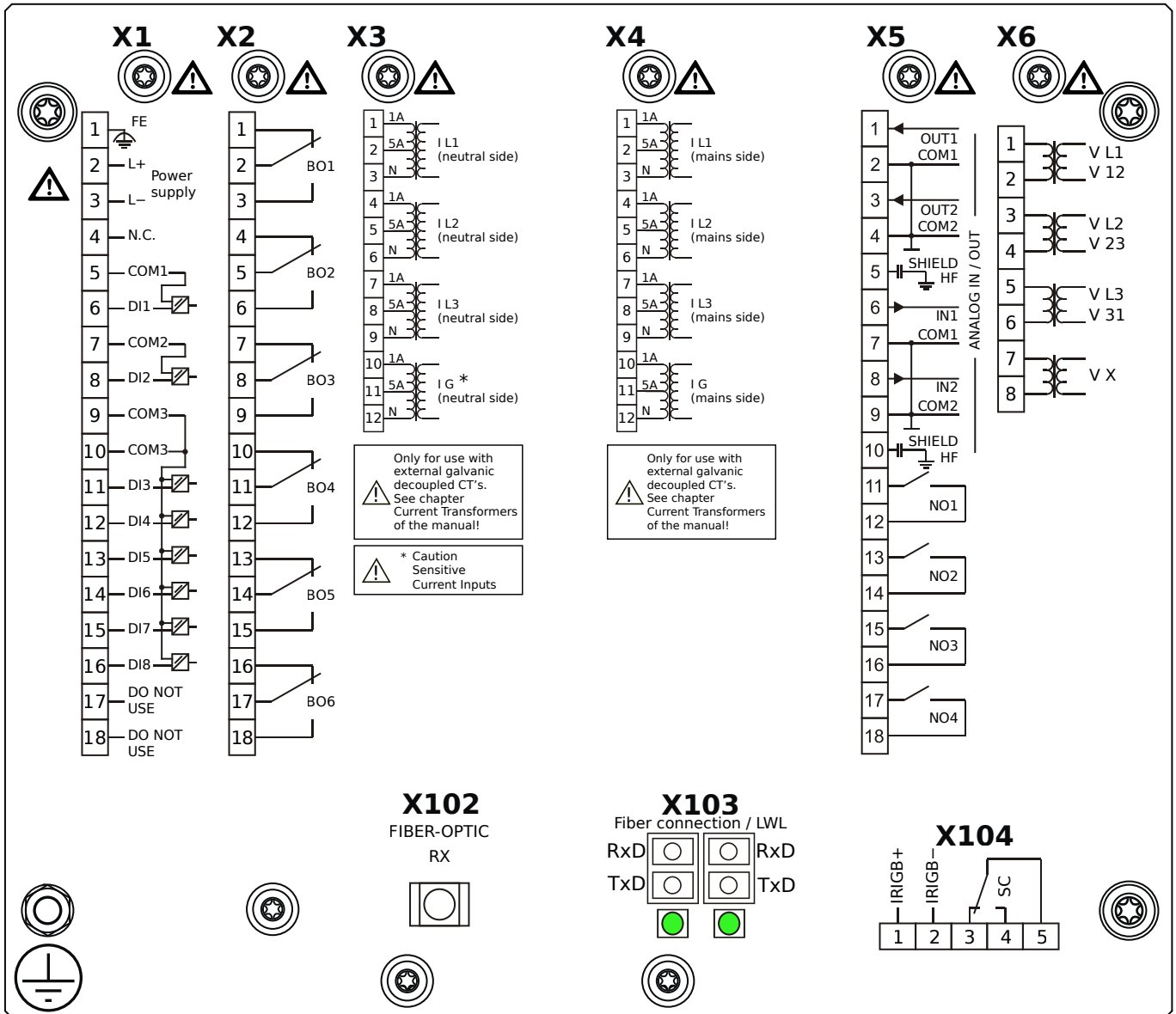


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

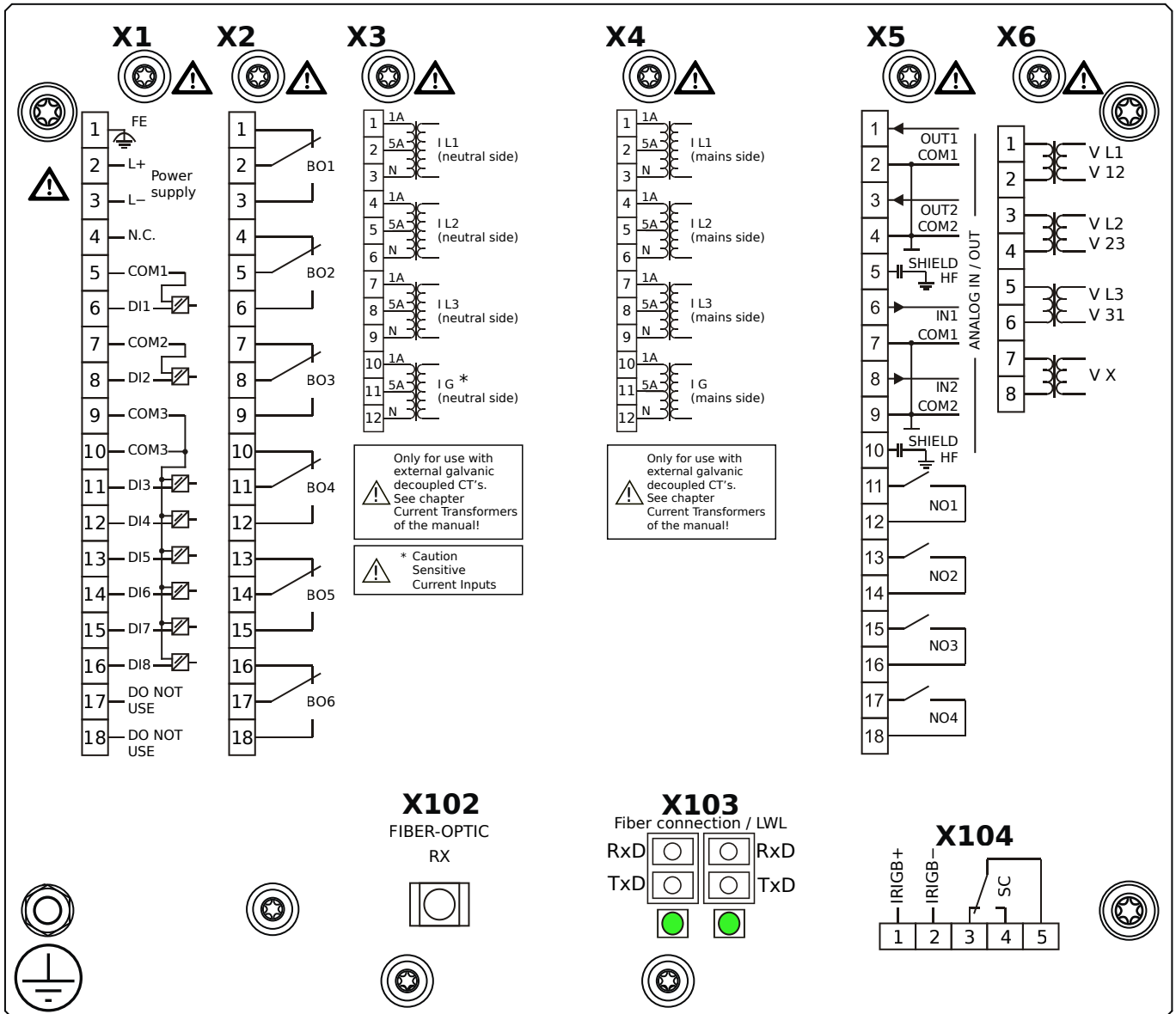
MCDGV4-2B1BQA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1BQB

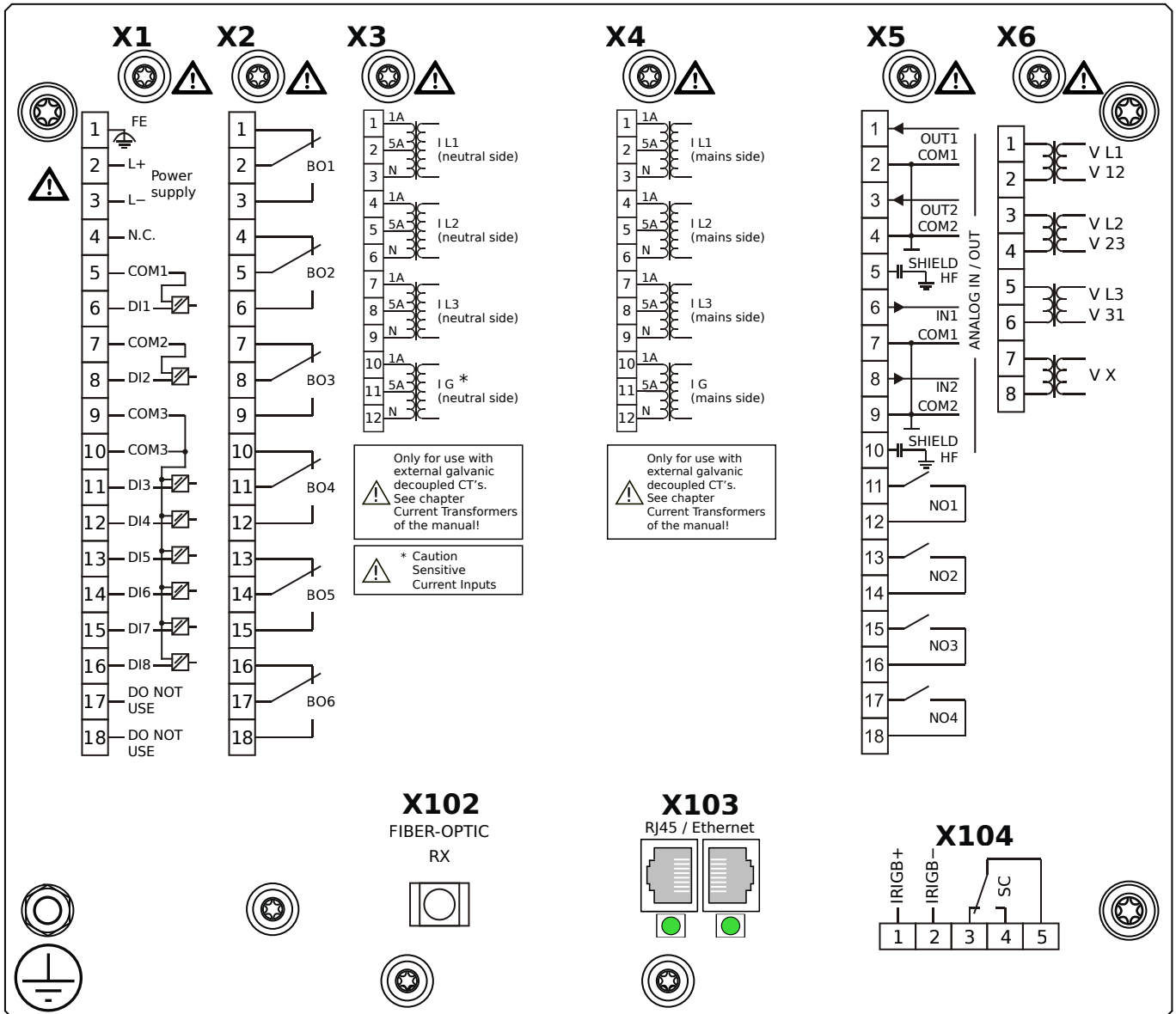


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

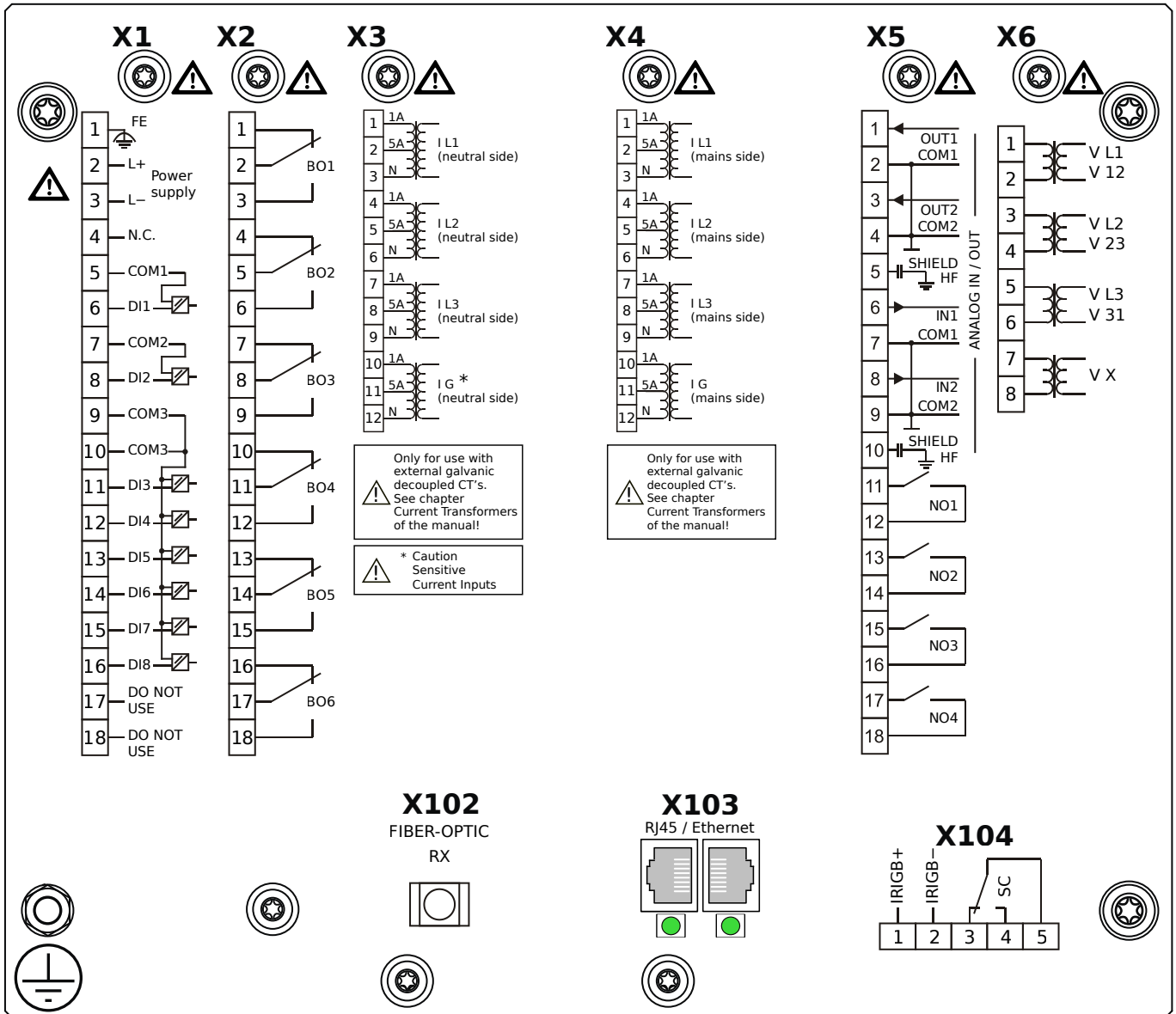
MCDGV4-2B1BRA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1BRB



Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays

X6 – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)

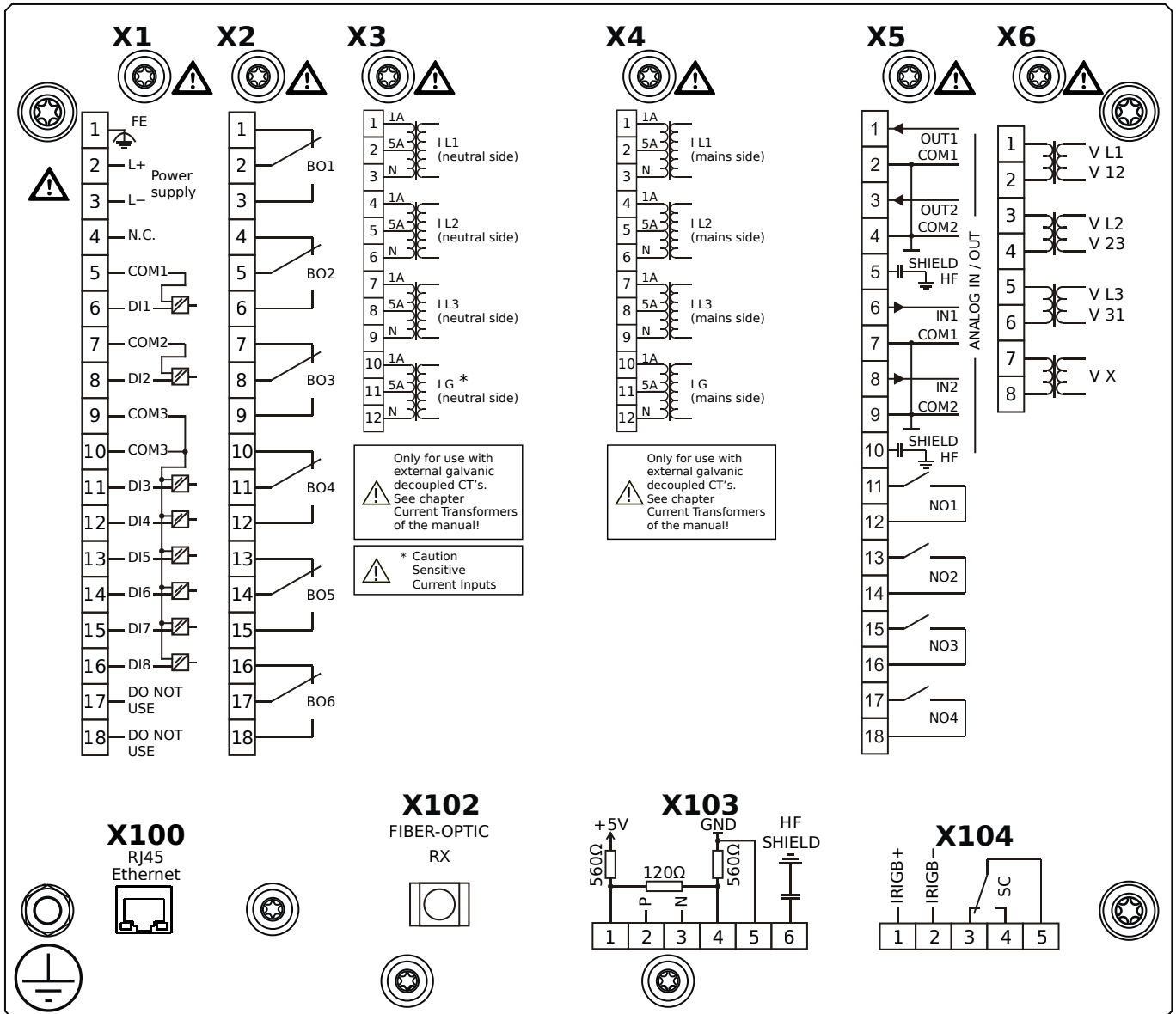
X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45

(BASE100-FX)

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

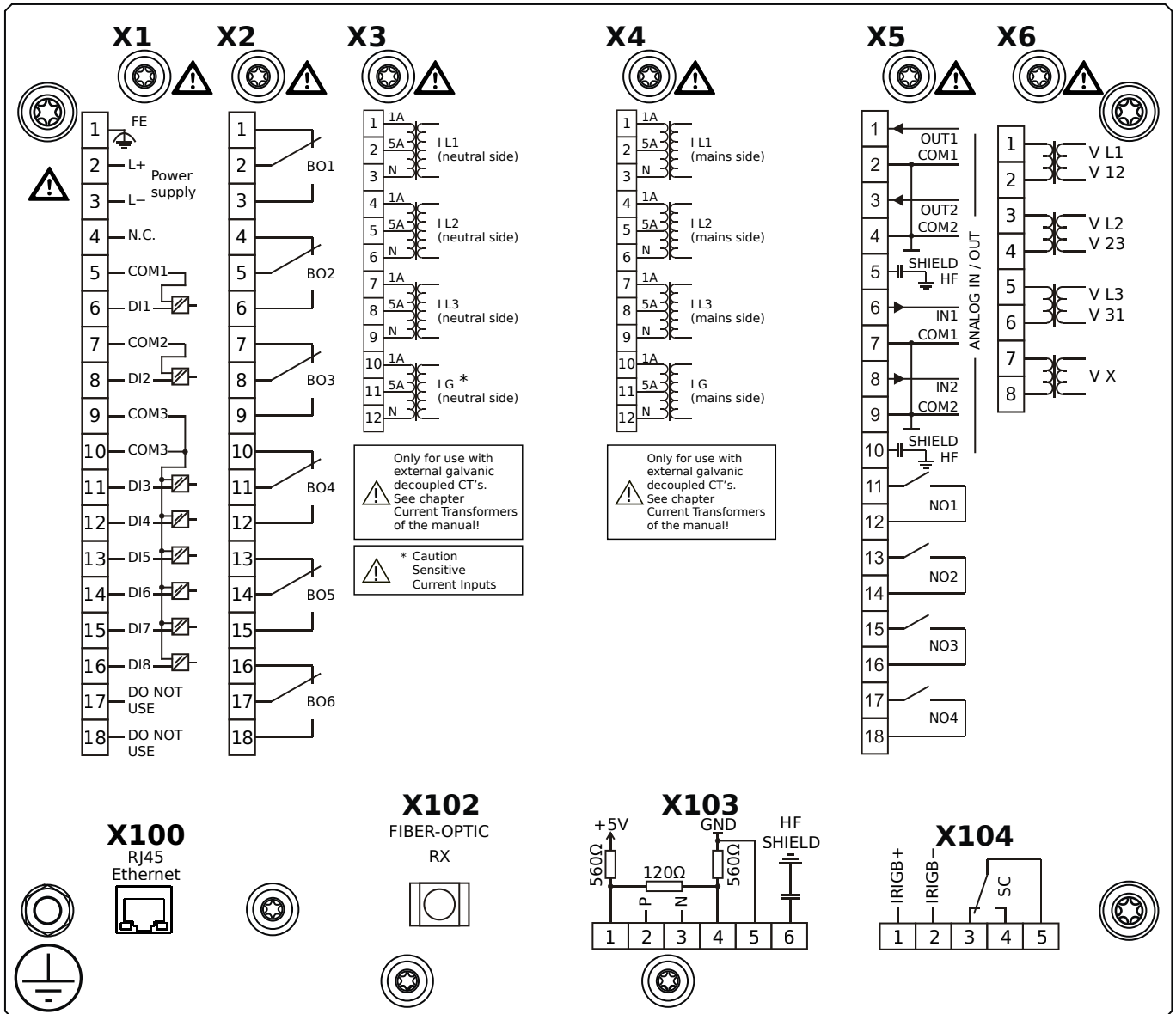
MCDGV4-2B1BTA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2B1BTB

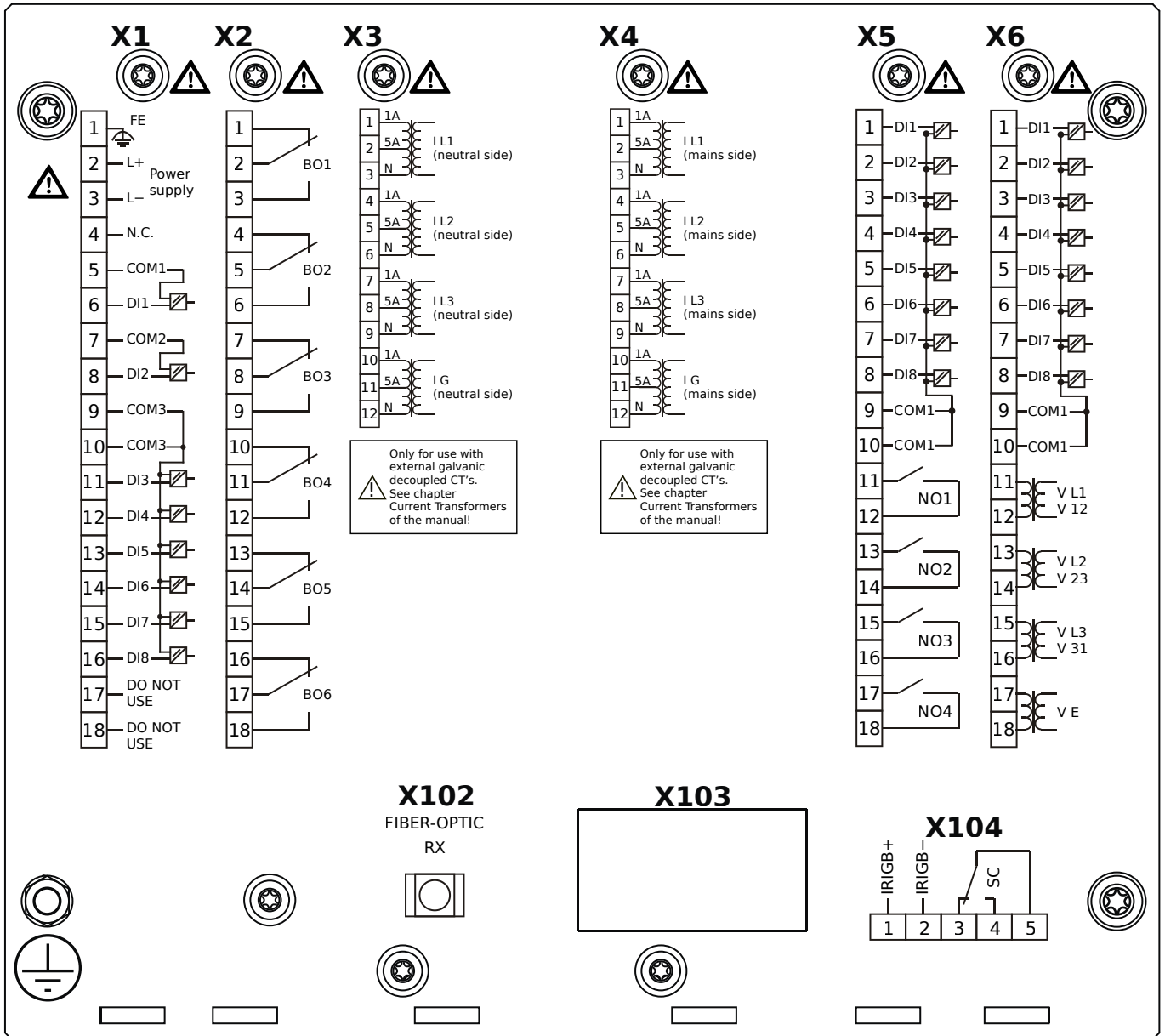


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – AnIO2-OR4: Assembly Group with 2 Analog Inputs, 2 Analog Outputs and 4 Output Relays
- X6** – TU: Card with 4 voltage transformer measuring inputs (0 ... 800 VAC, under UL: 0 ... 600 VAC)
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

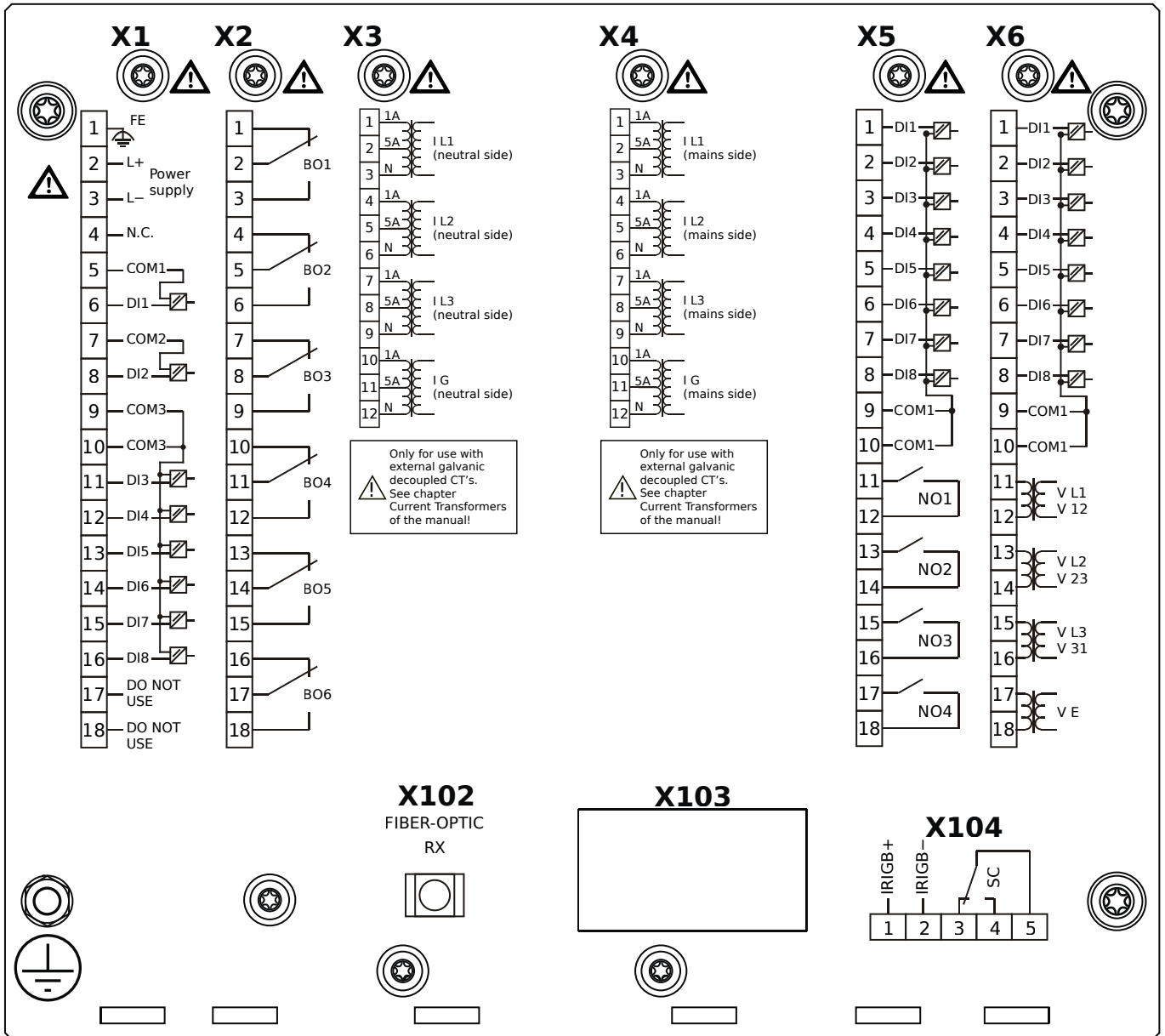
MCDGV4-2C0AAA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C0AAB

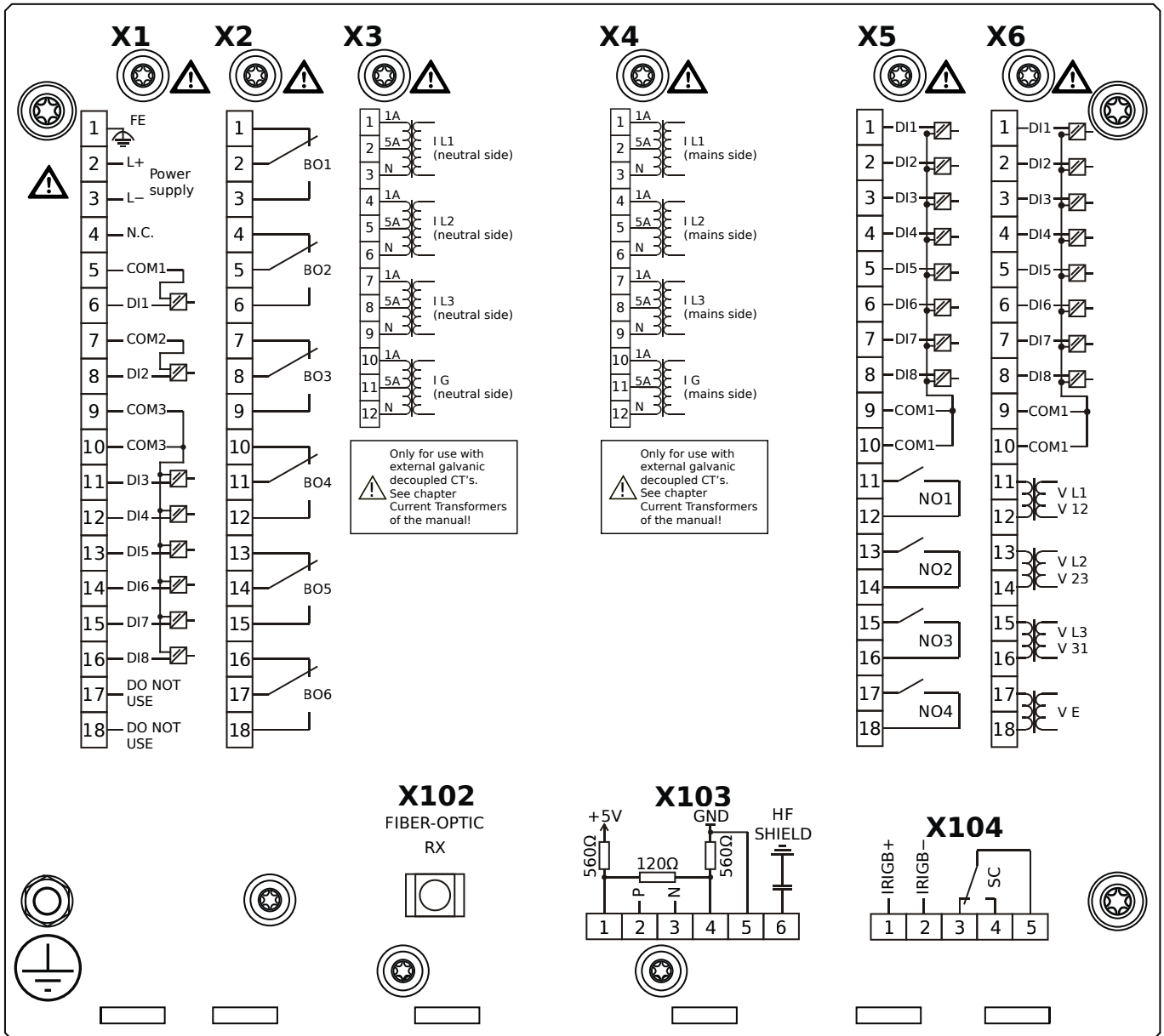


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

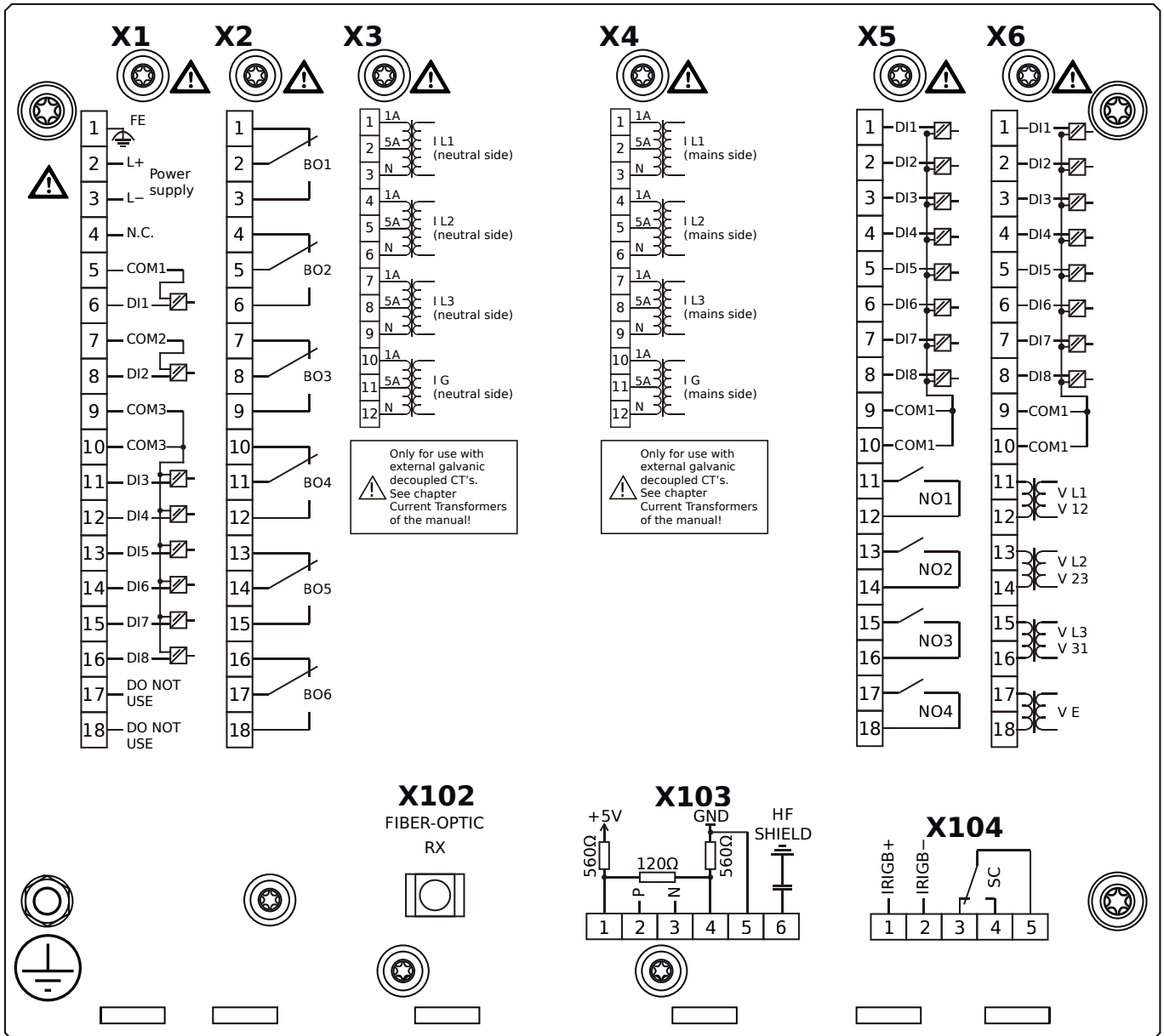
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Housing B2, large display, door mounting

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- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C0ABB

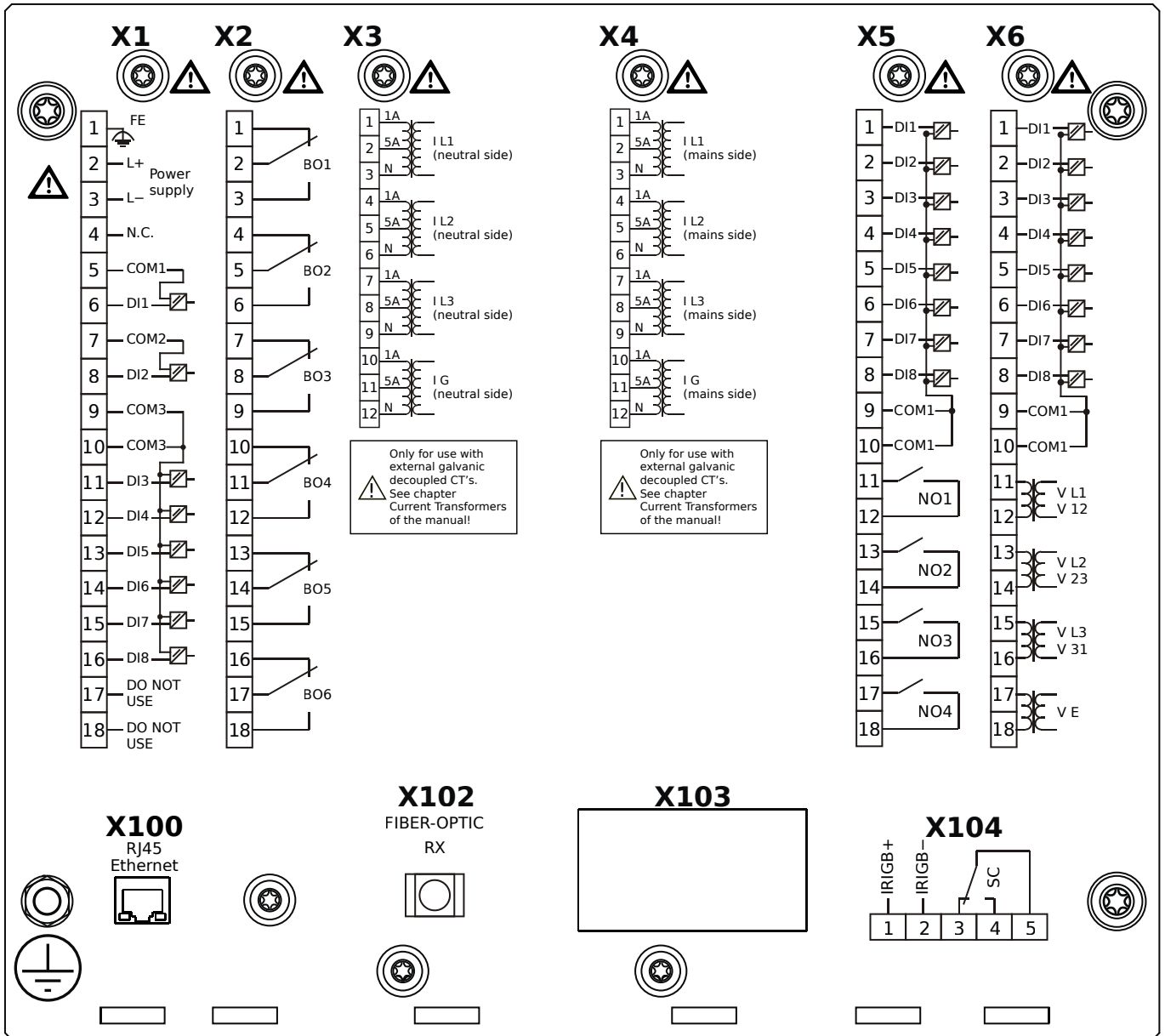


Housing B2, large display, door mounting

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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

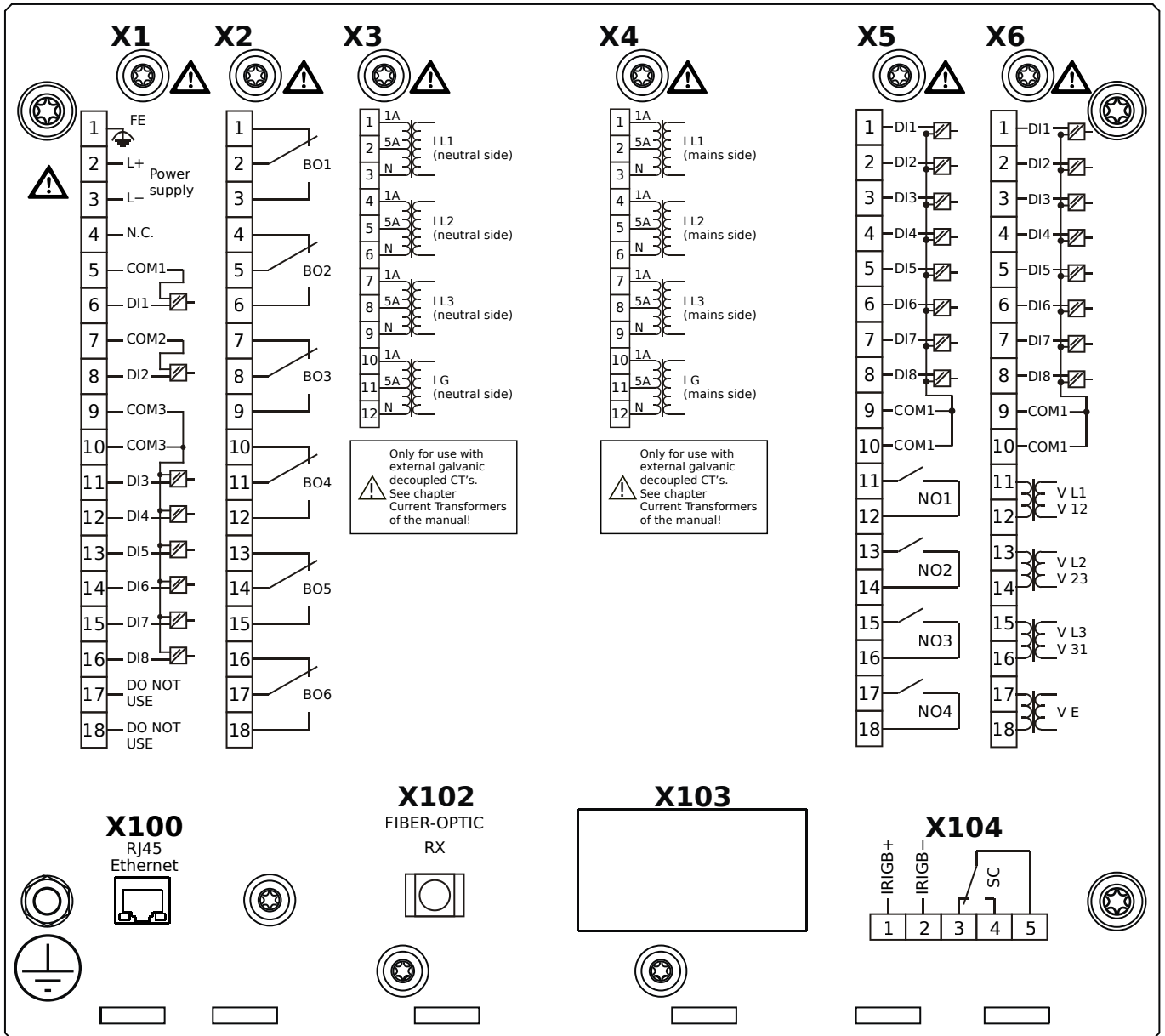
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Housing B2, large display, door mounting

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- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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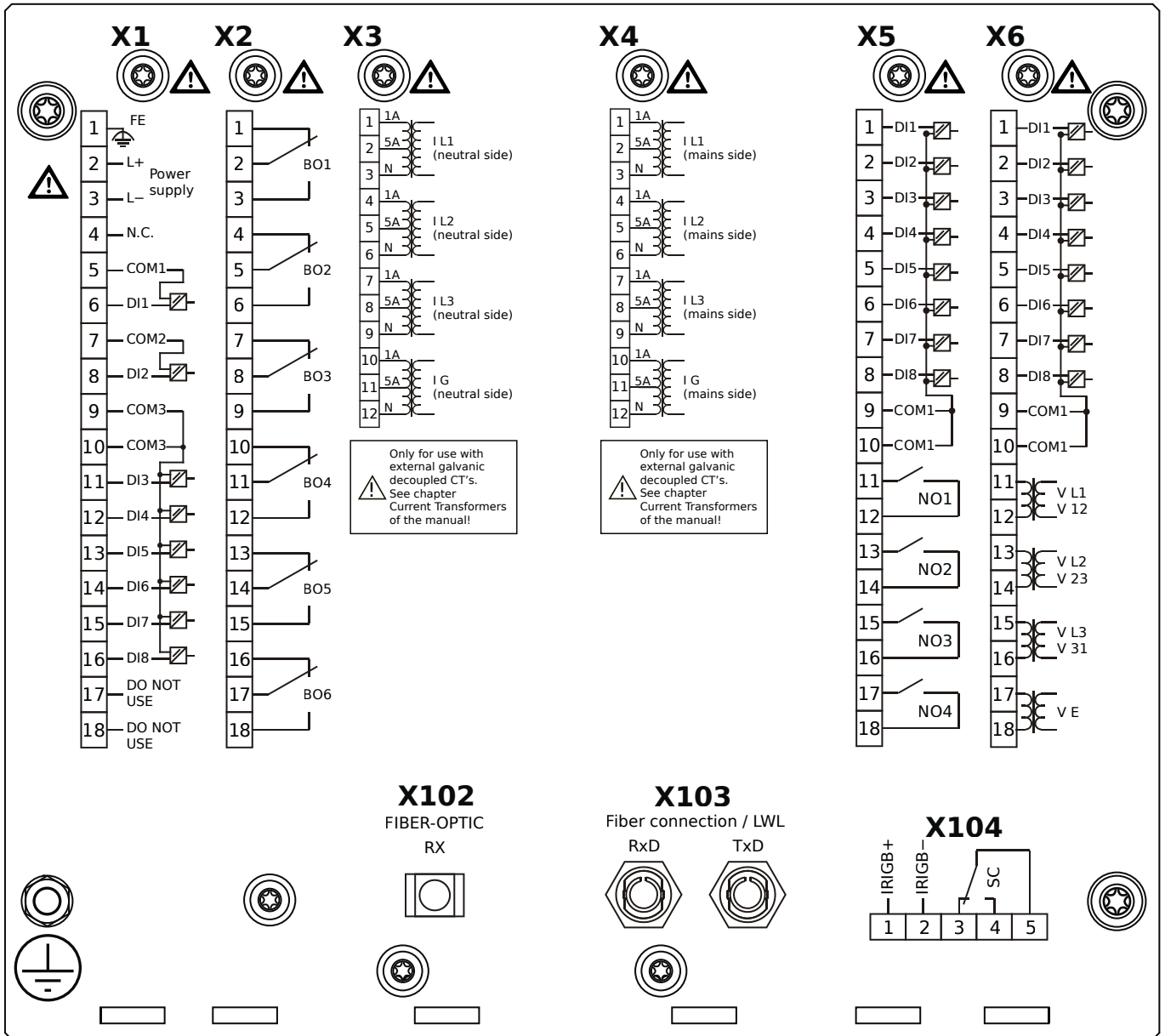


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

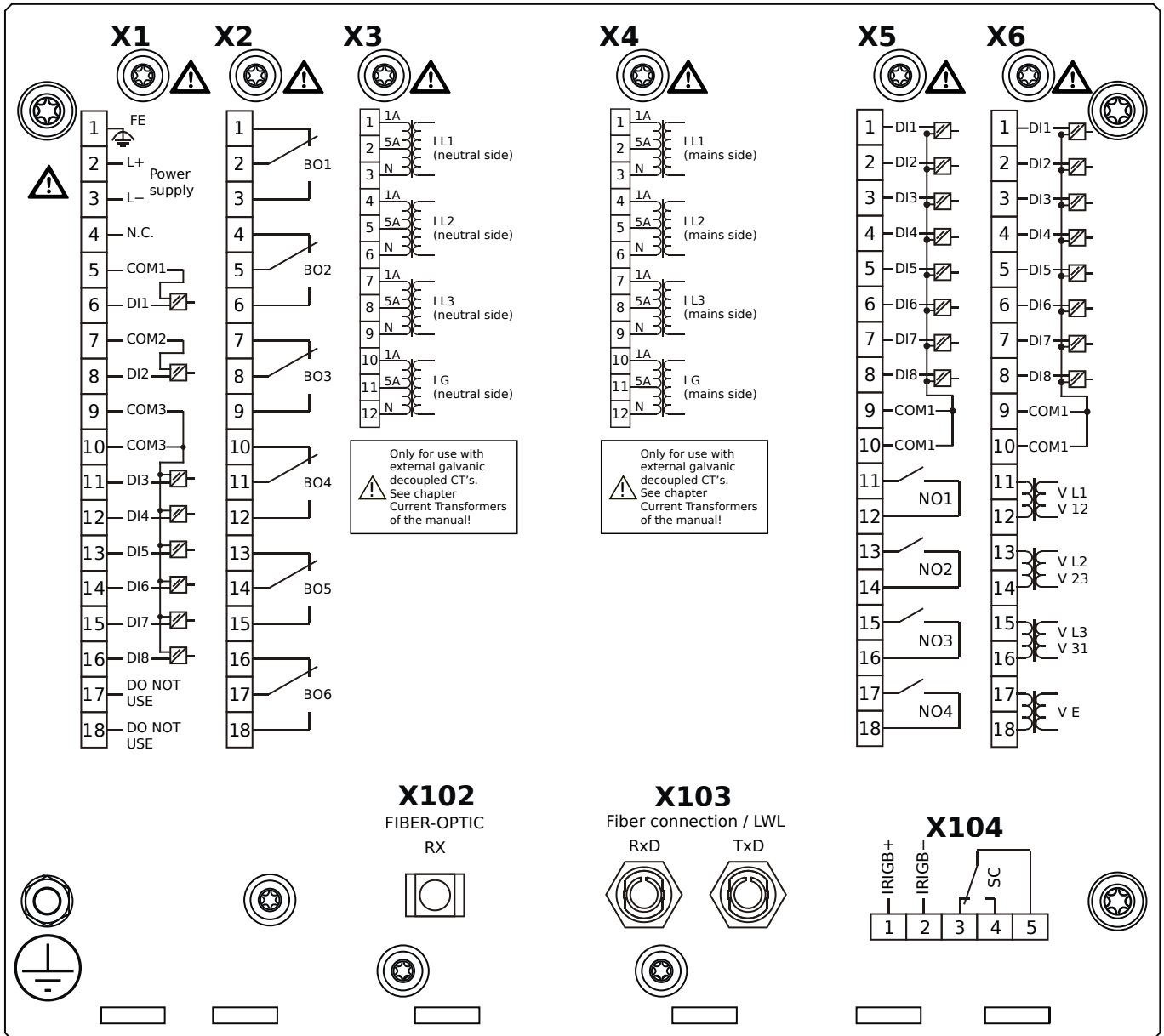
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Housing B2, large display, door mounting

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- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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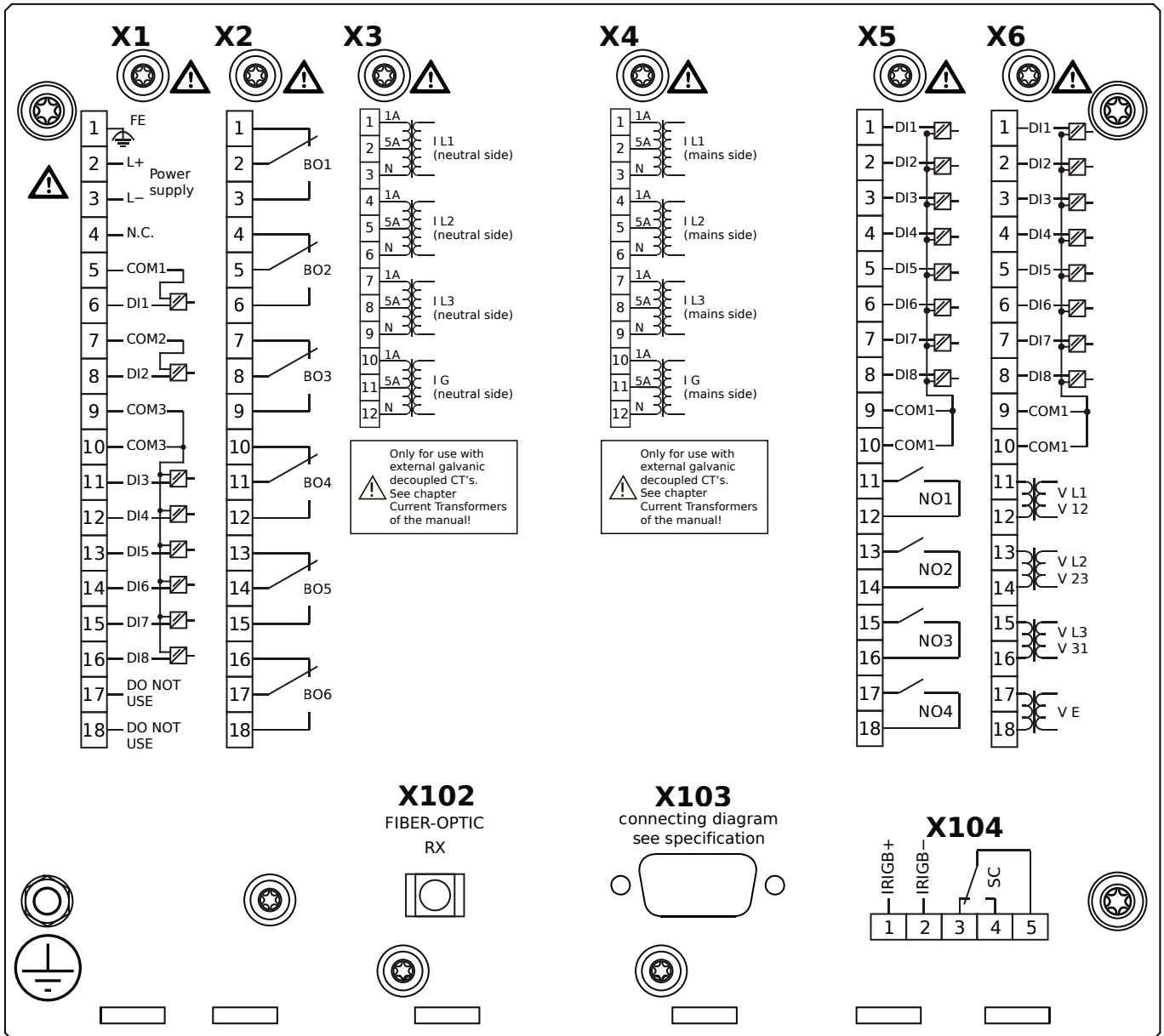


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

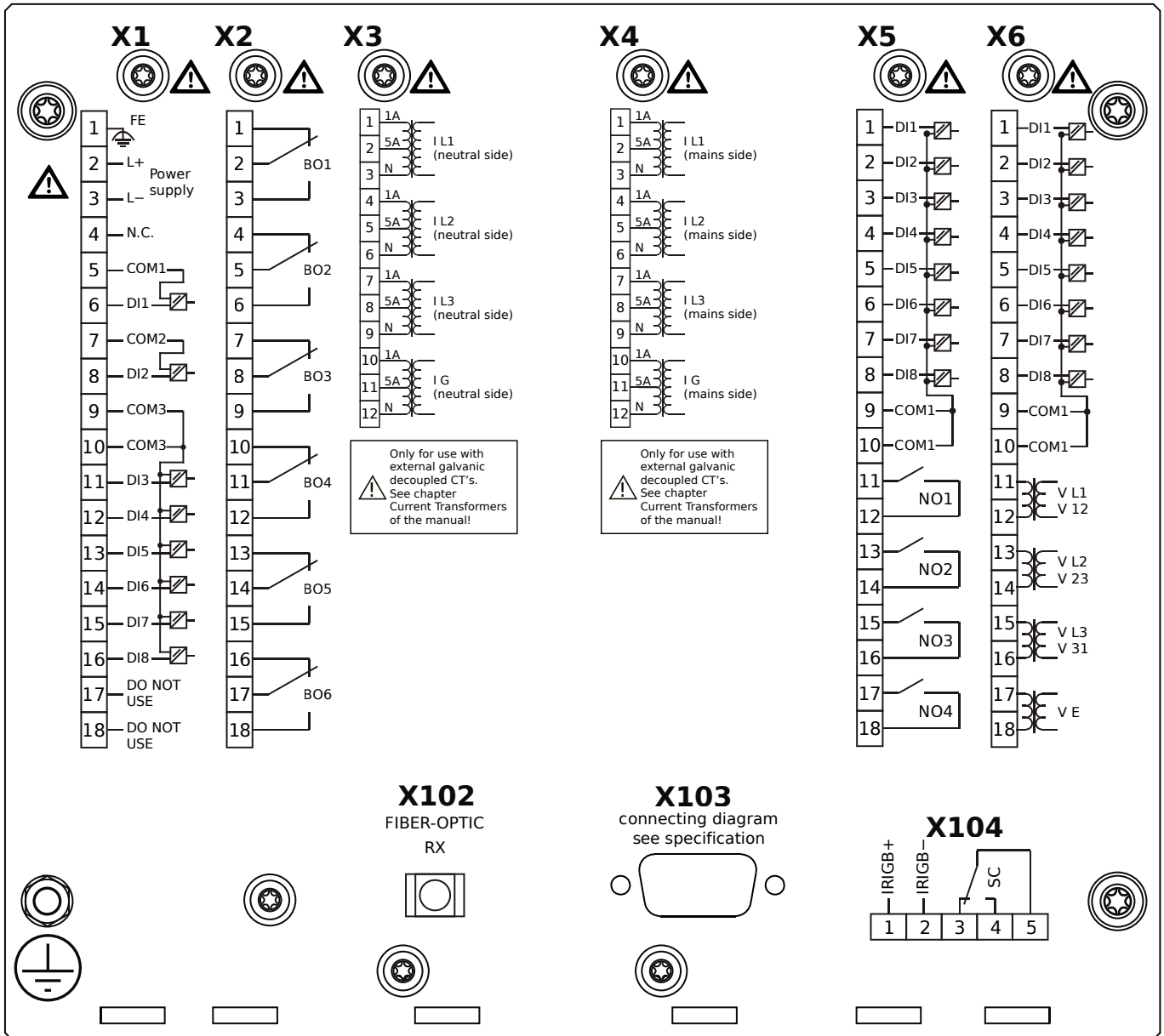
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Housing B2, large display, door mounting

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- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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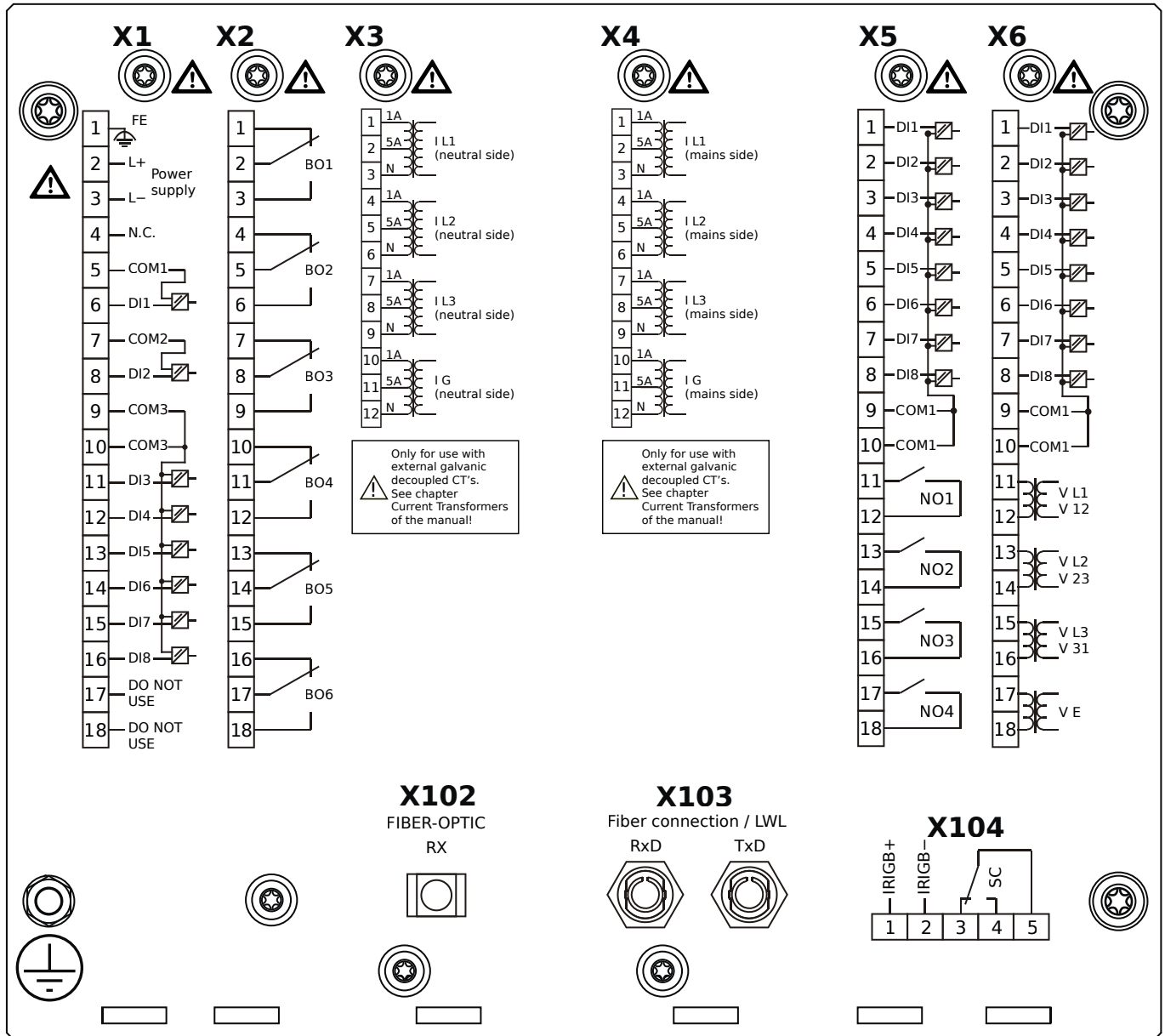


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

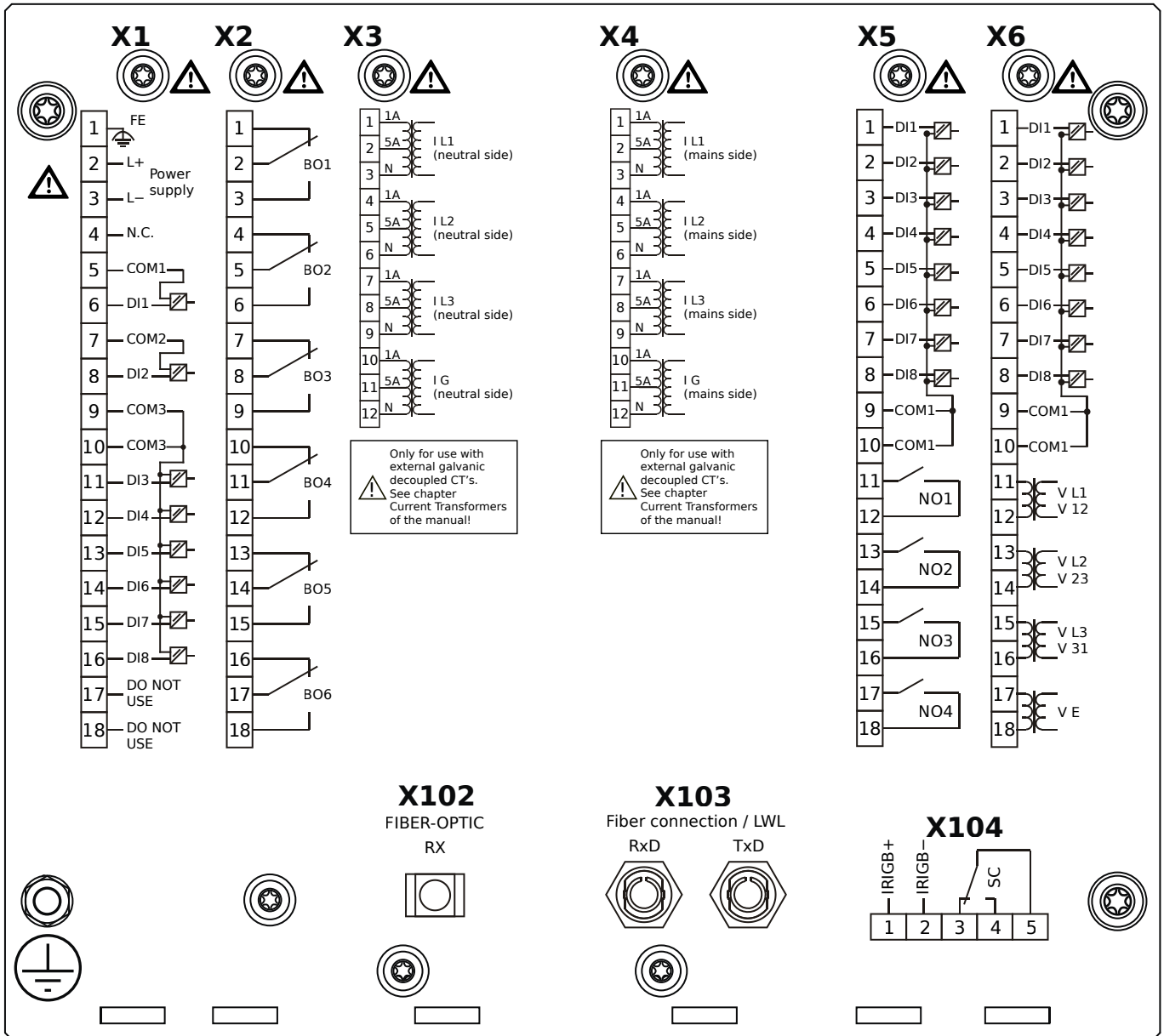
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Housing B2, large display, door mounting

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- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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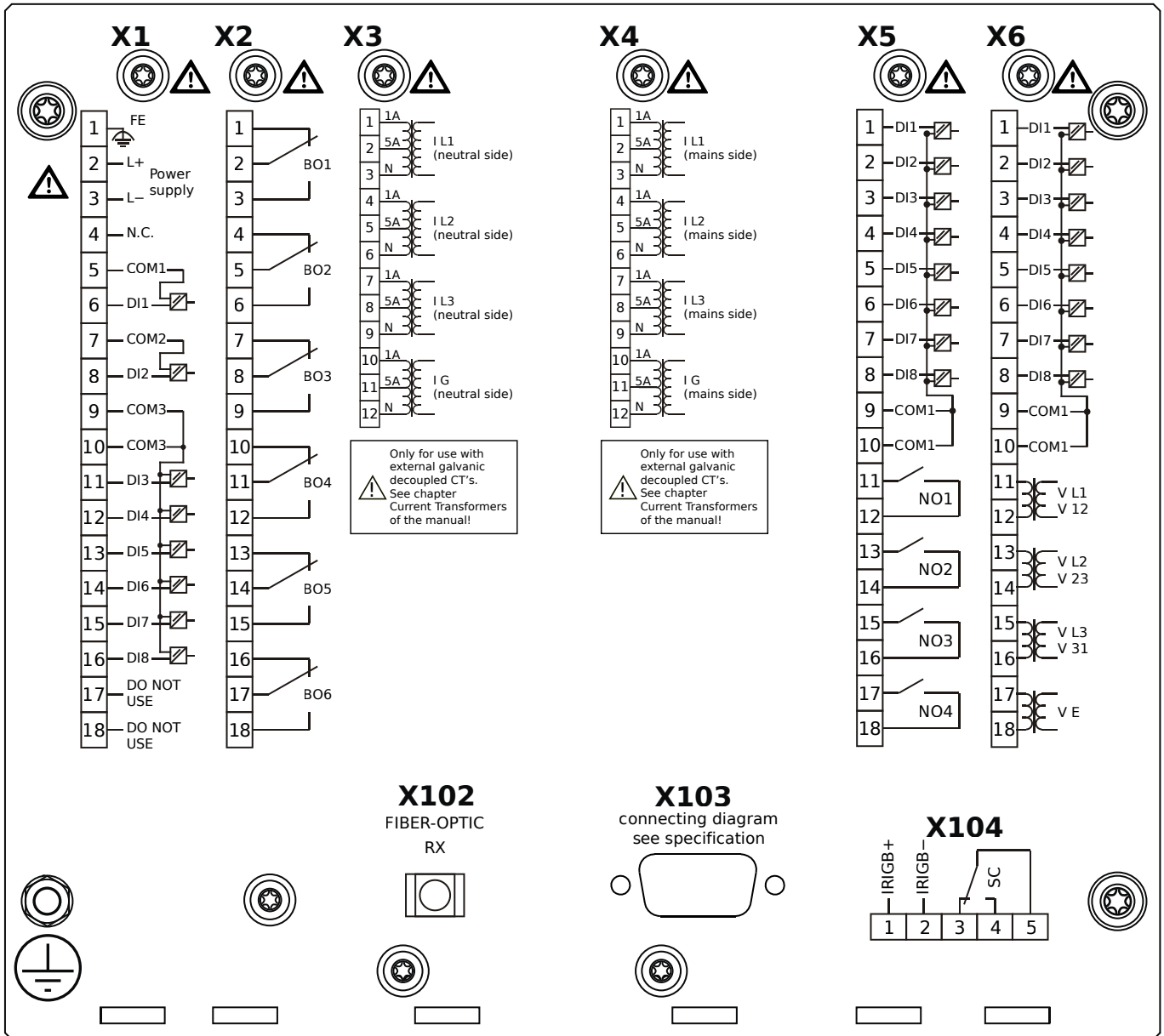


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

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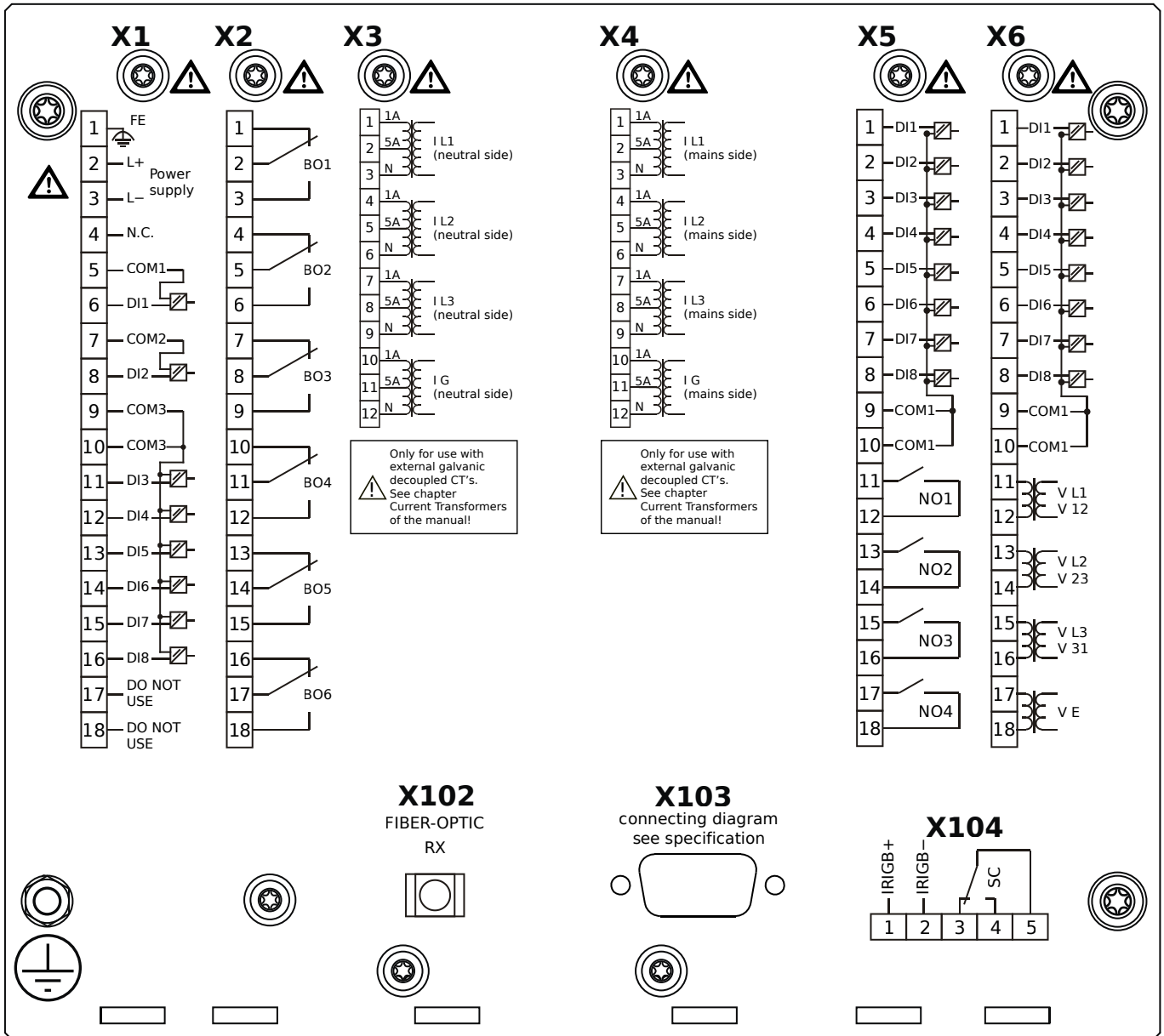
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Housing B2, large display, door mounting

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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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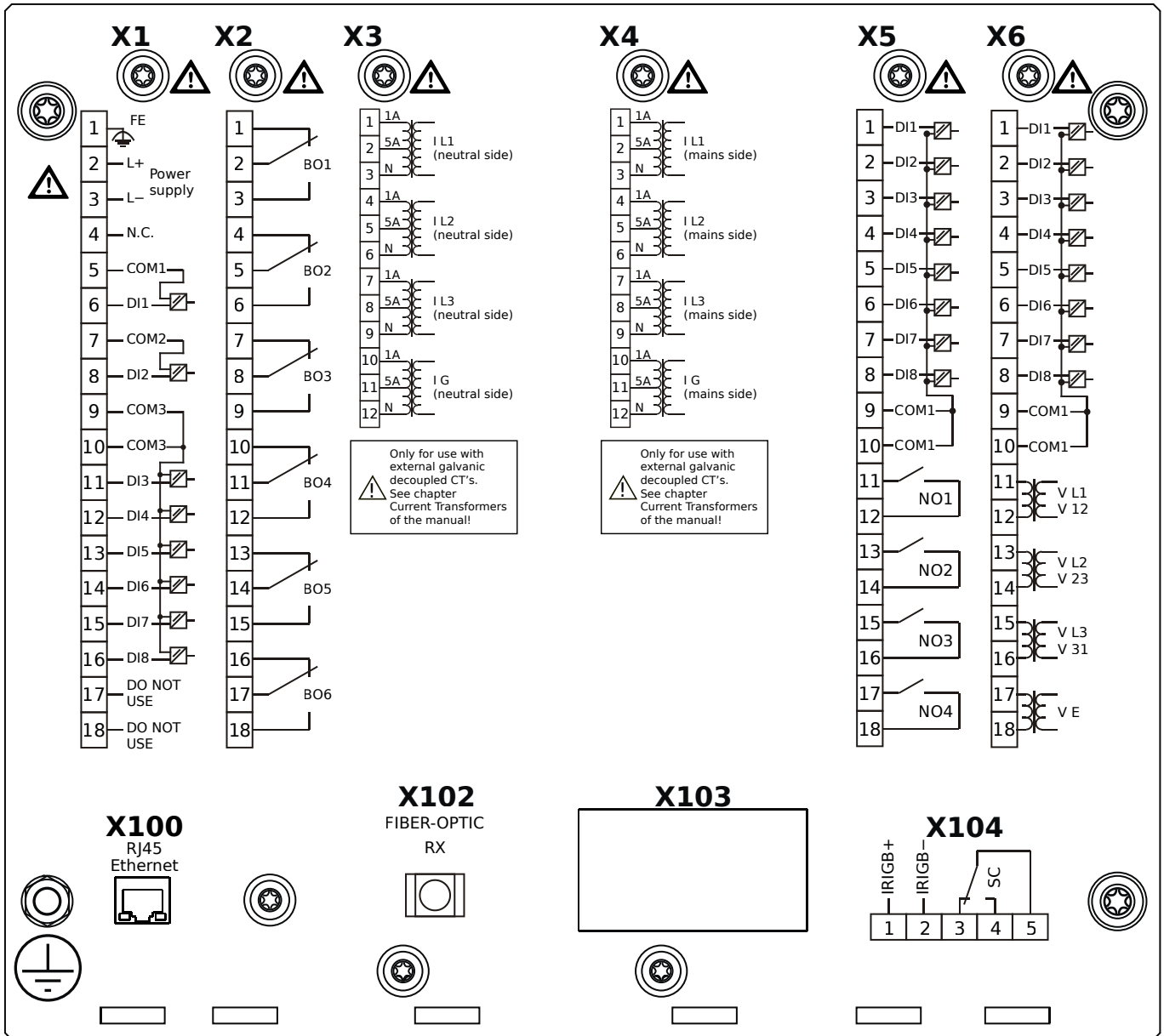


Housing B2, large display, door mounting

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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

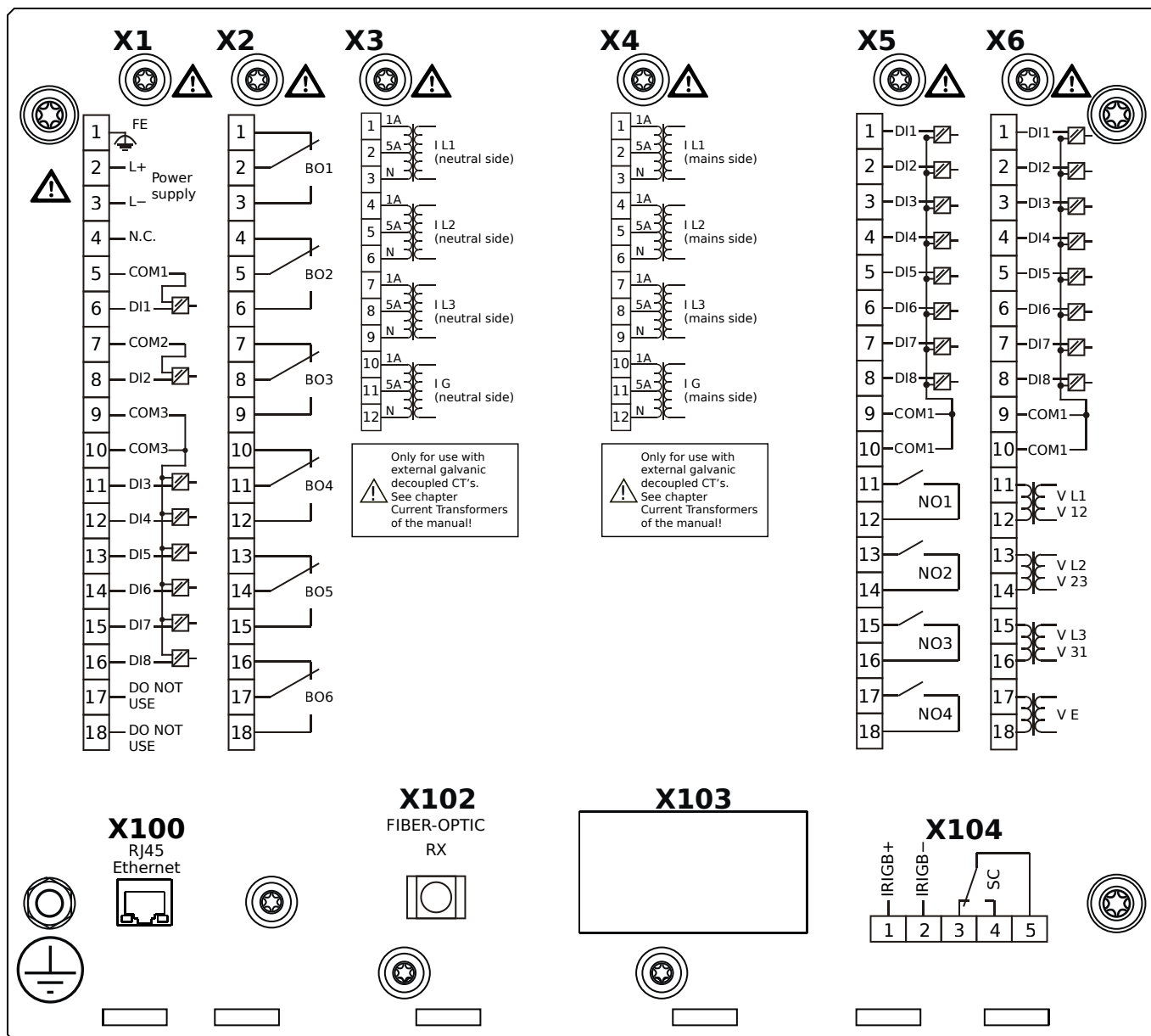
MCDGV4-2C0AHA



Housing B2, large display, door mounting

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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
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MCDGV4-2C0AHB



Housing B2, large display, door mounting

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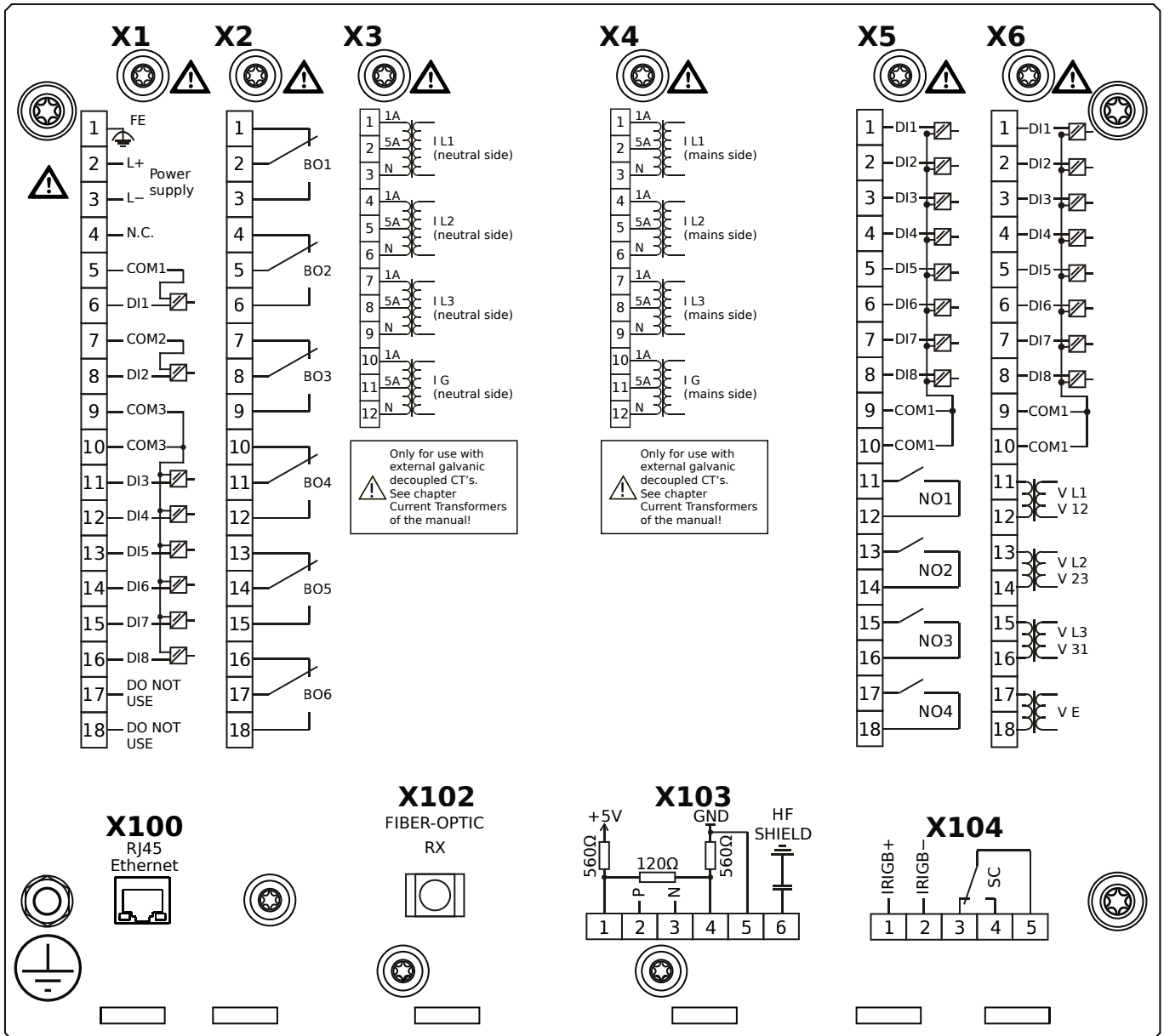
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X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

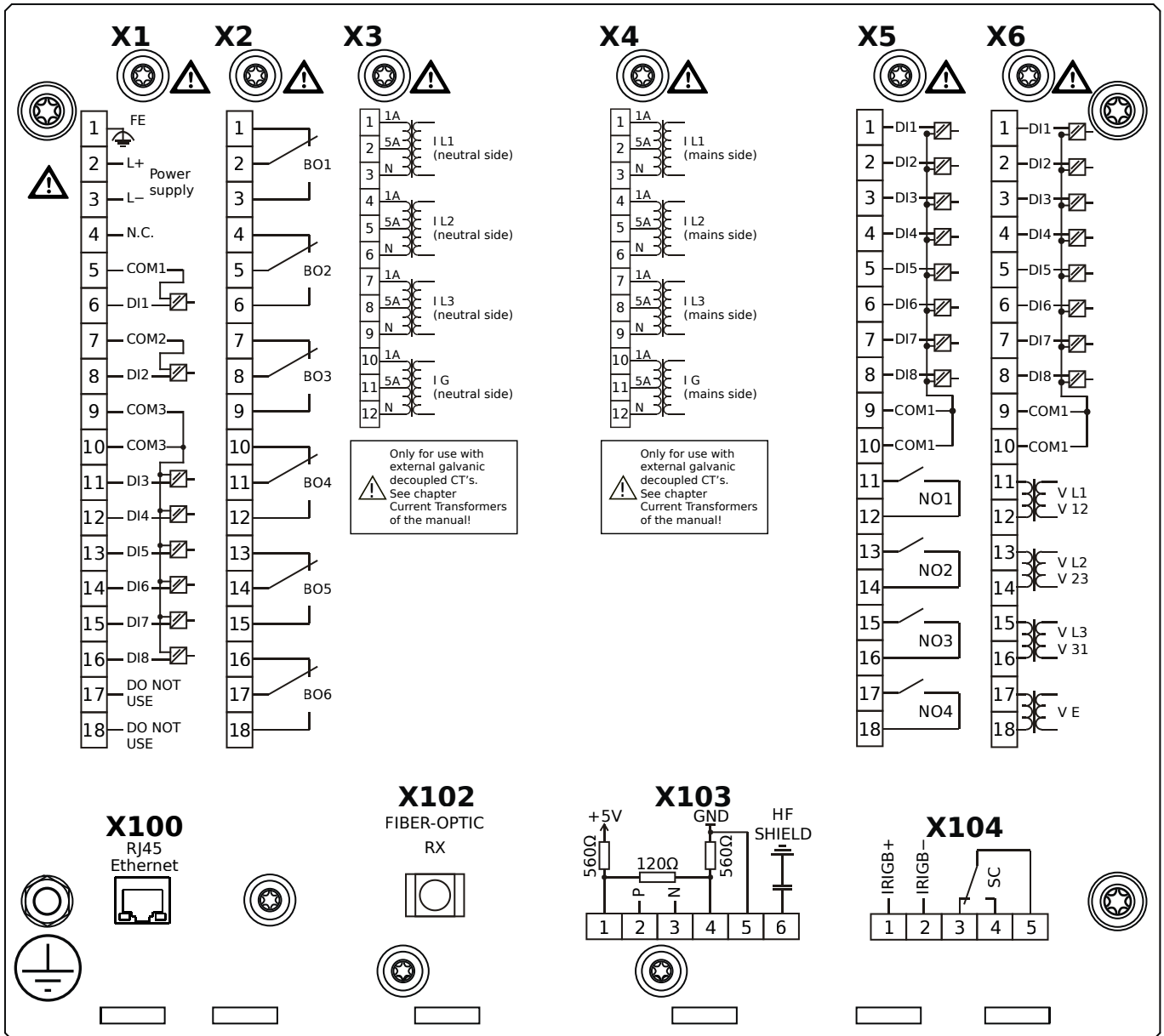
MCDGV4-2C0AIA



Housing B2, large display, door mounting

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MCDGV4-2C0AIB

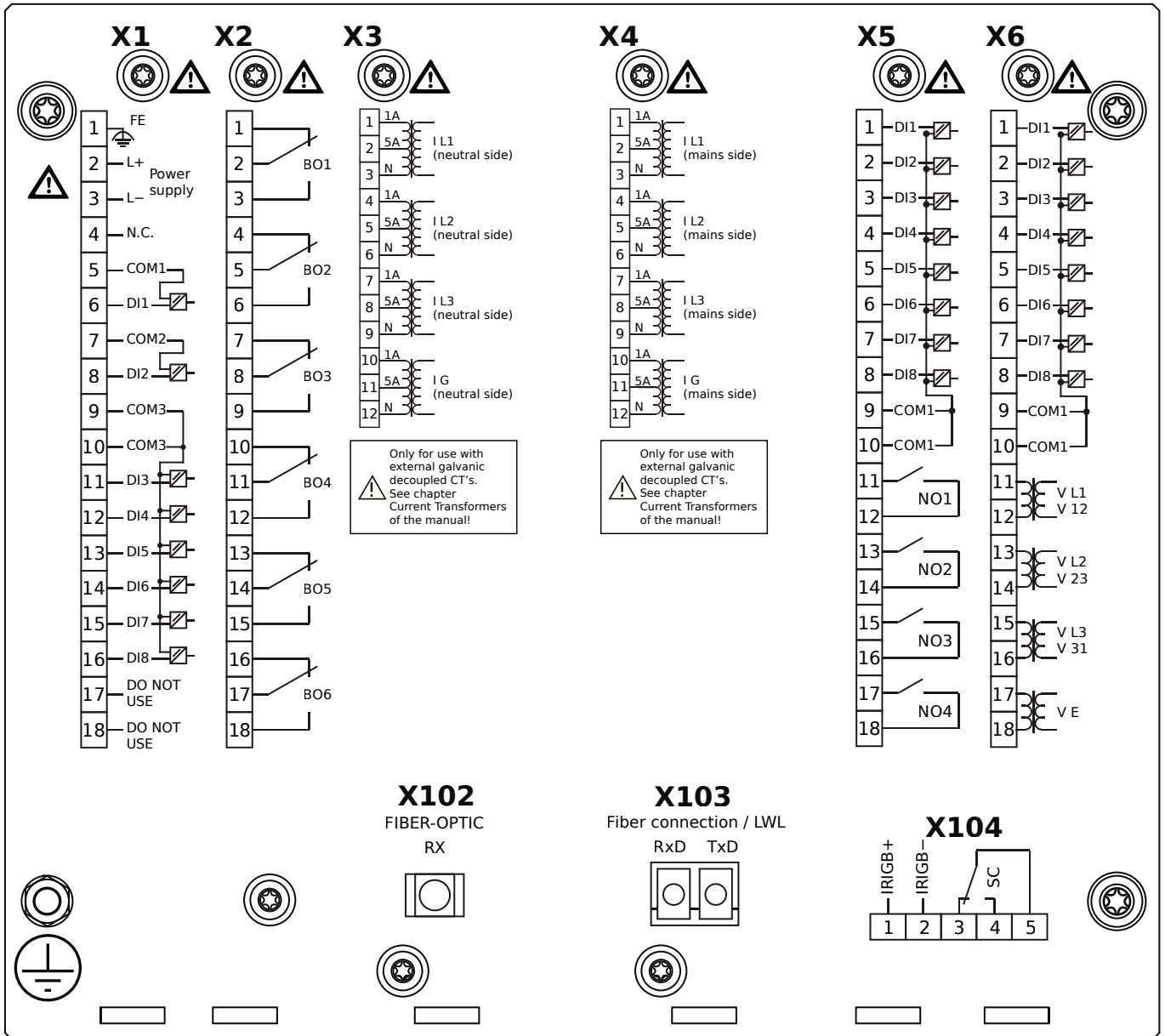


Housing B2, large display, door mounting

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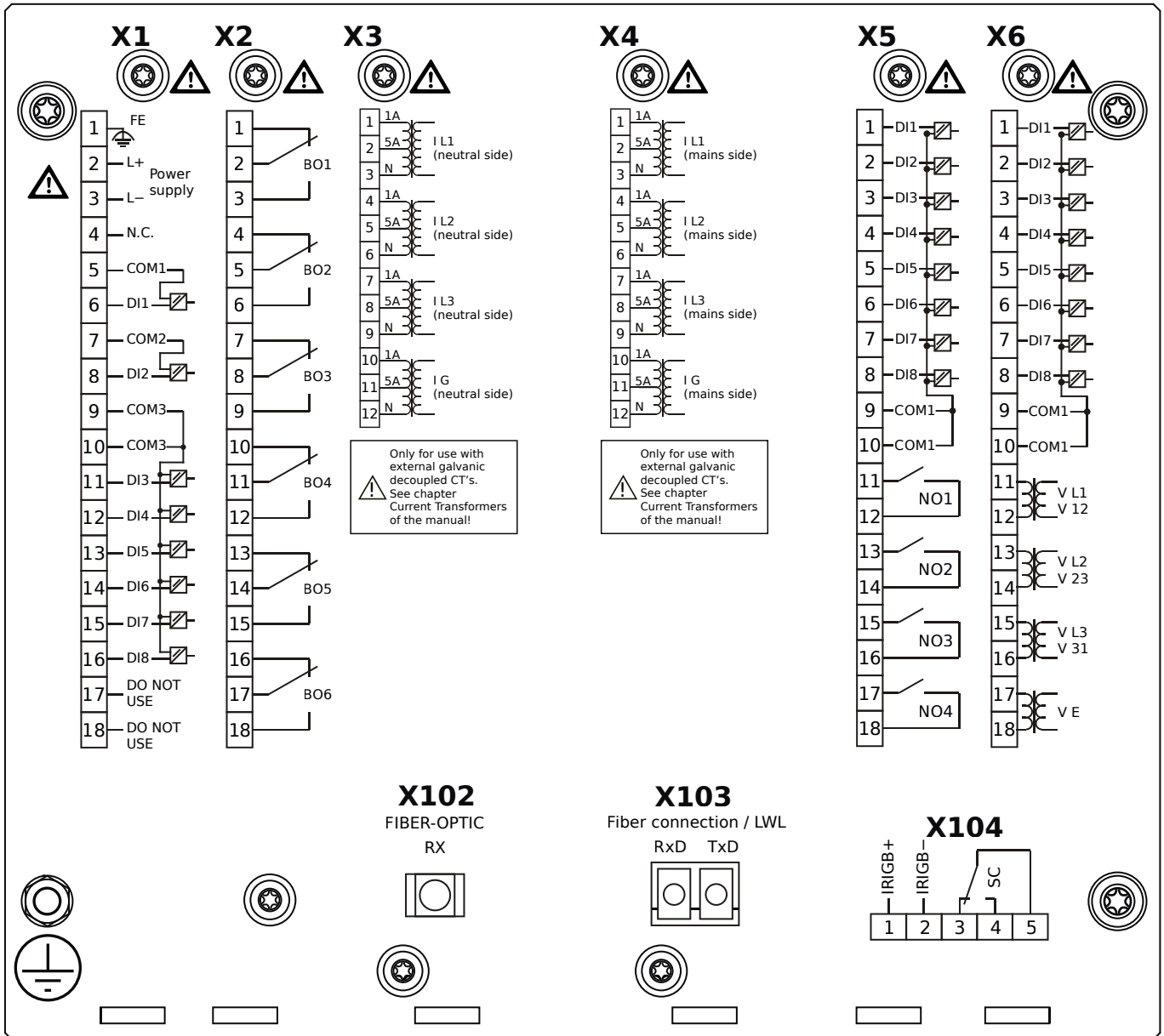
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Housing B2, large display, door mounting

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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C0AKB

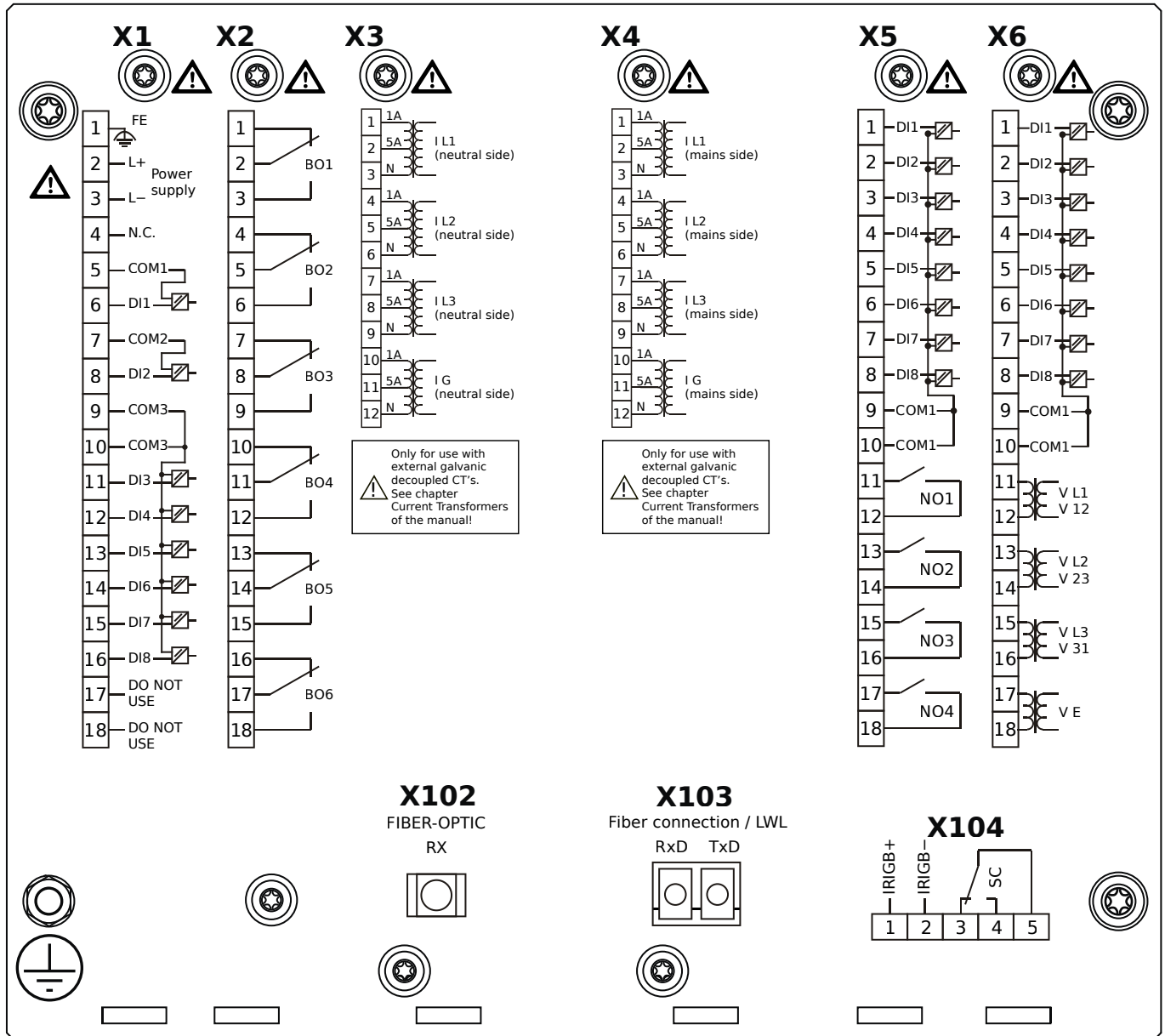


Housing B2, large display, door mounting

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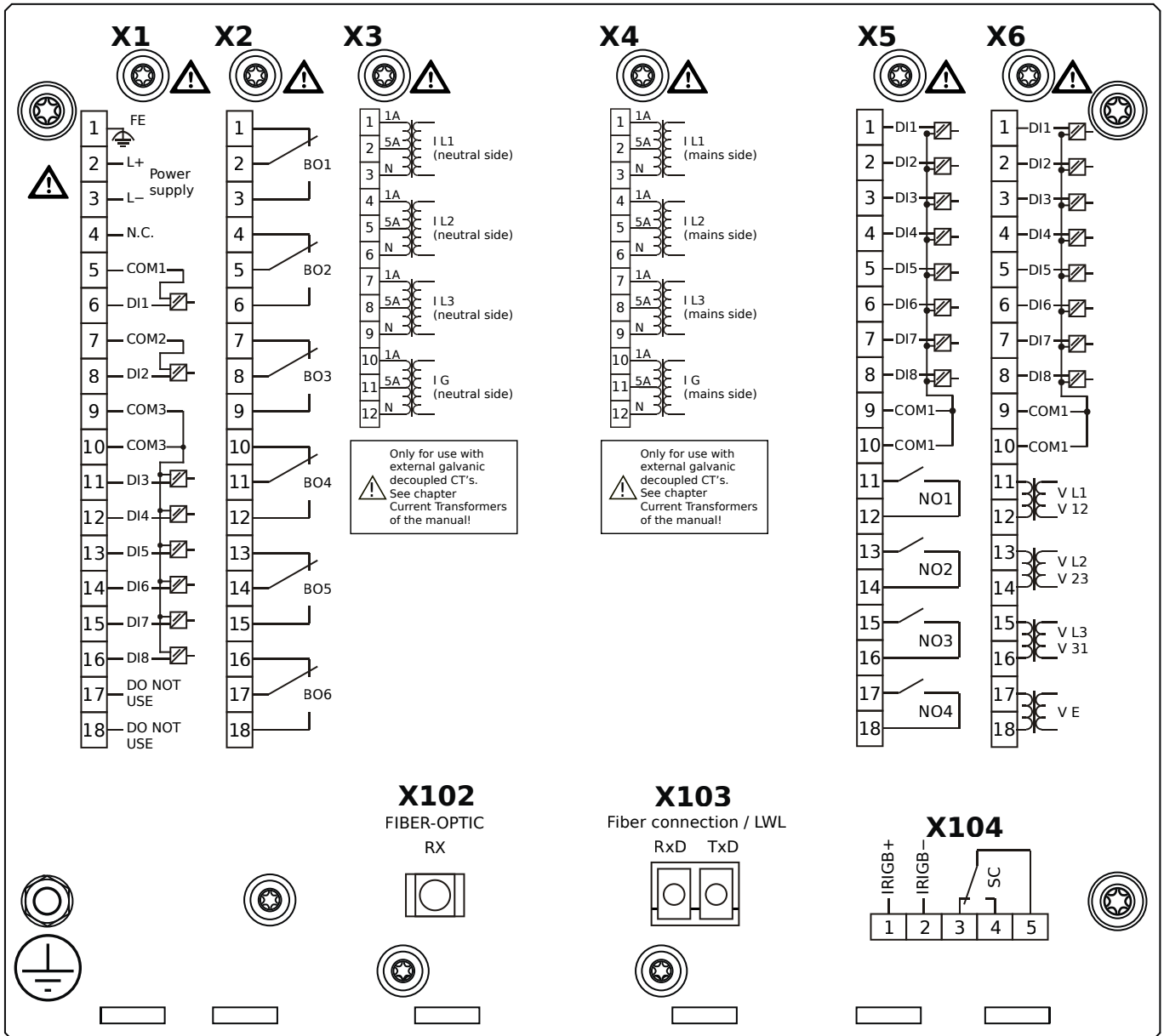
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Housing B2, large display, door mounting

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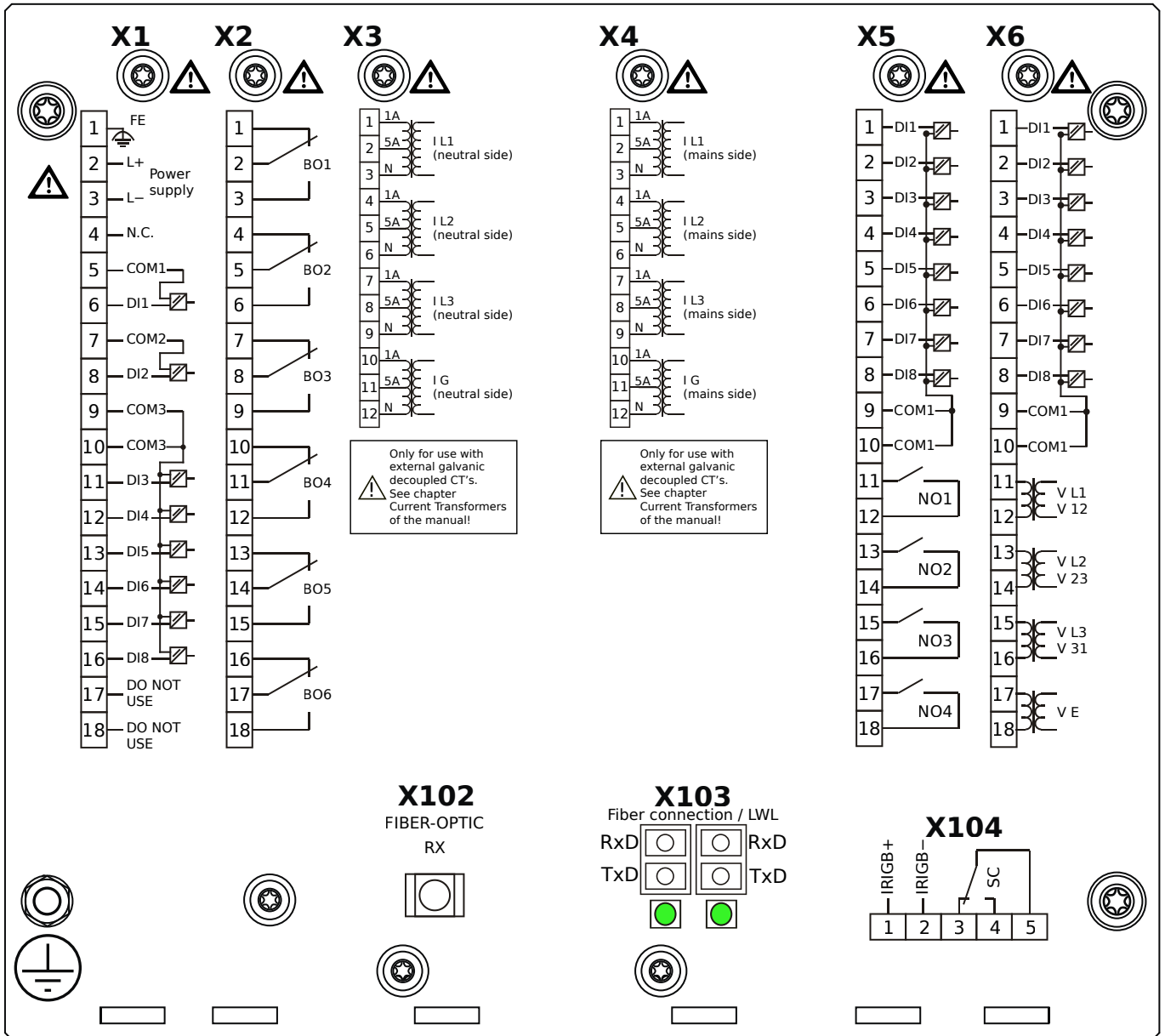


Housing B2, large display, door mounting

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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

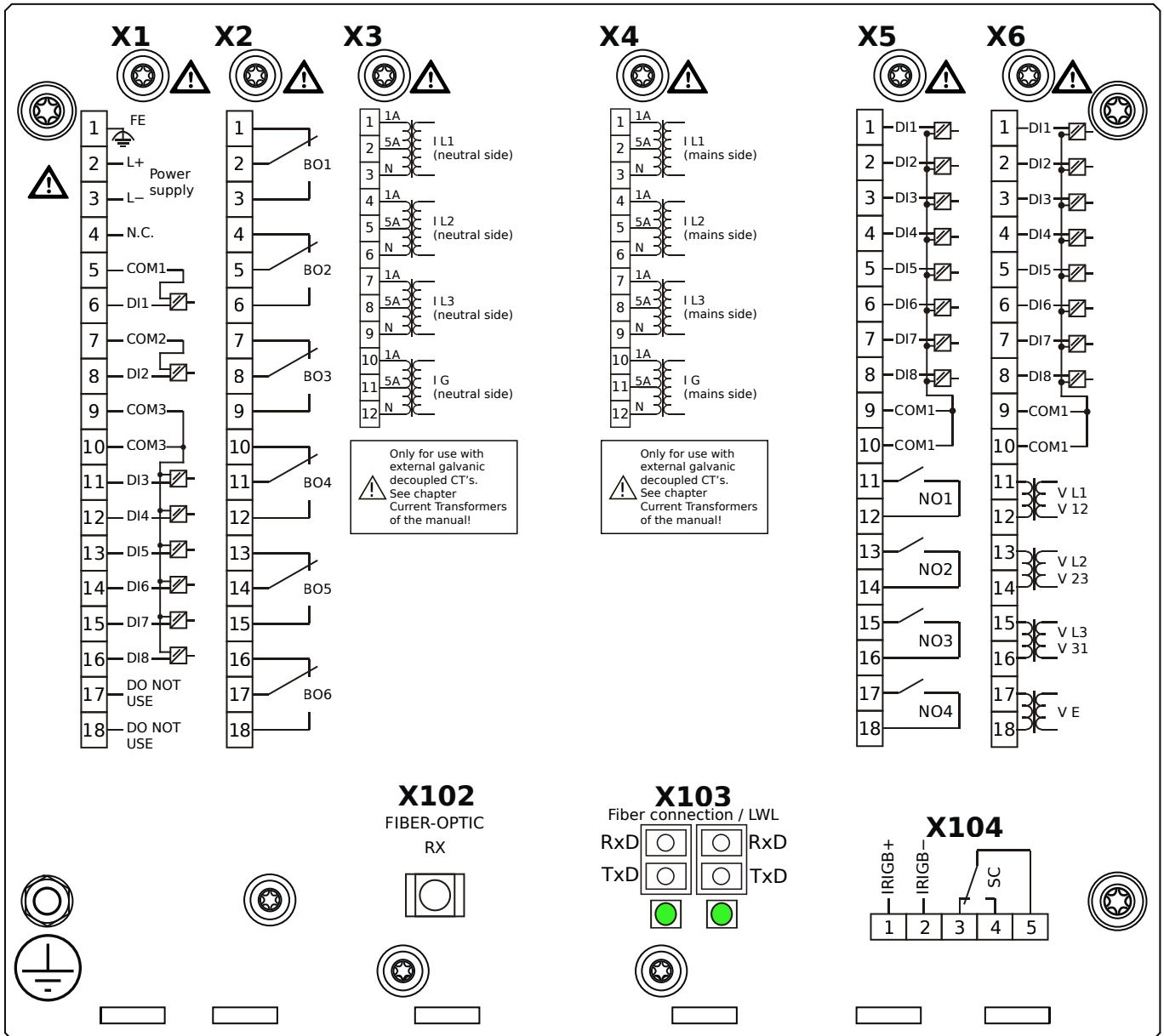
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Housing B2, large display, door mounting

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- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
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- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C0A0B

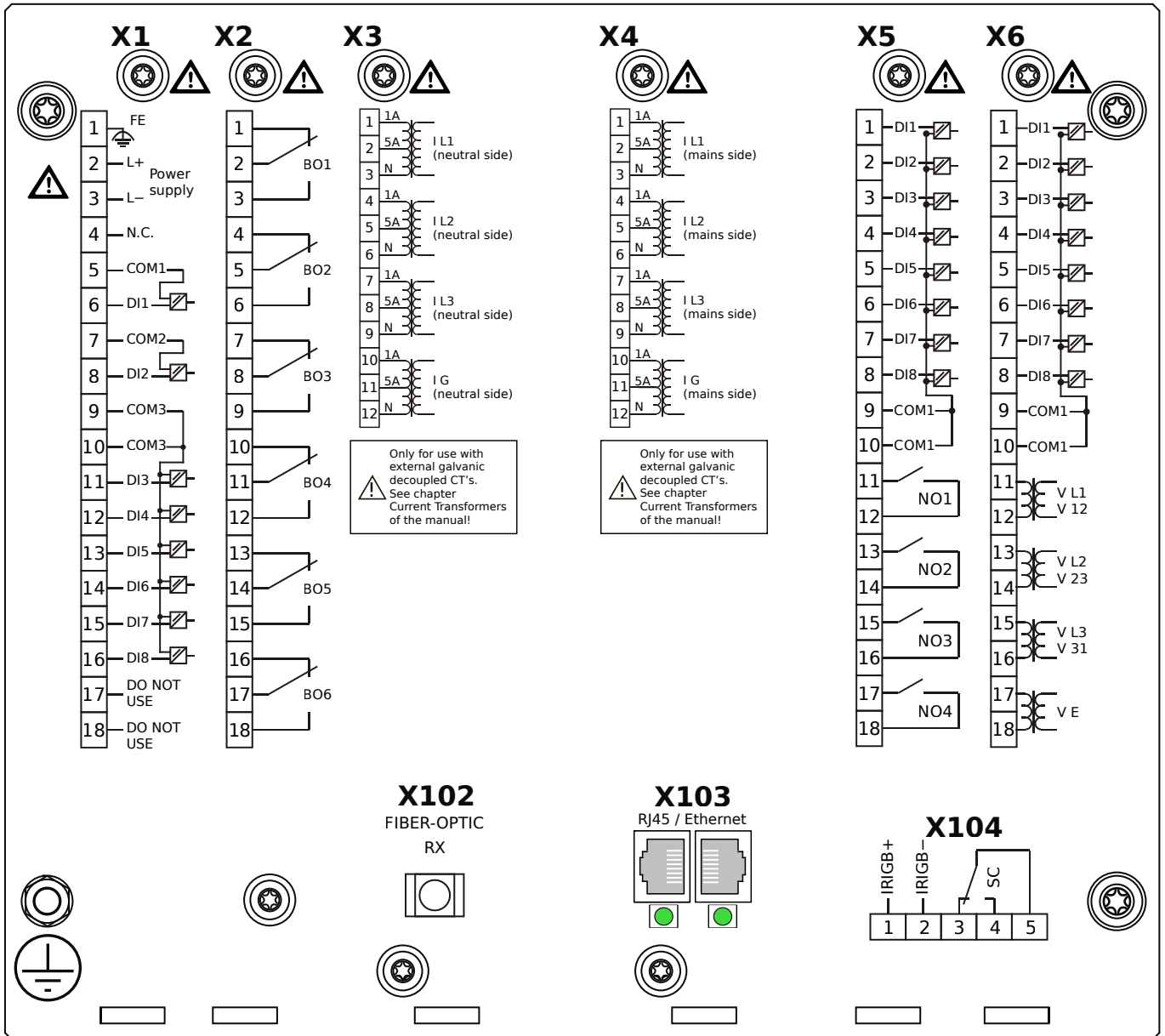


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

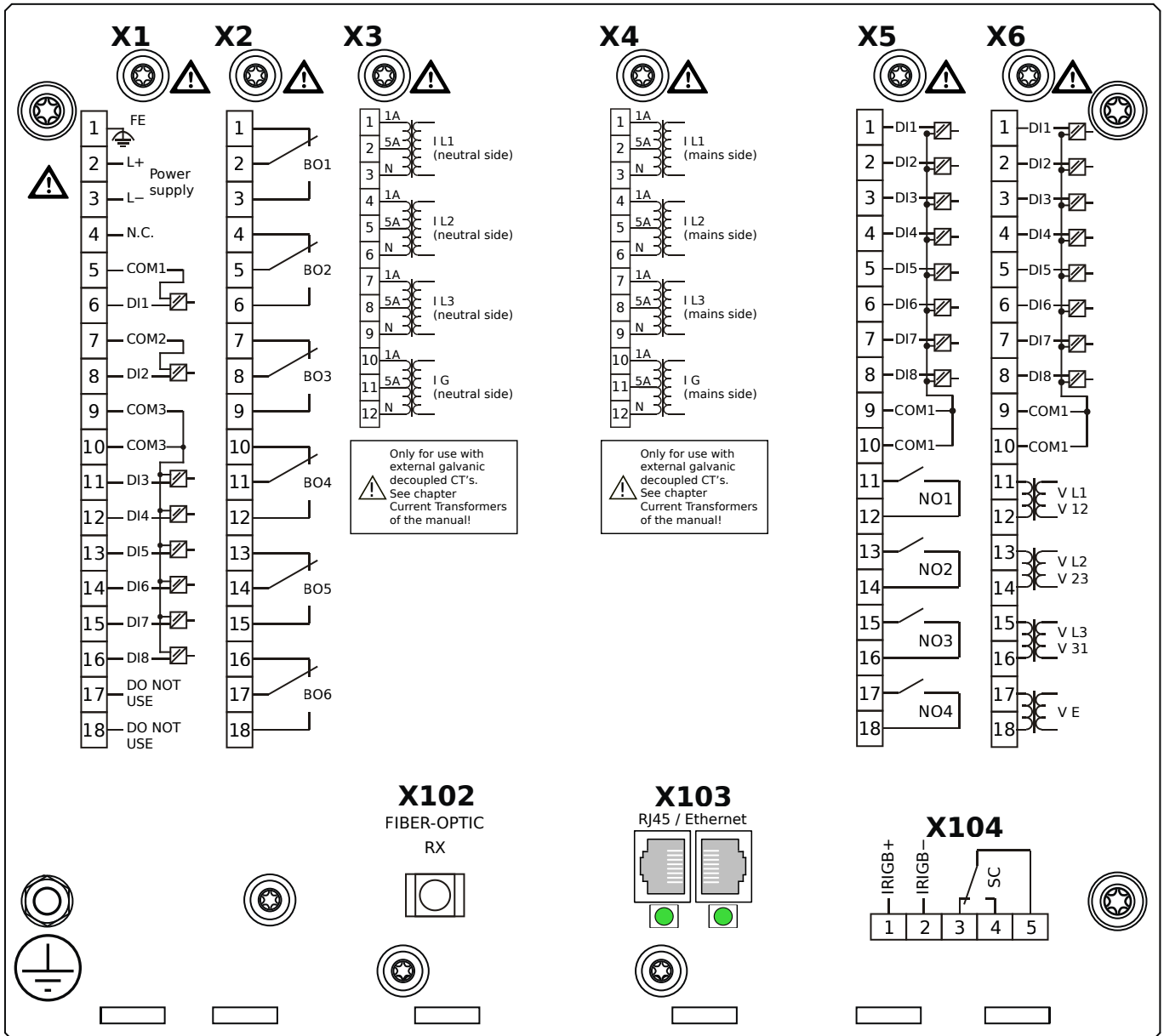
MCDGV4-2C0APA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
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- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C0APB

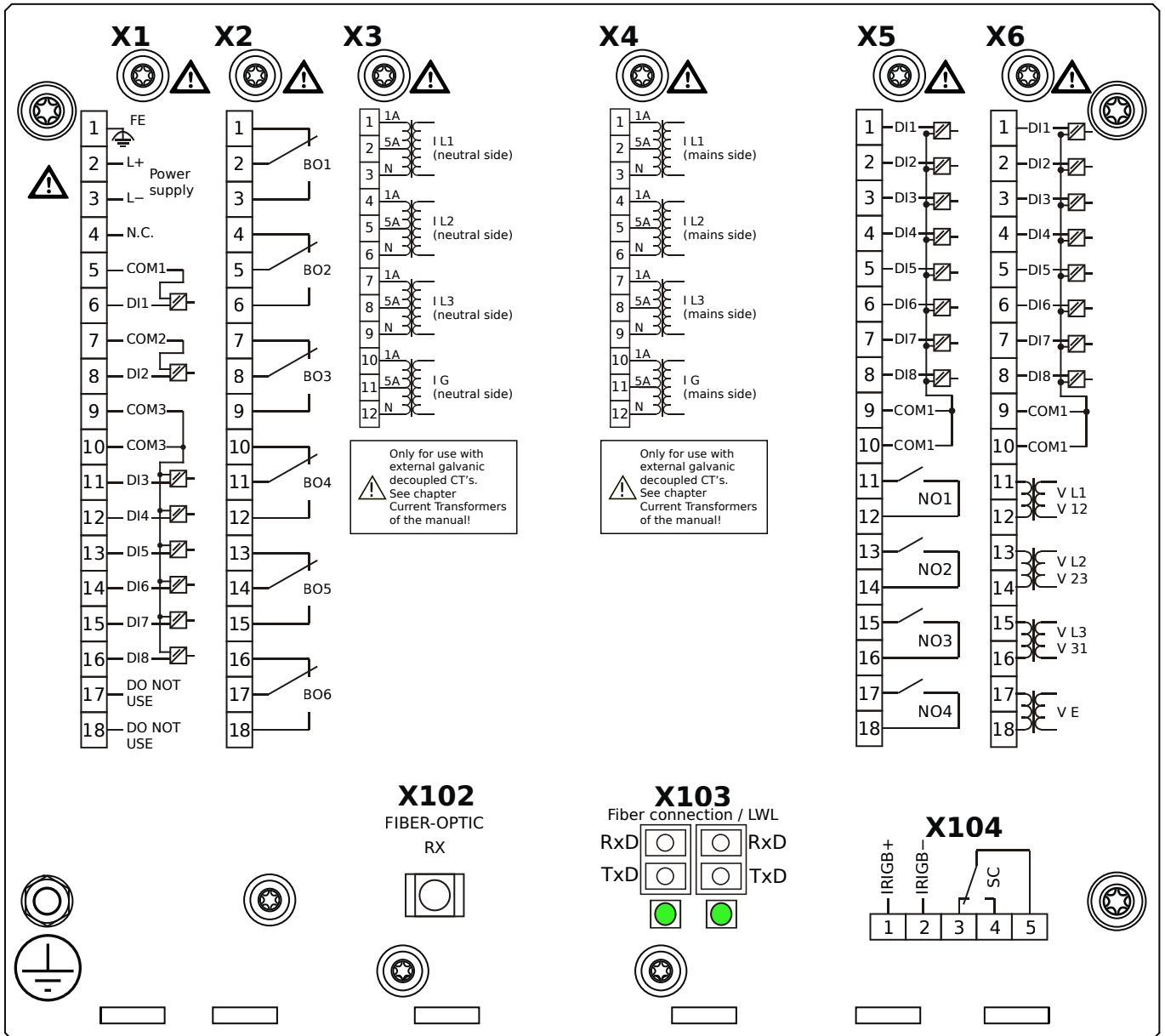


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

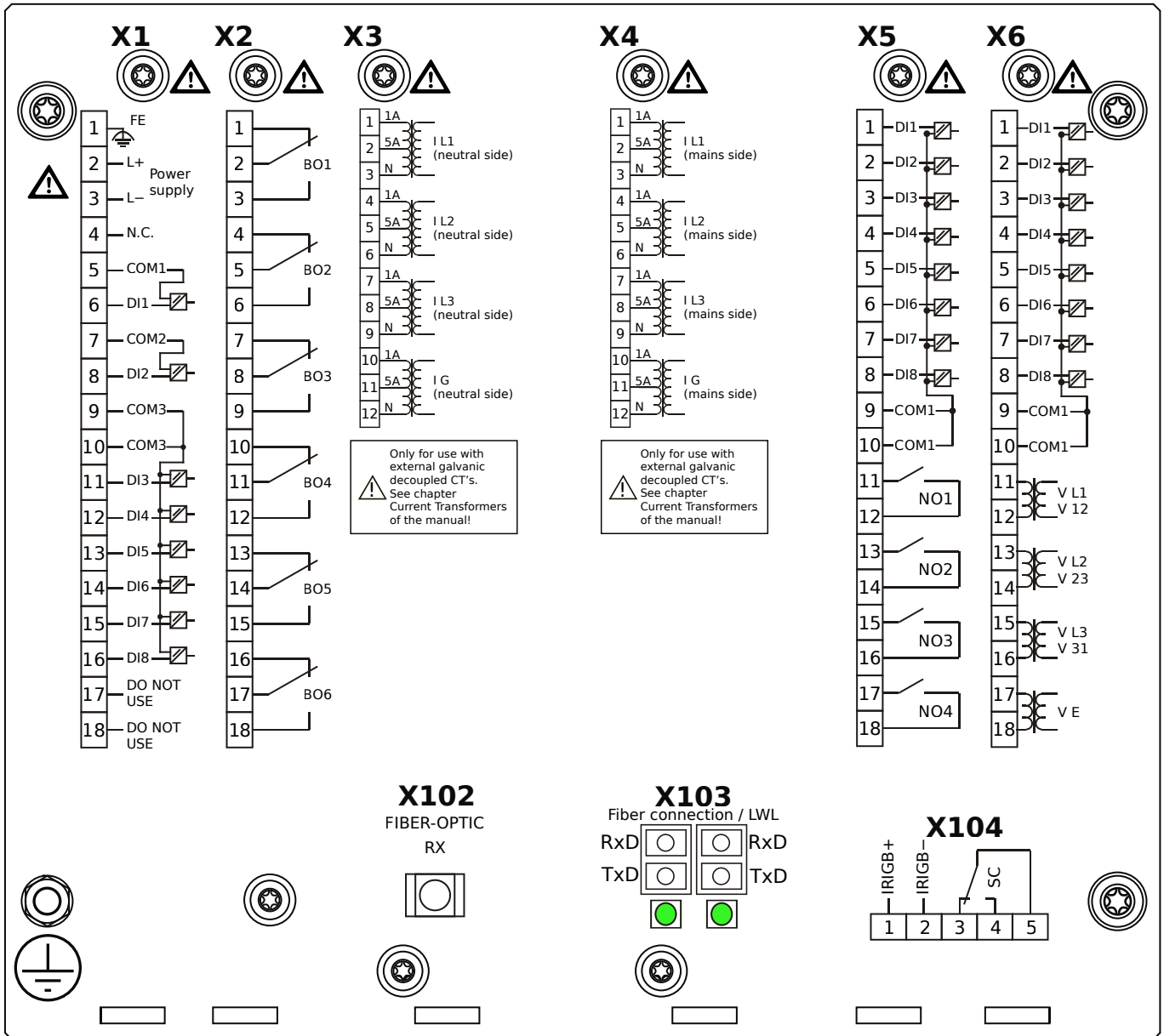
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Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C0AQB

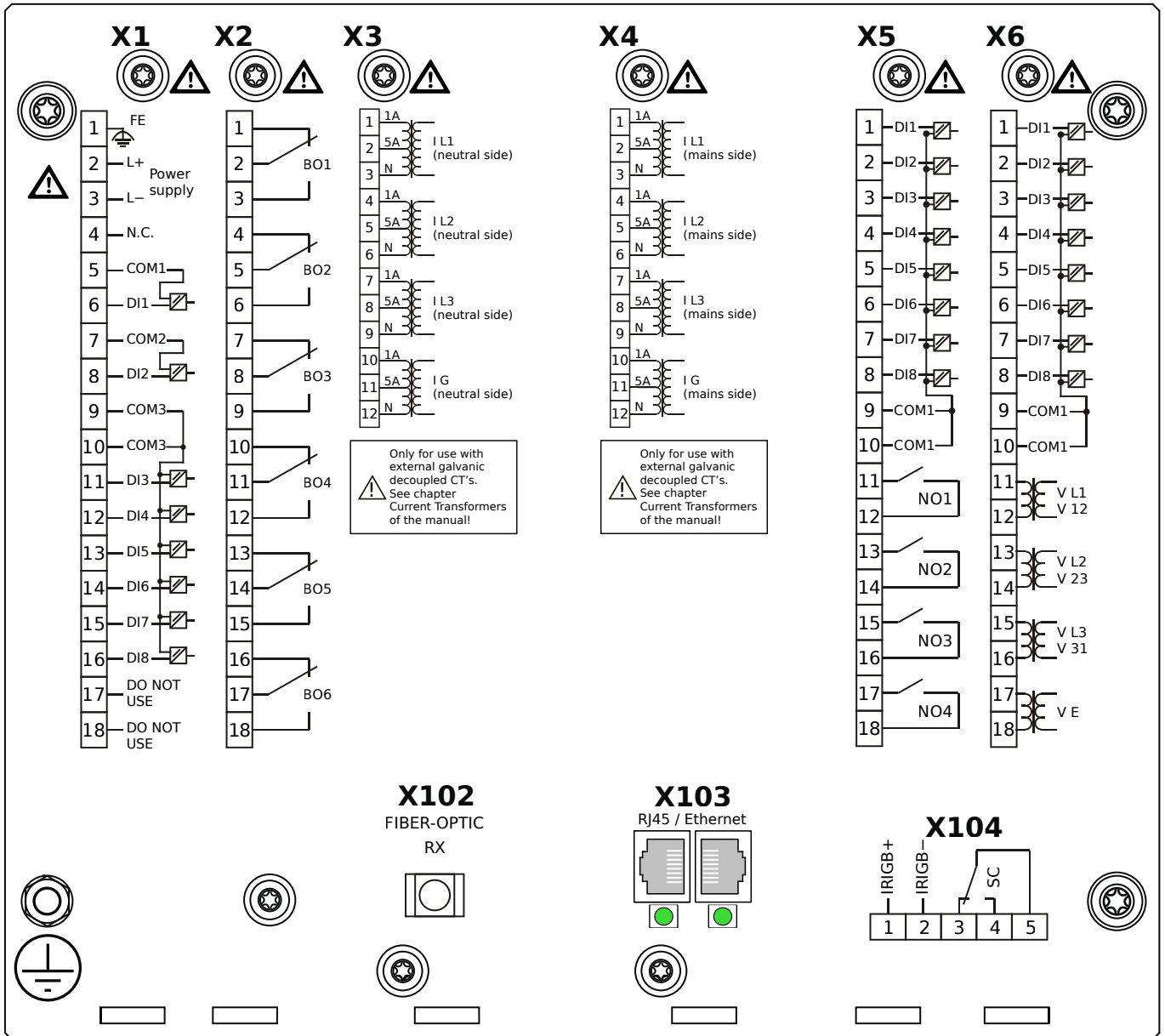


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

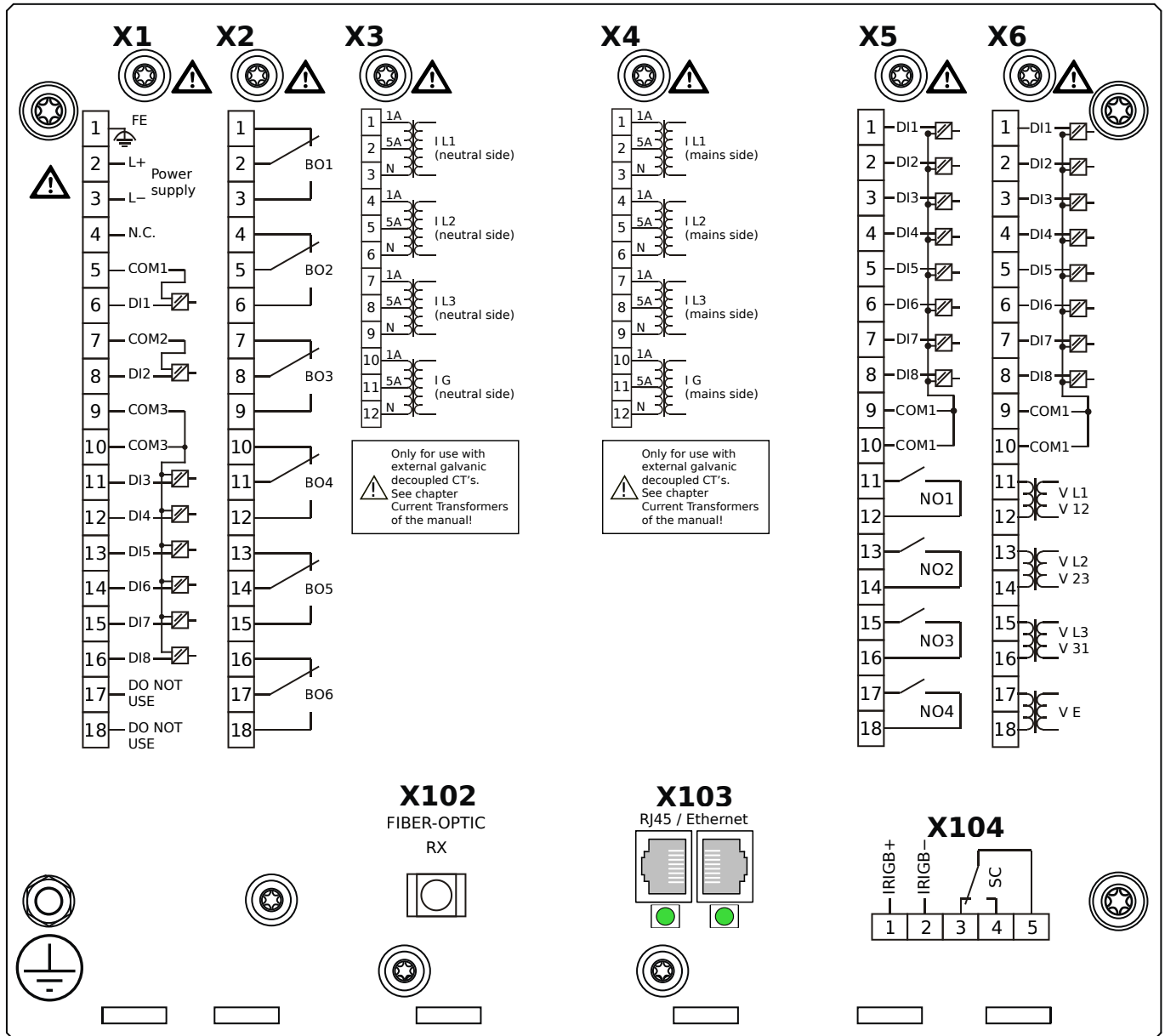
MCDGV4-2C0ARA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C0ARB



Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TI: Standard current measuring card (for the neutral side of the differential protection)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)

X6 – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs

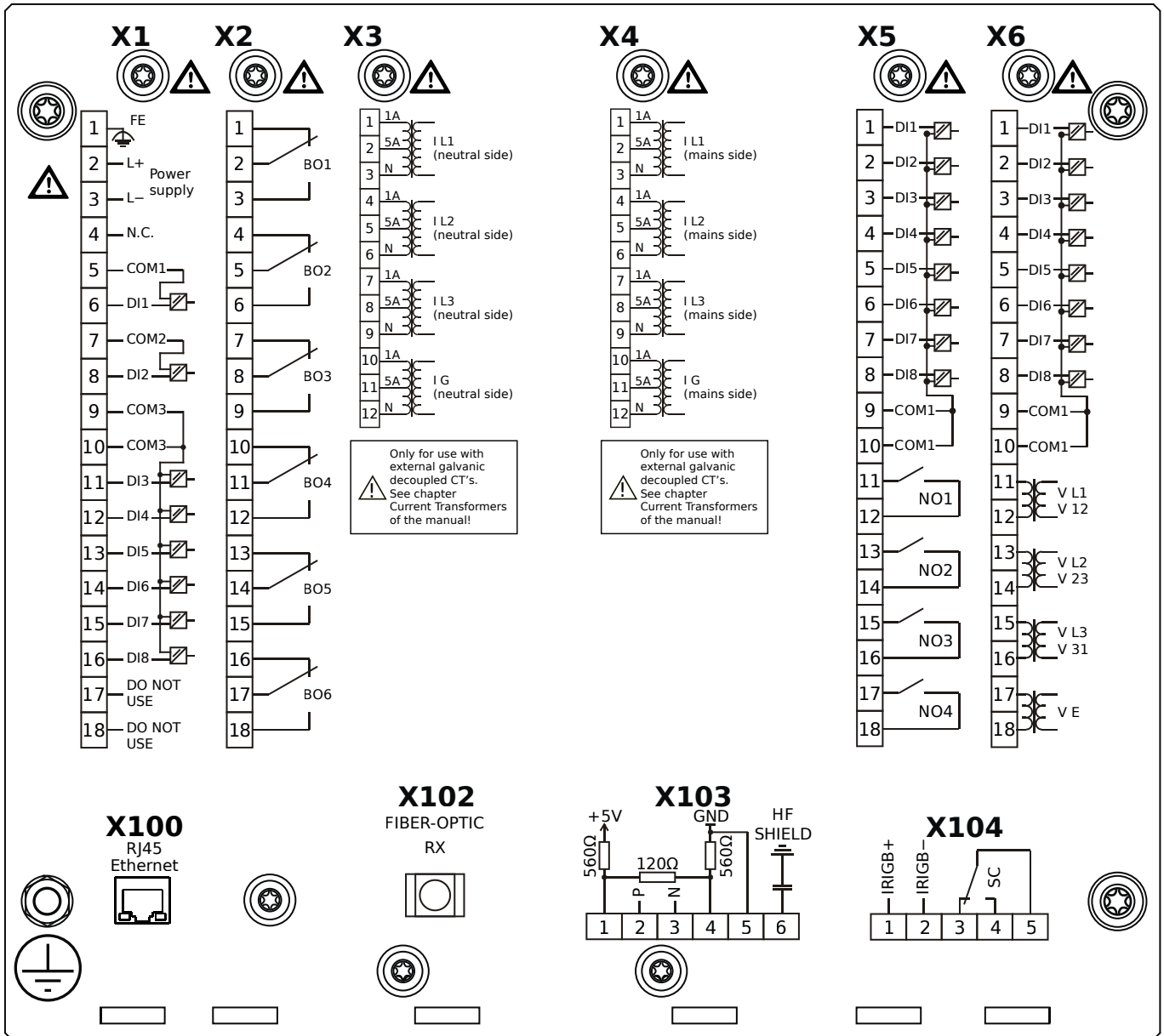
X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45

(BASE100-FX)

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

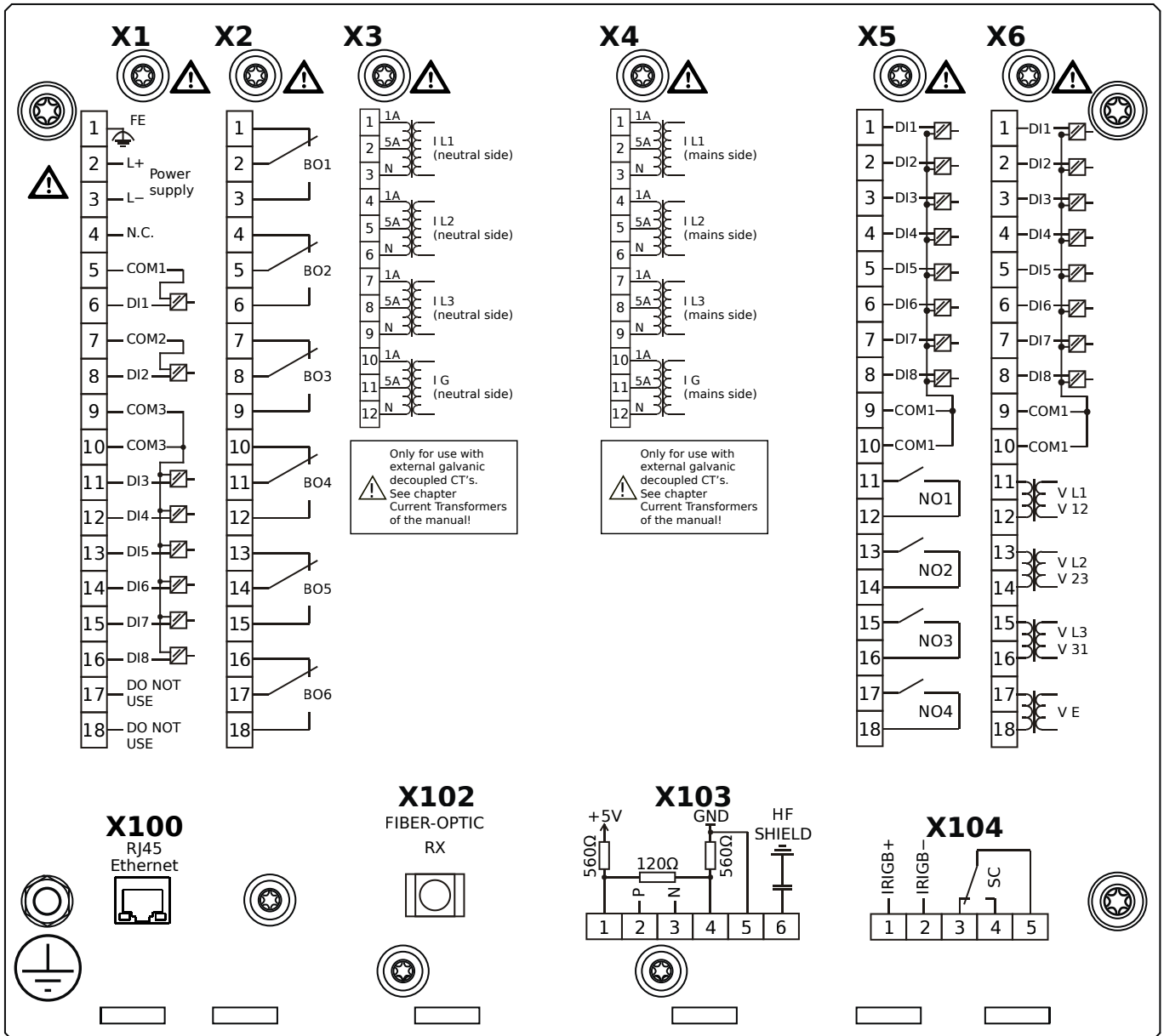
MCDGV4-2C0ATA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C0ATB

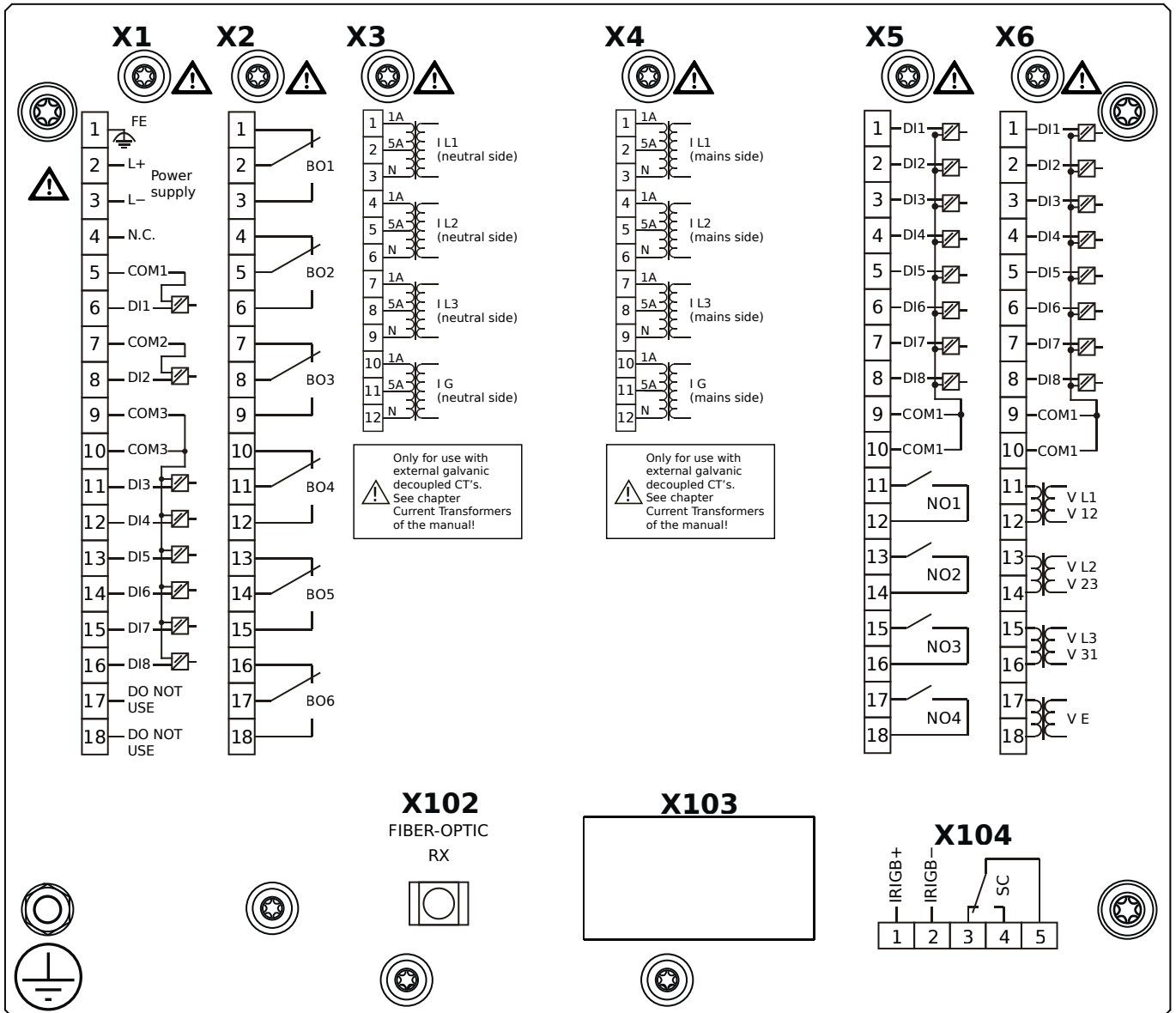


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

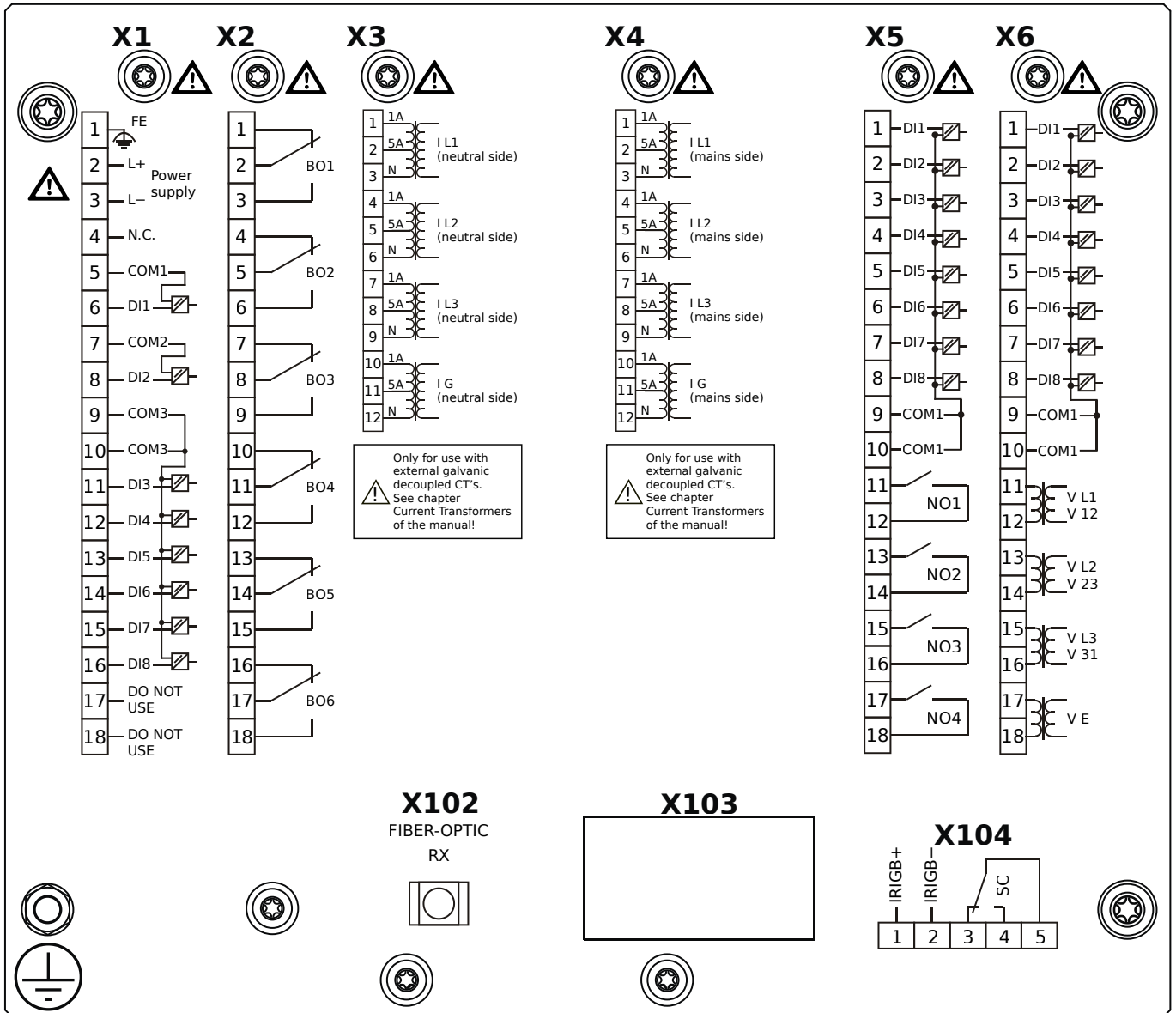
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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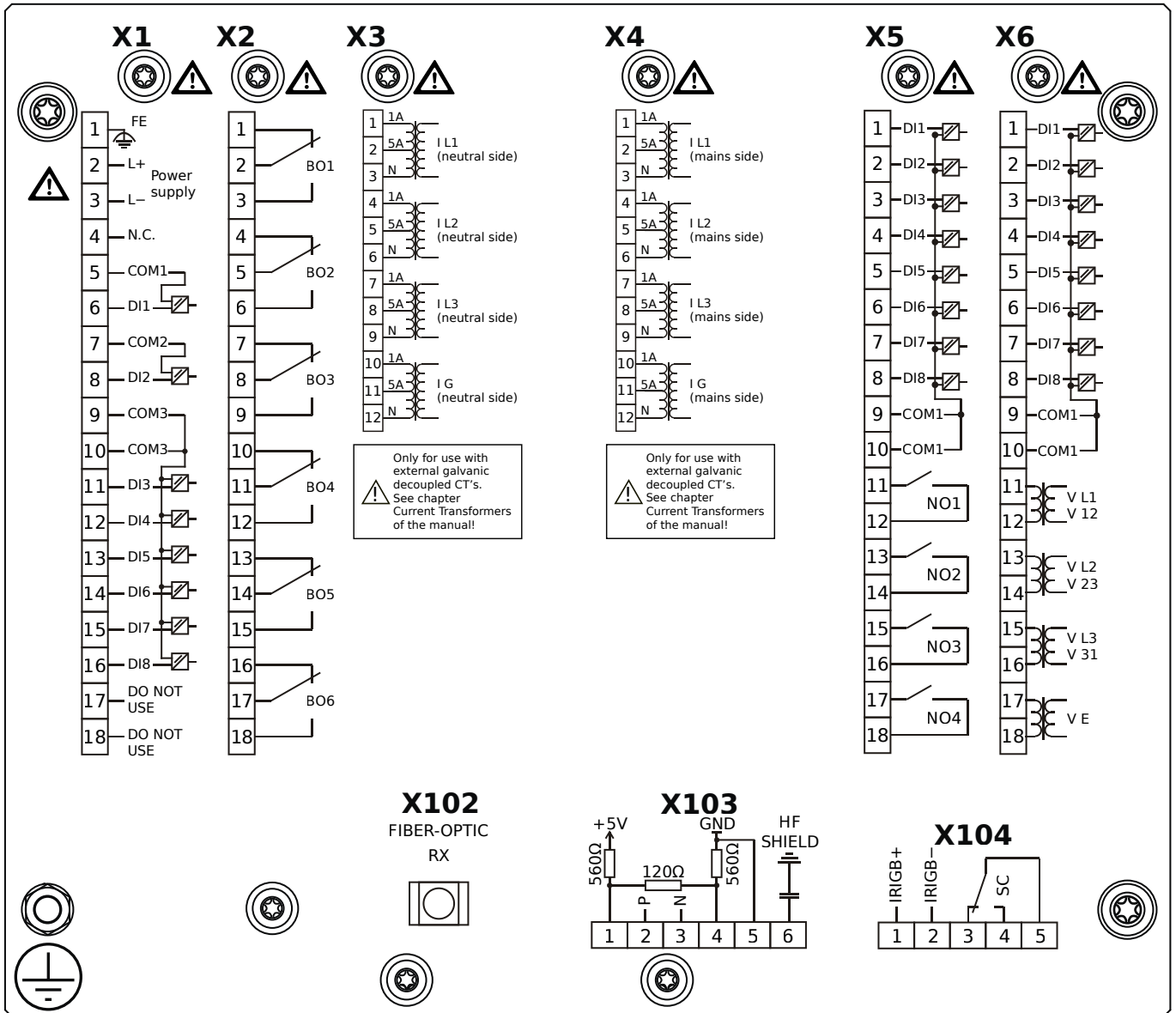


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

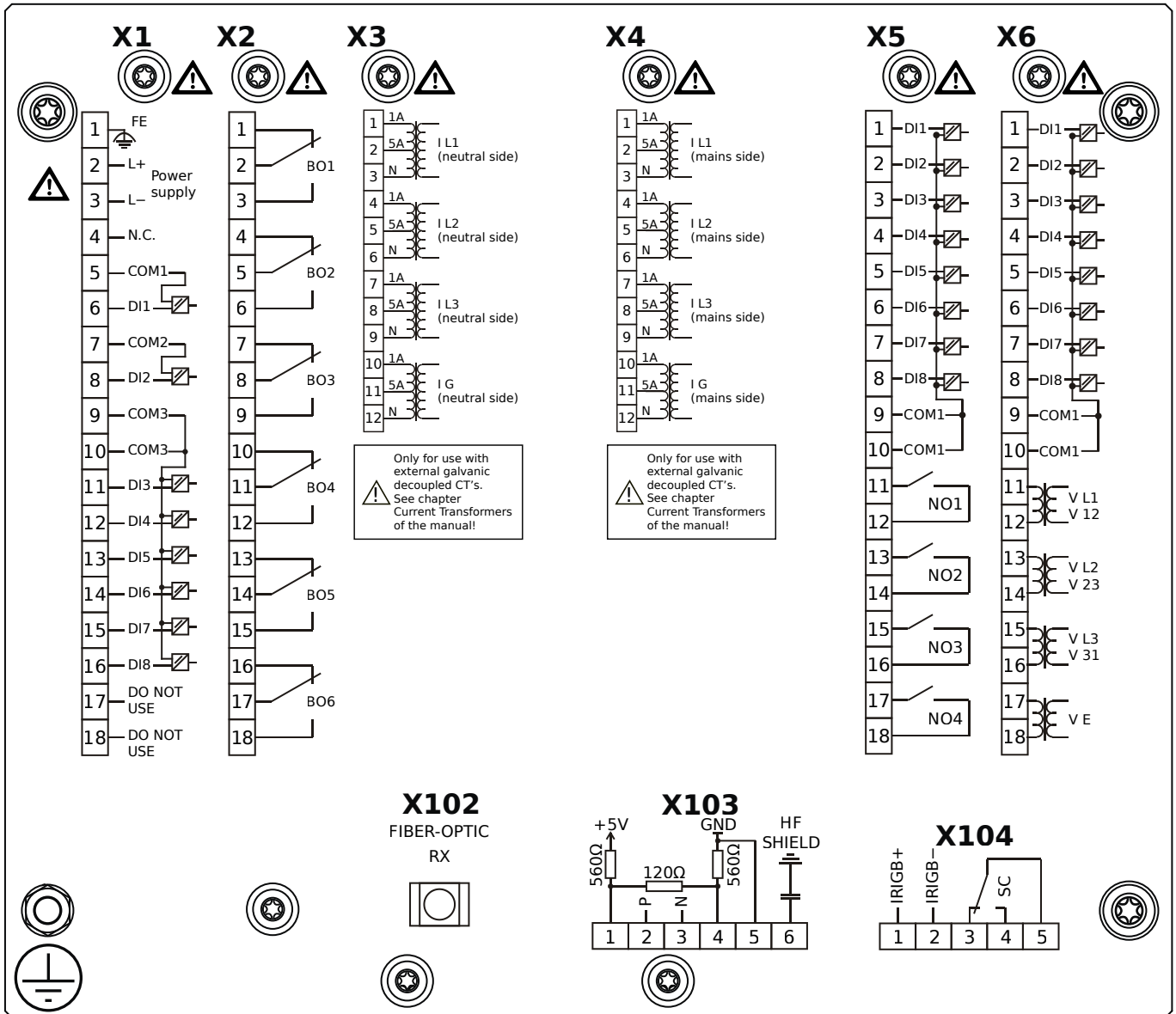
MCDGV4-2C0BBA



Housing B2, large display, 19" rack mounting

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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C0BBB

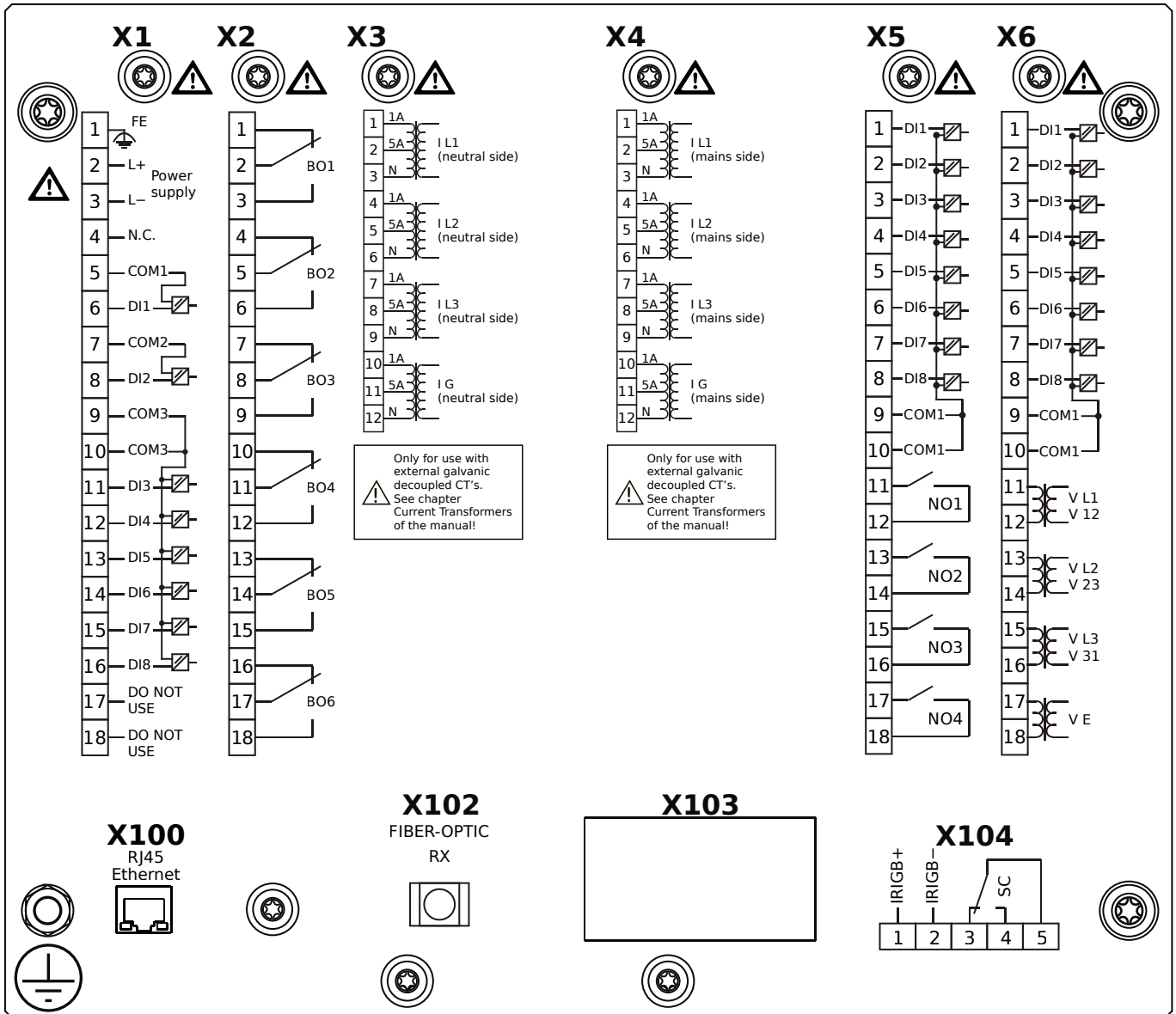


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

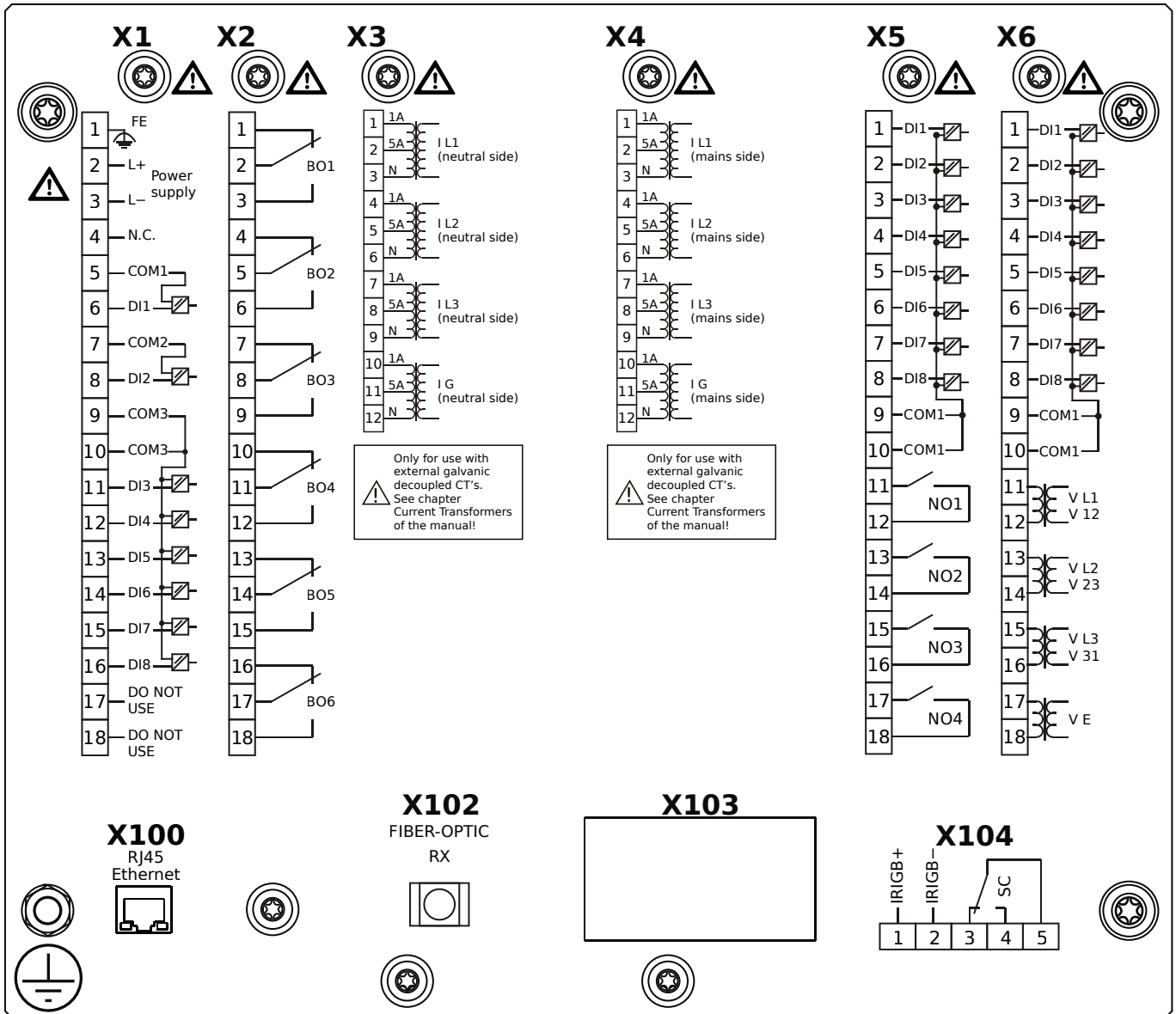
MCDGV4-2C0BCA



Housing B2, large display, 19" rack mounting

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- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C0BCB

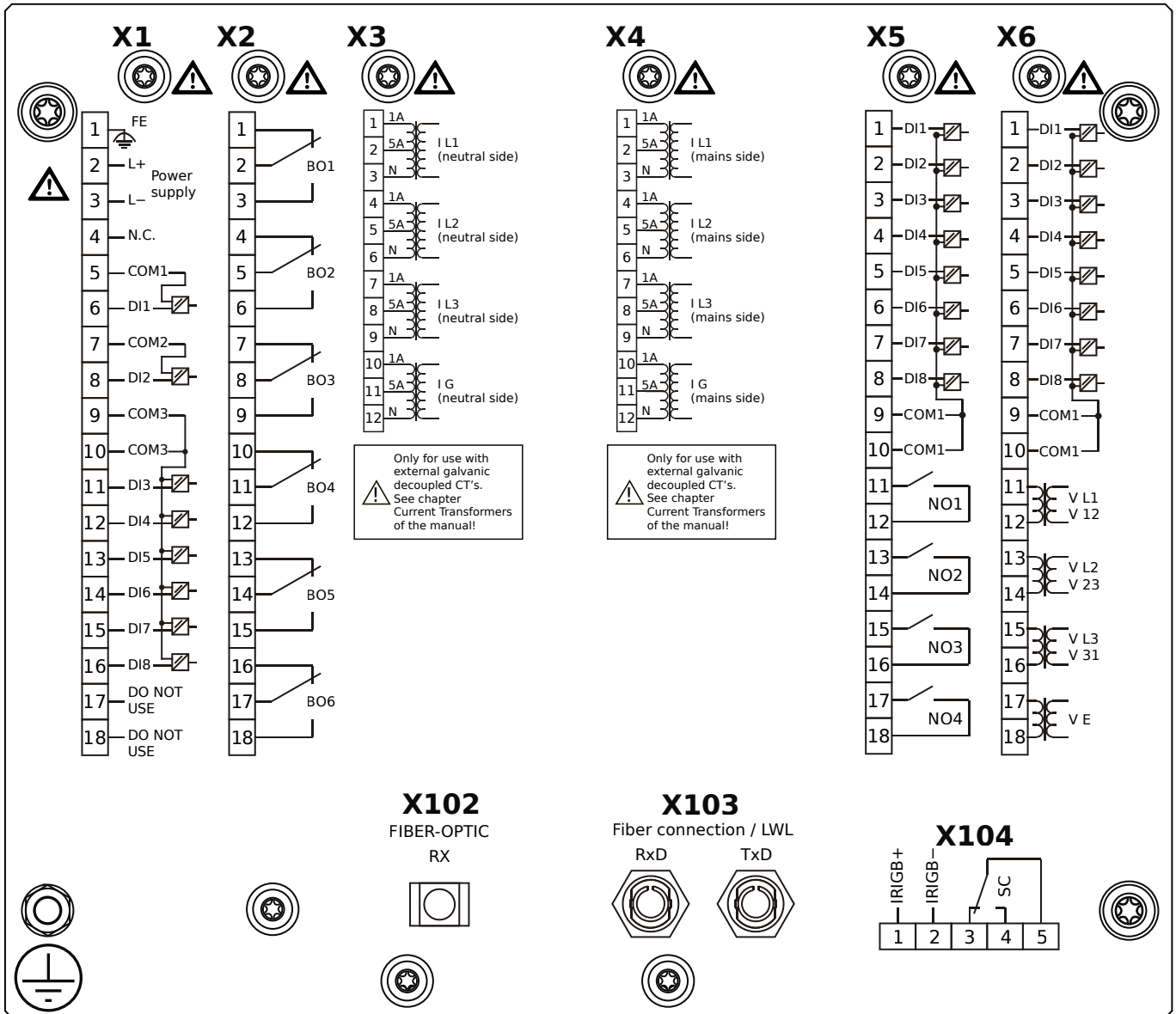


Housing B2, large display, 19" rack mounting

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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

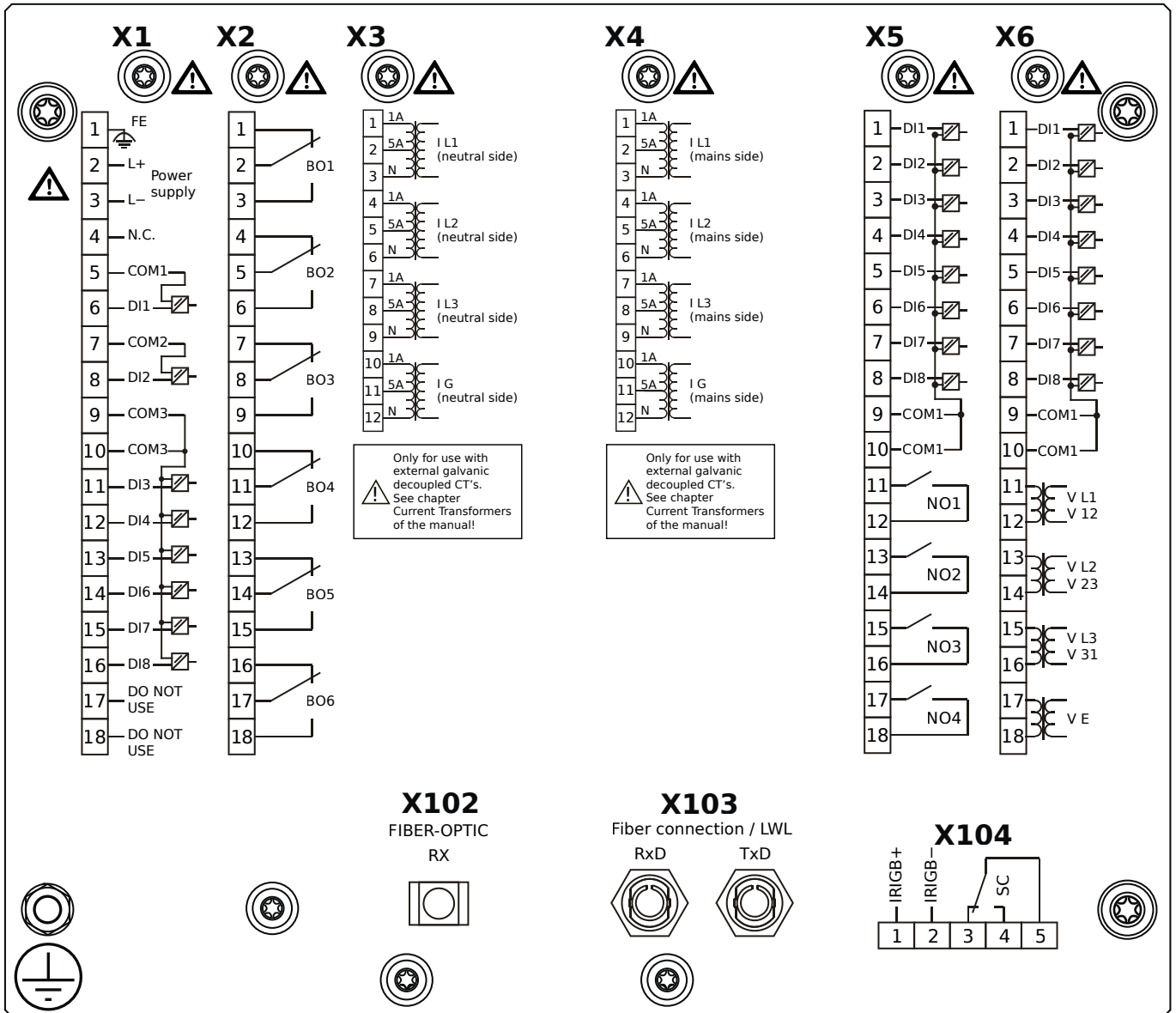
MCDGV4-2C0BDA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C0BDB

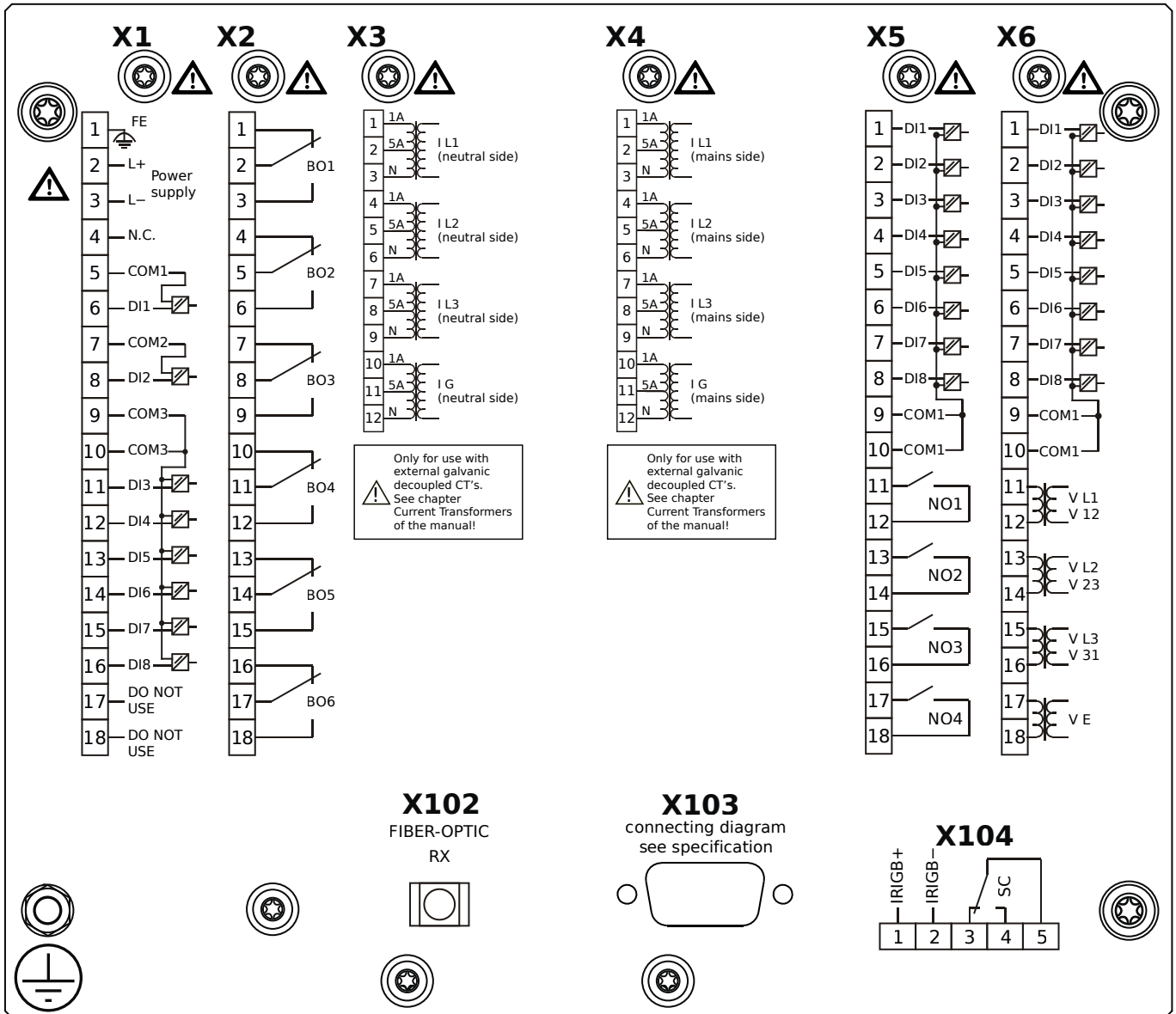


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

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- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

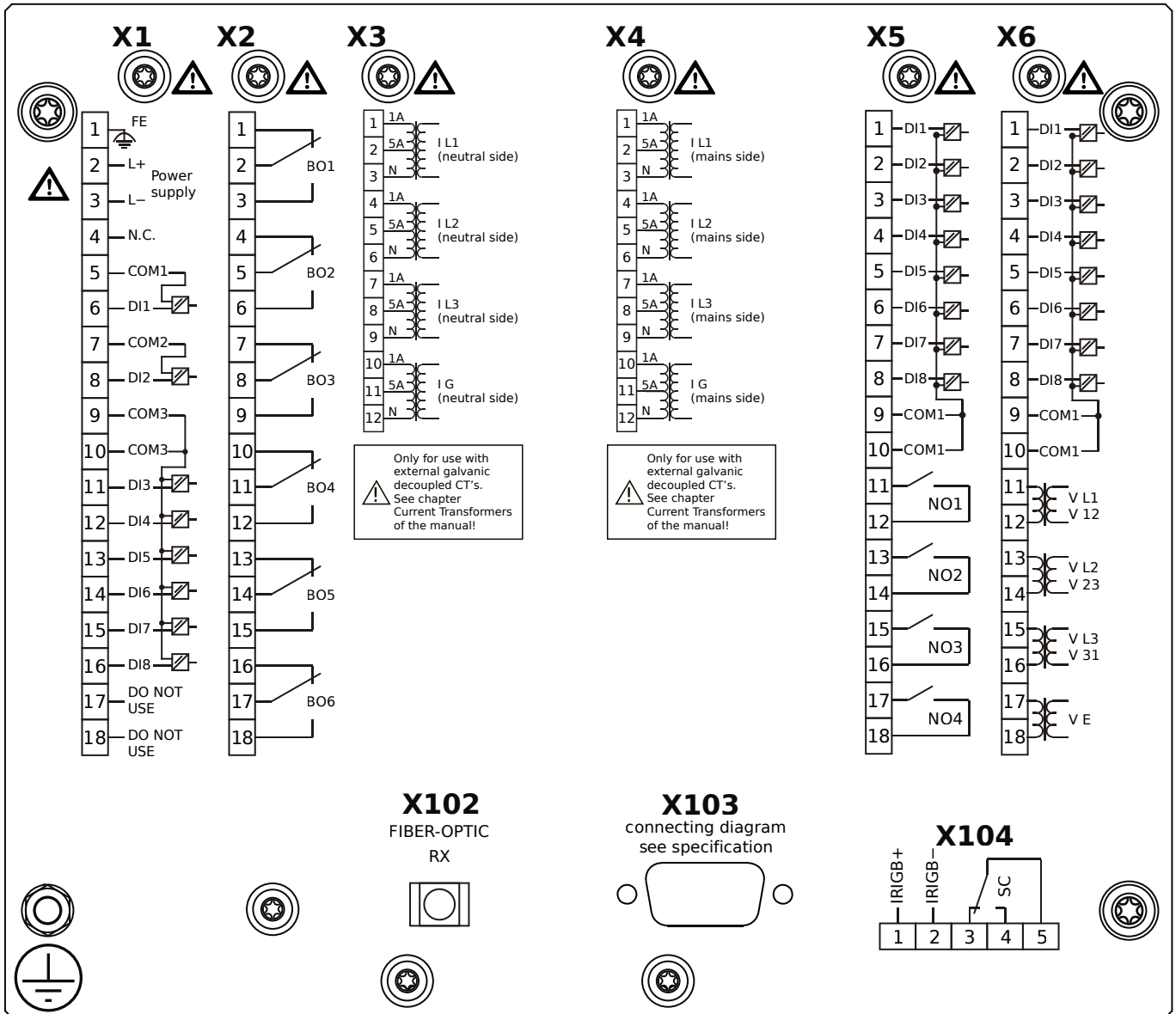
MCDGV4-2C0BEA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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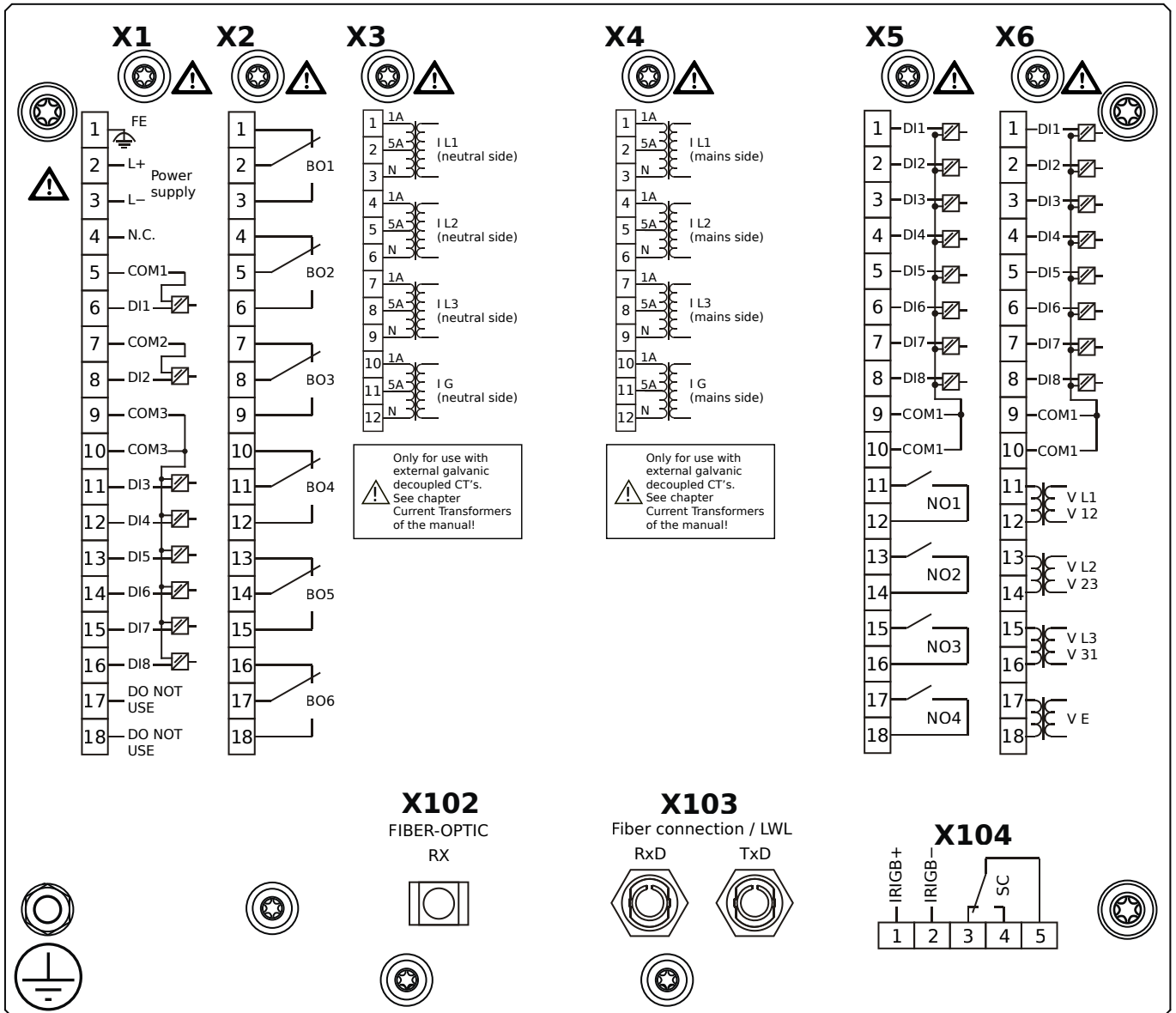


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

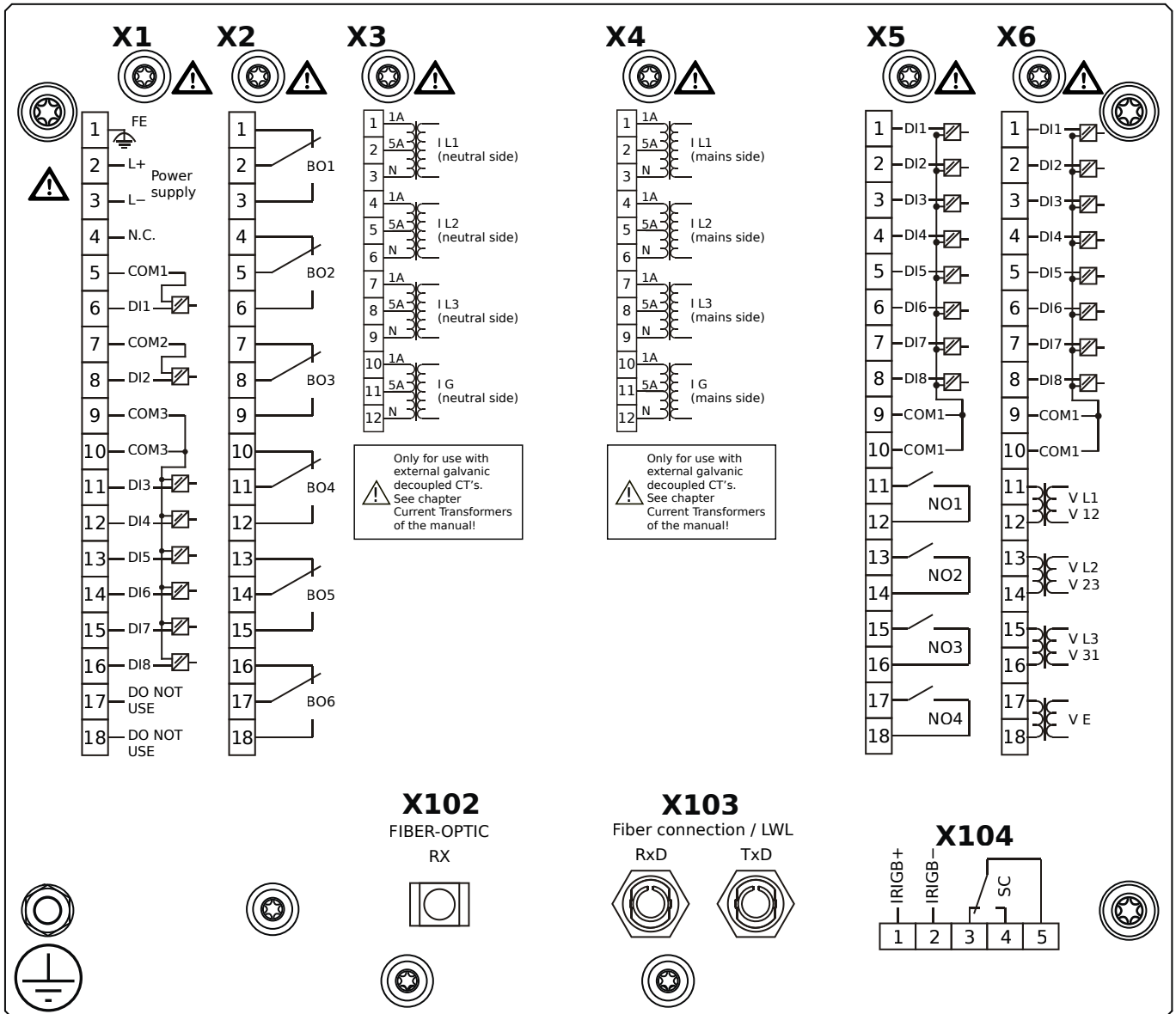
MCDGV4-2C0BFA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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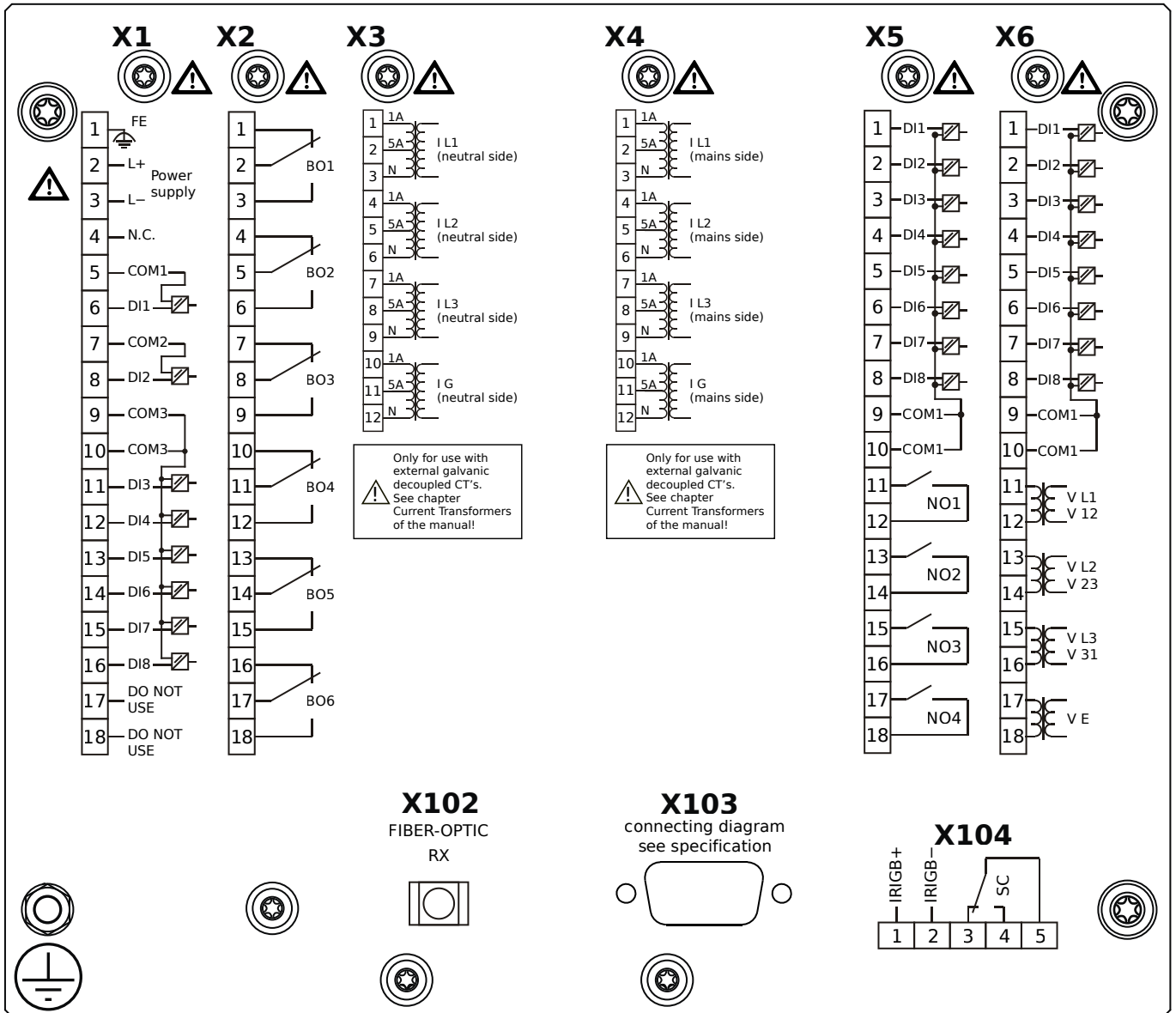


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

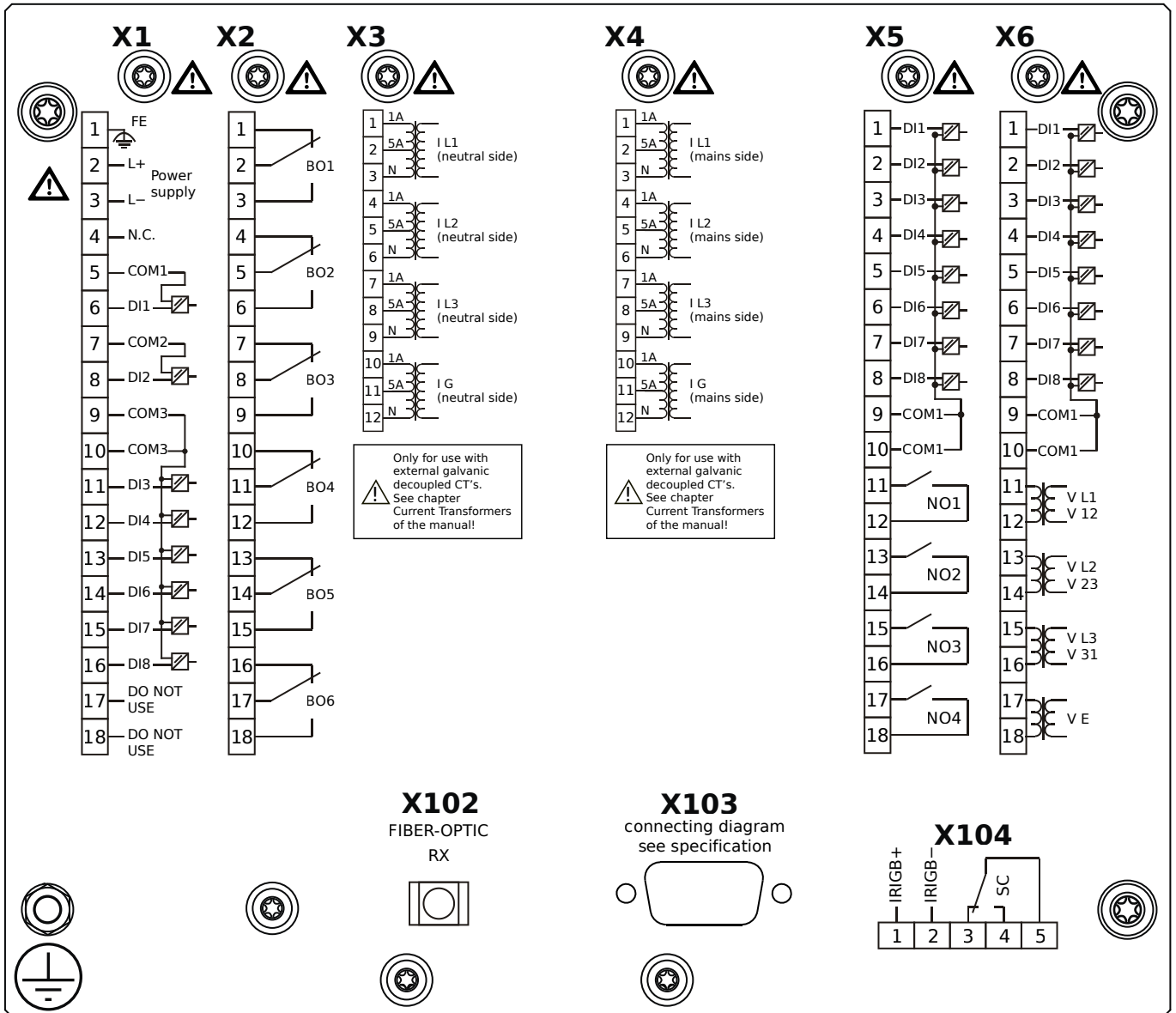
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C0BGB

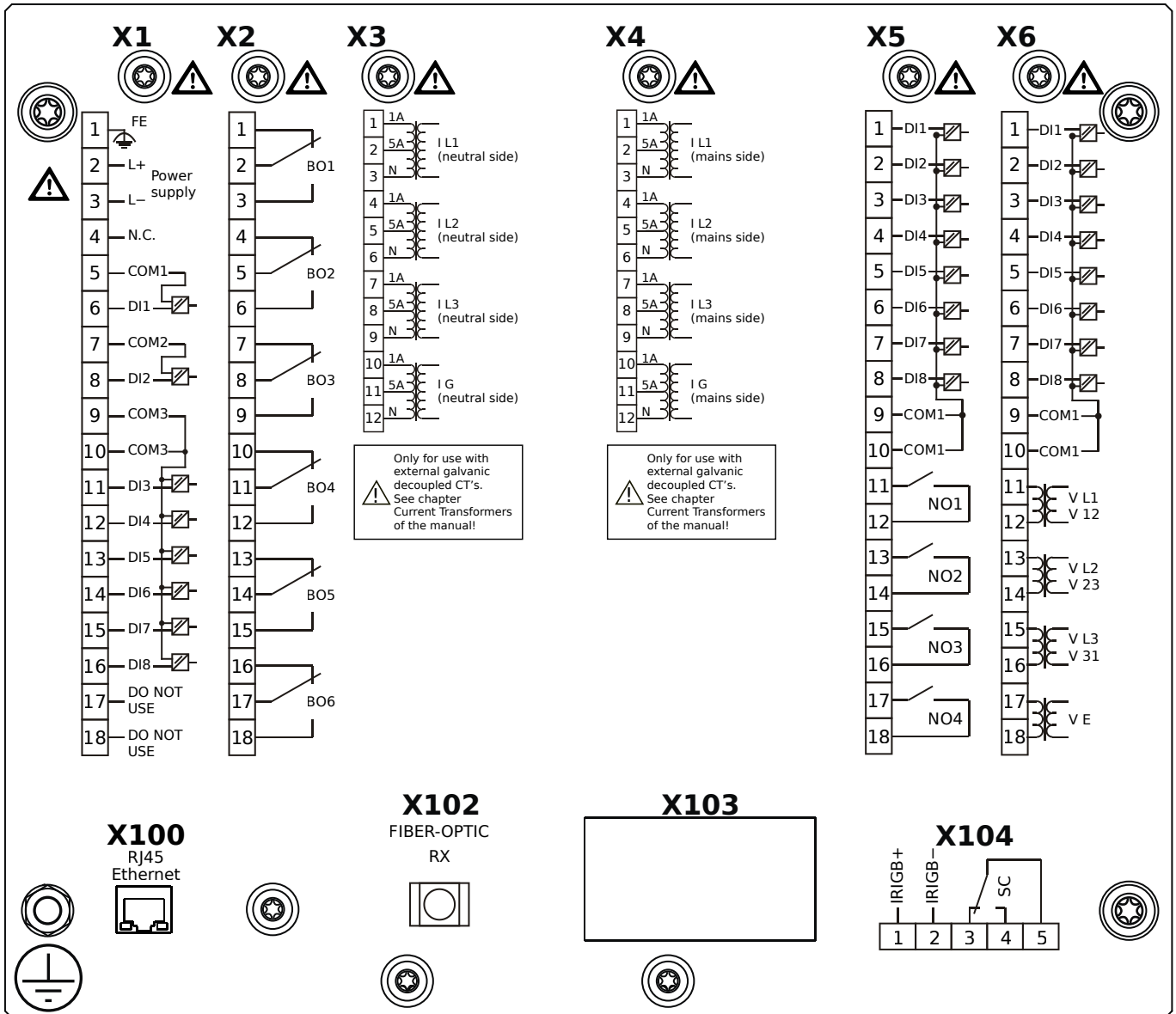


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

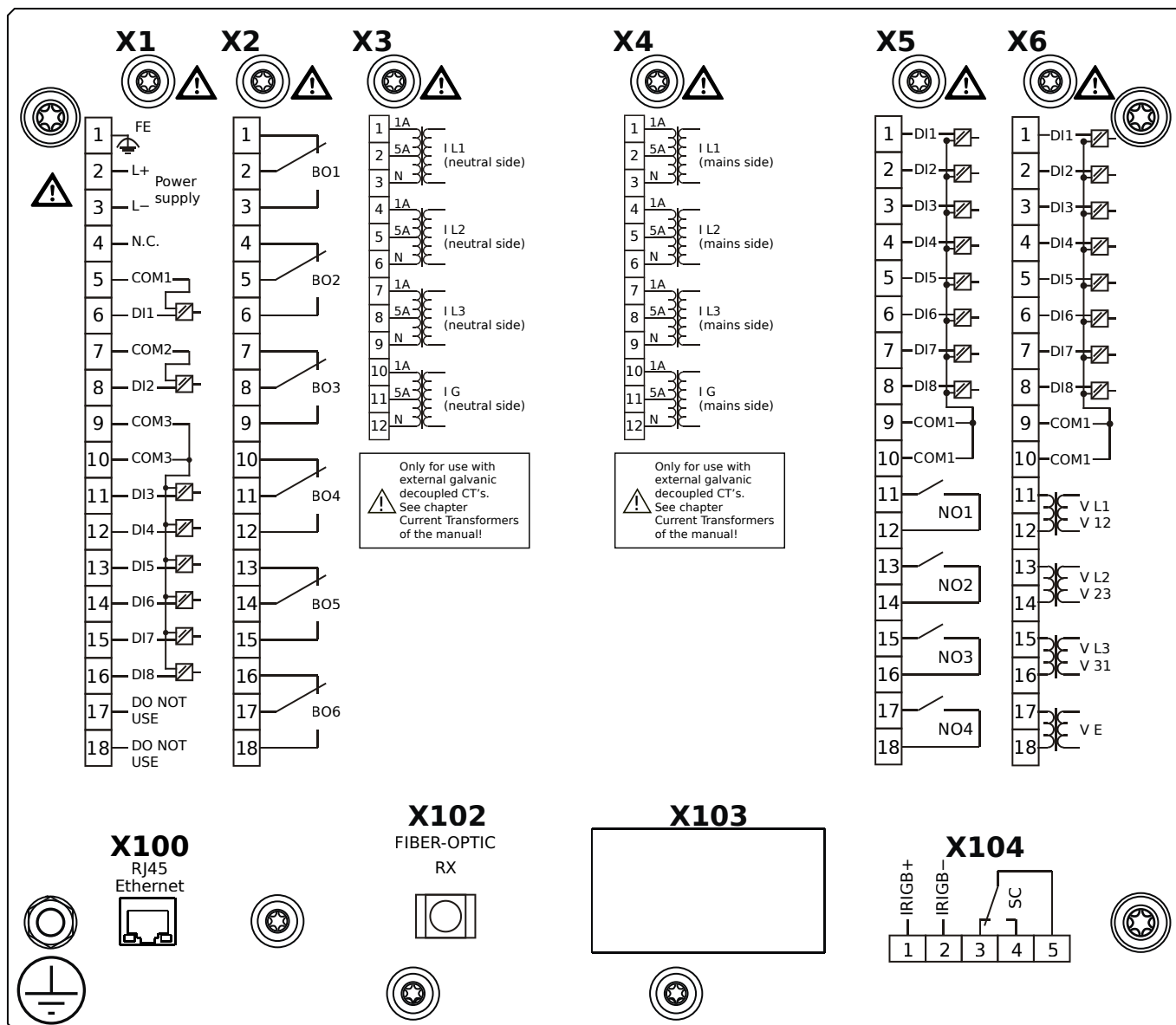
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C0BHB



Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TI: Standard current measuring card (for the neutral side of the differential protection)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)

X6 – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs

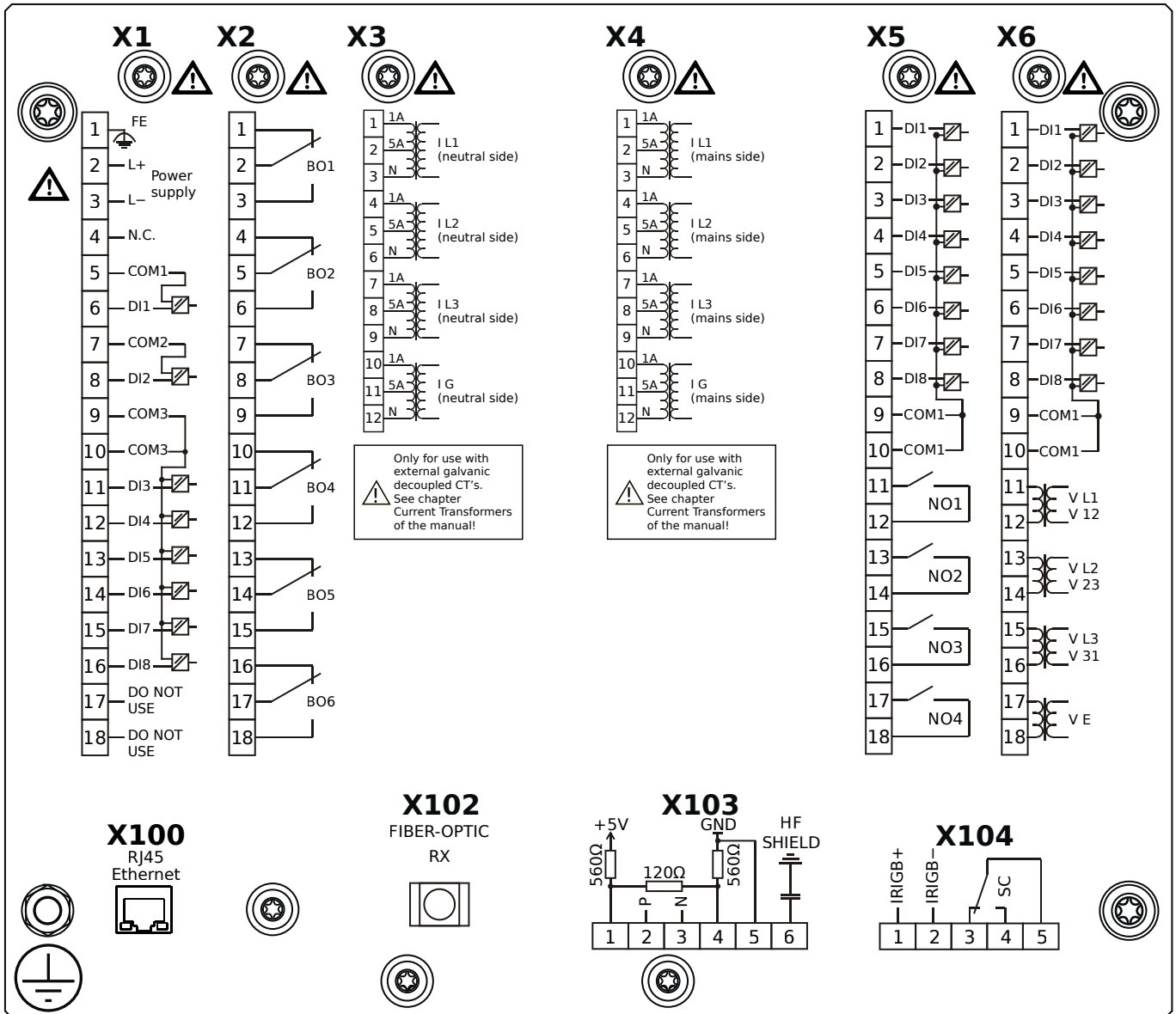
X100 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-

FX)

X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

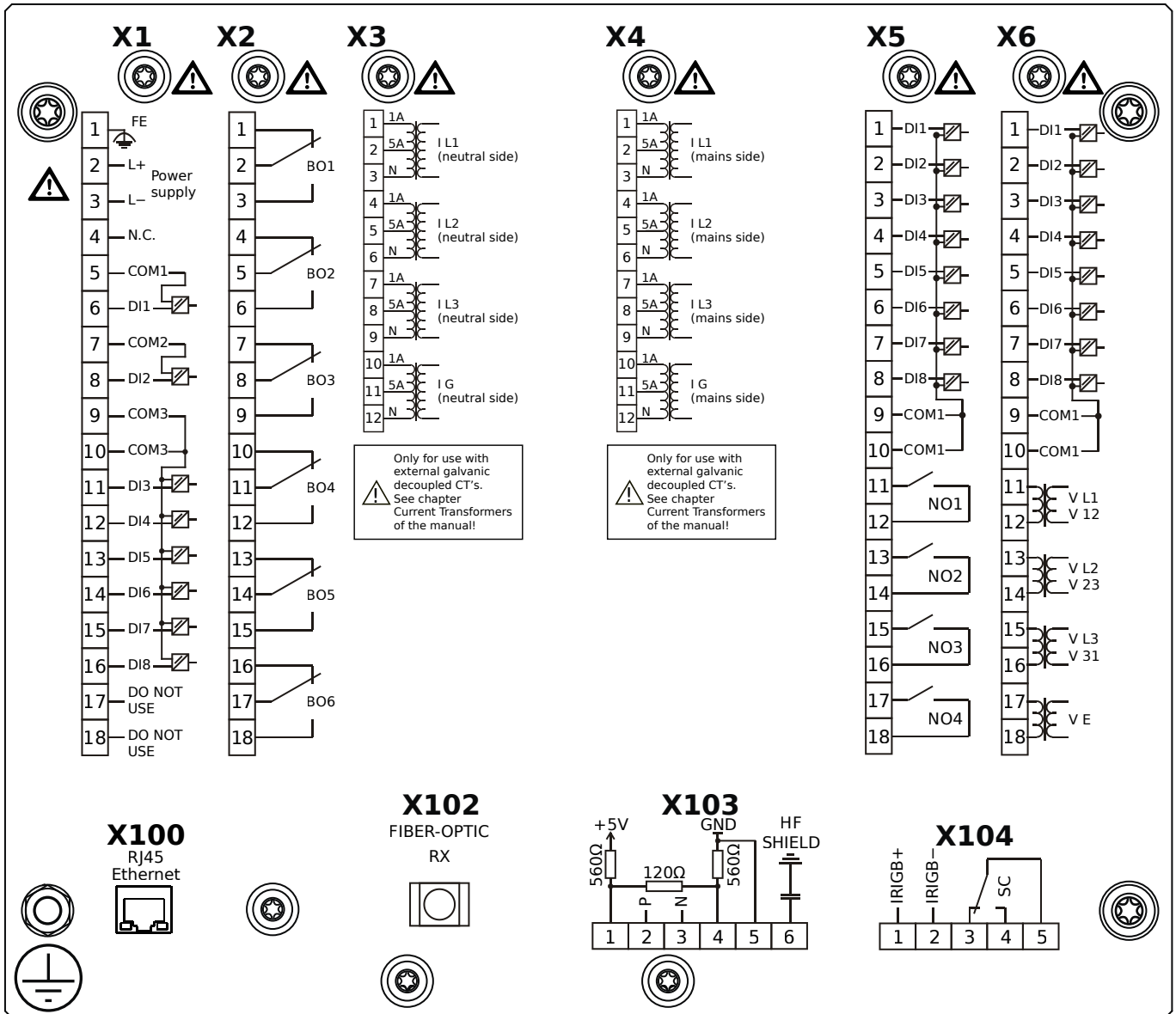
MCDGV4-2C0BIA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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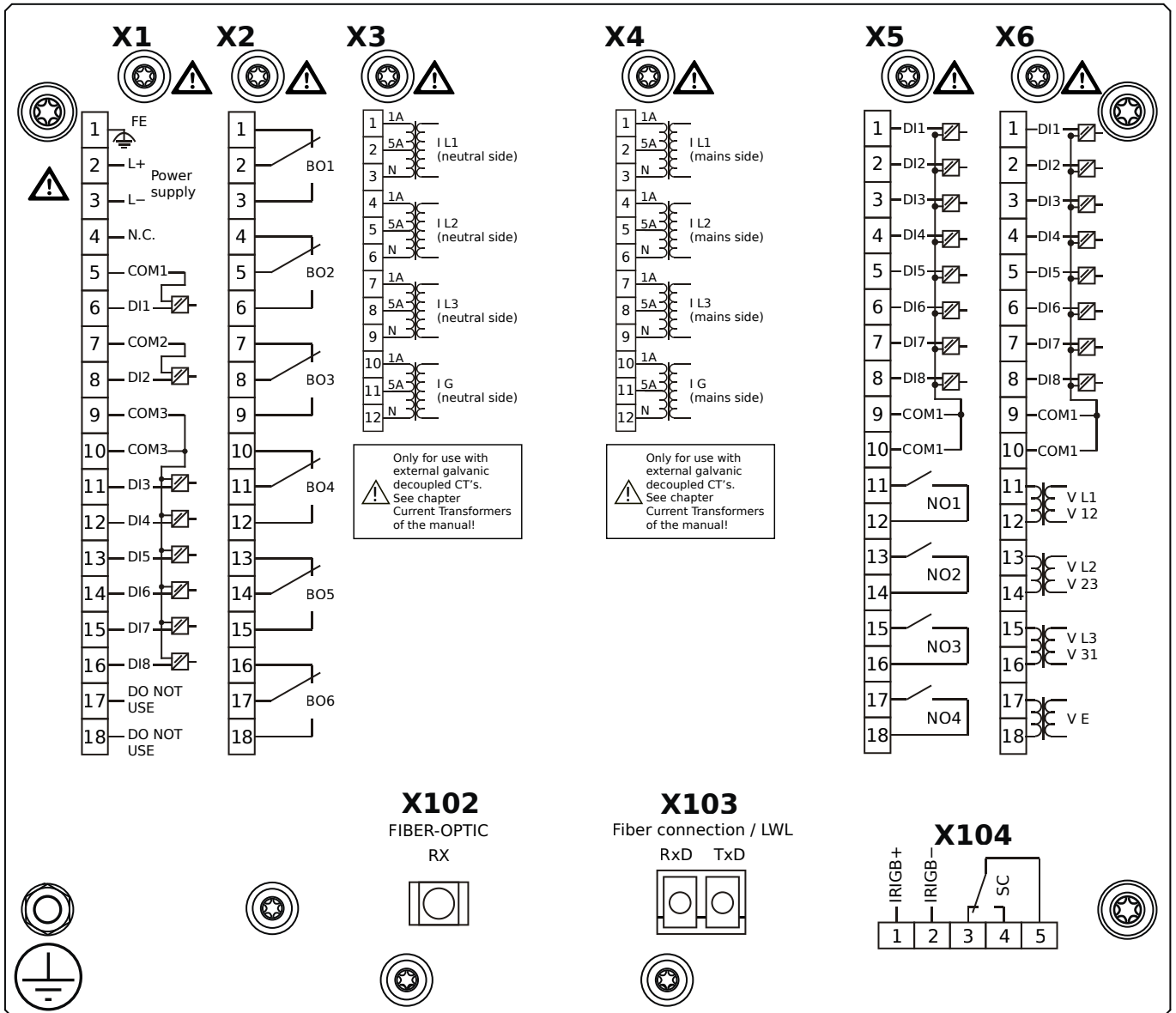


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

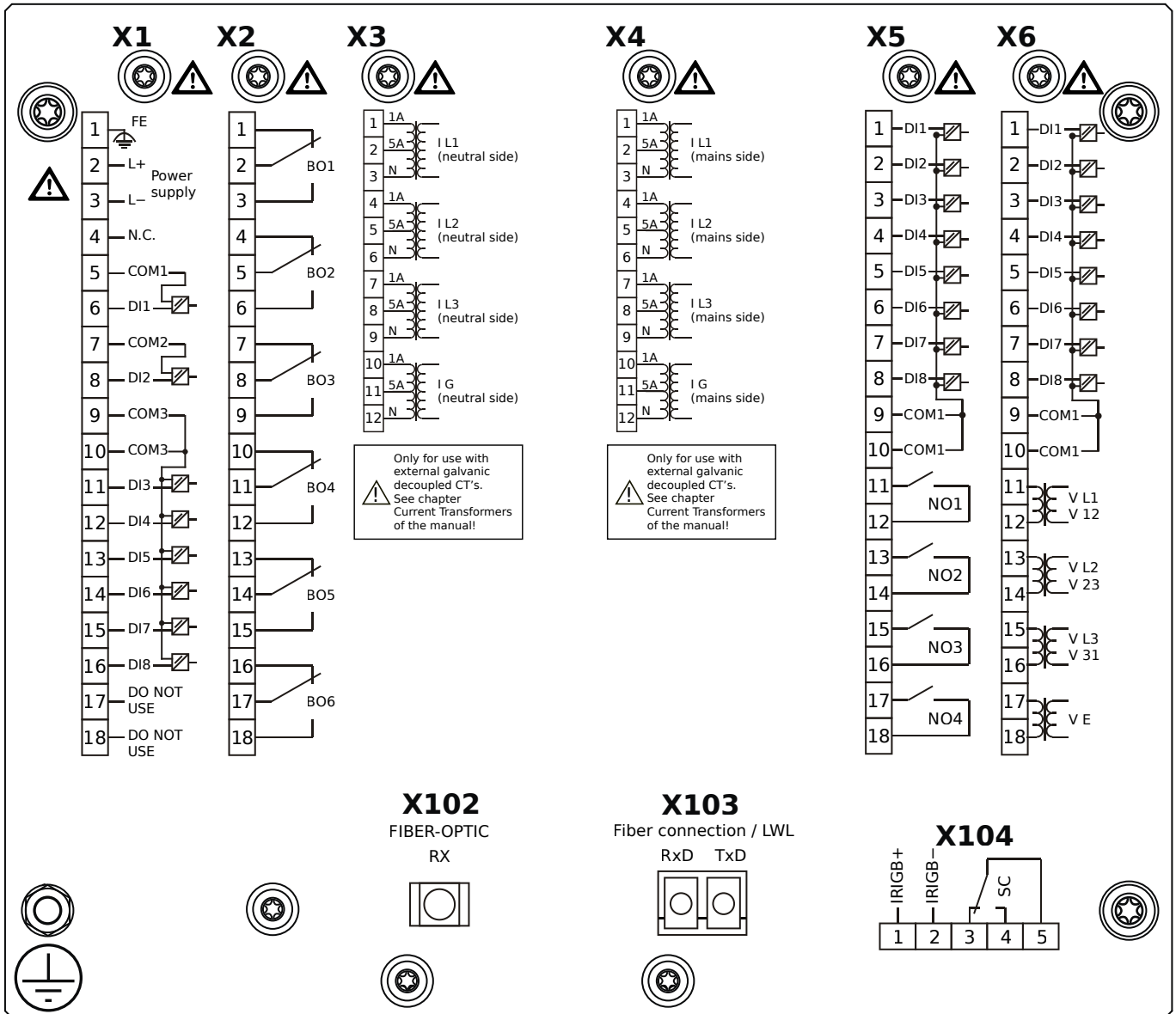
MCDGV4-2C0BKA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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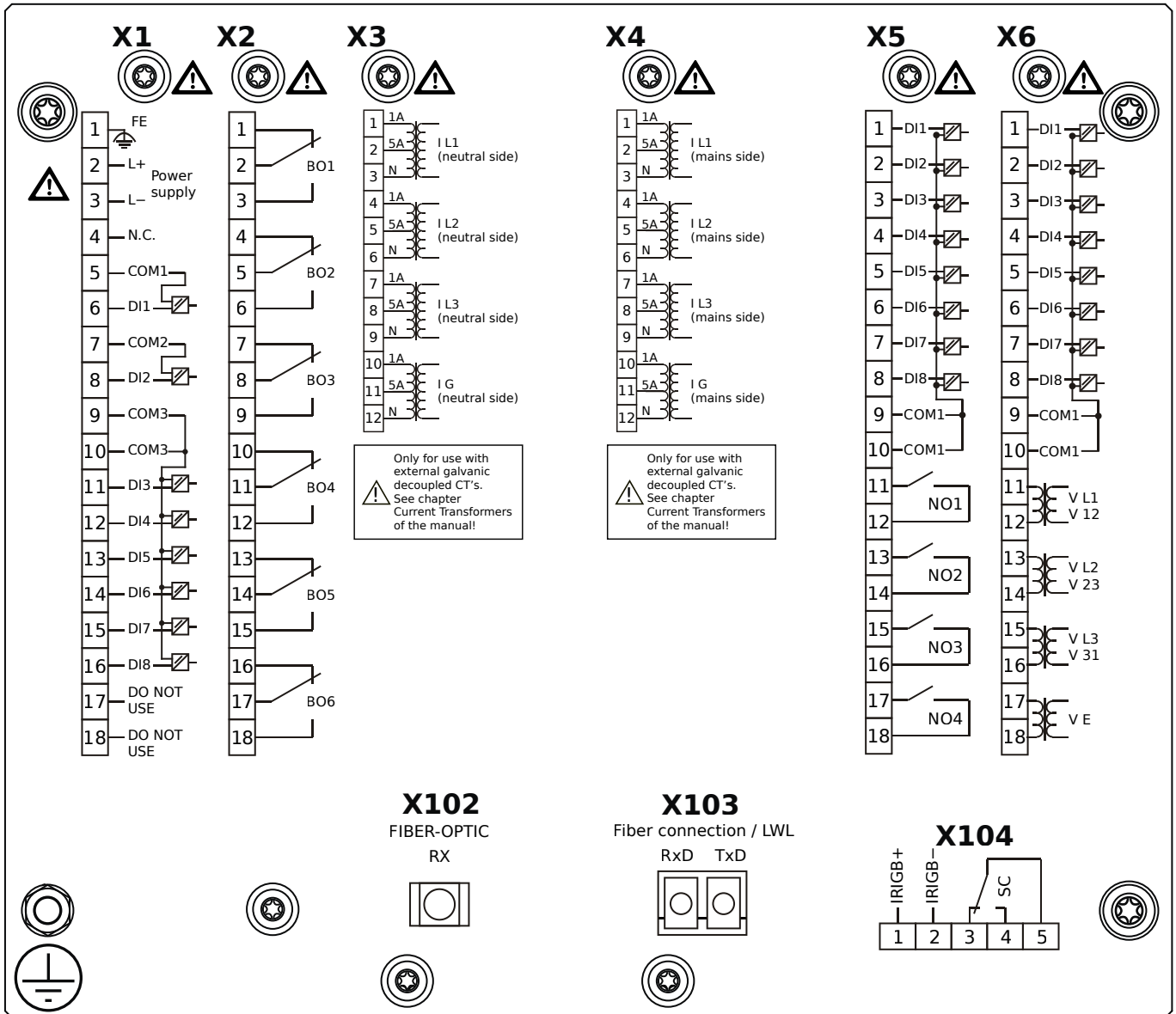


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

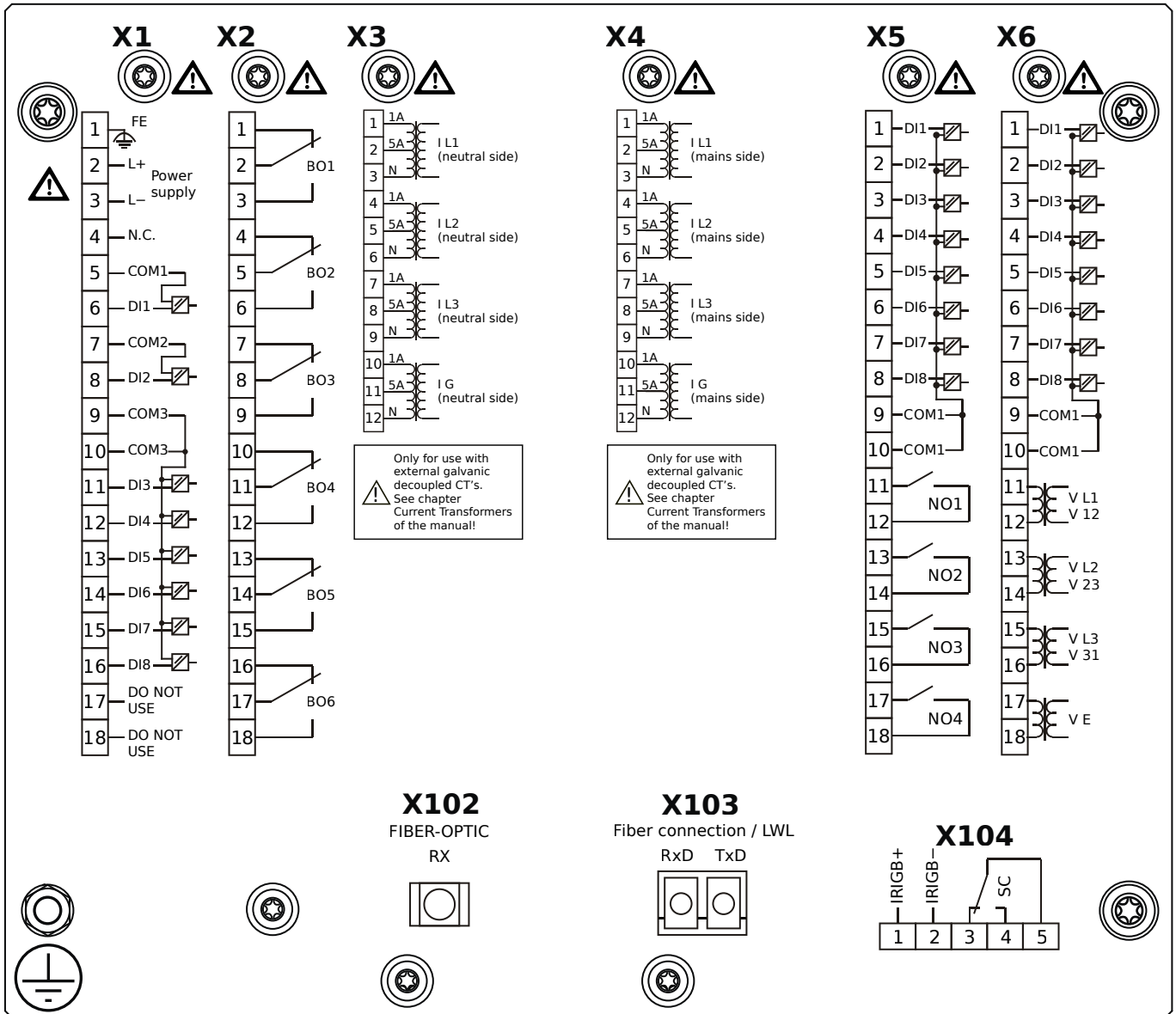
MCDGV4-2C0BLA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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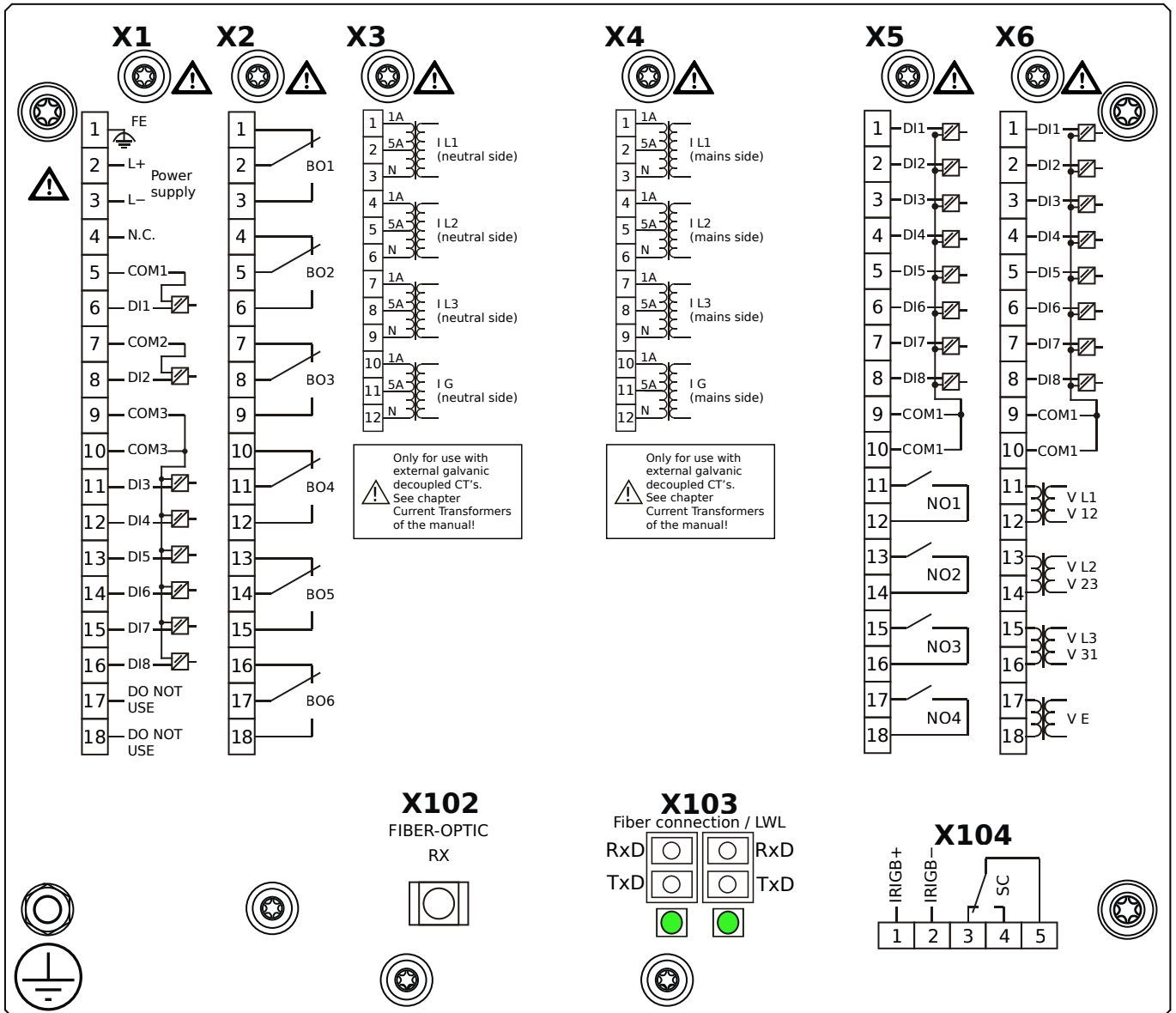


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

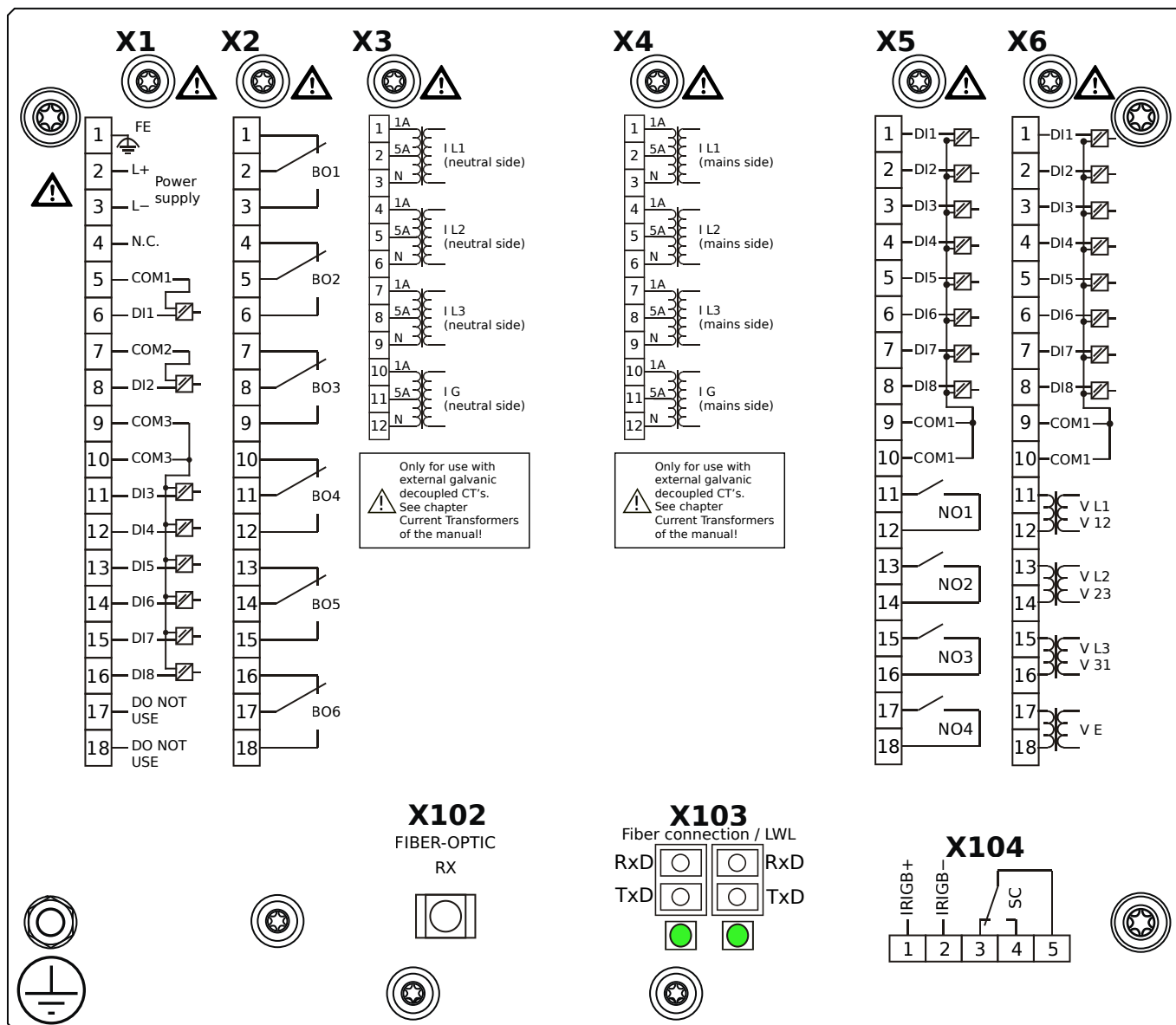
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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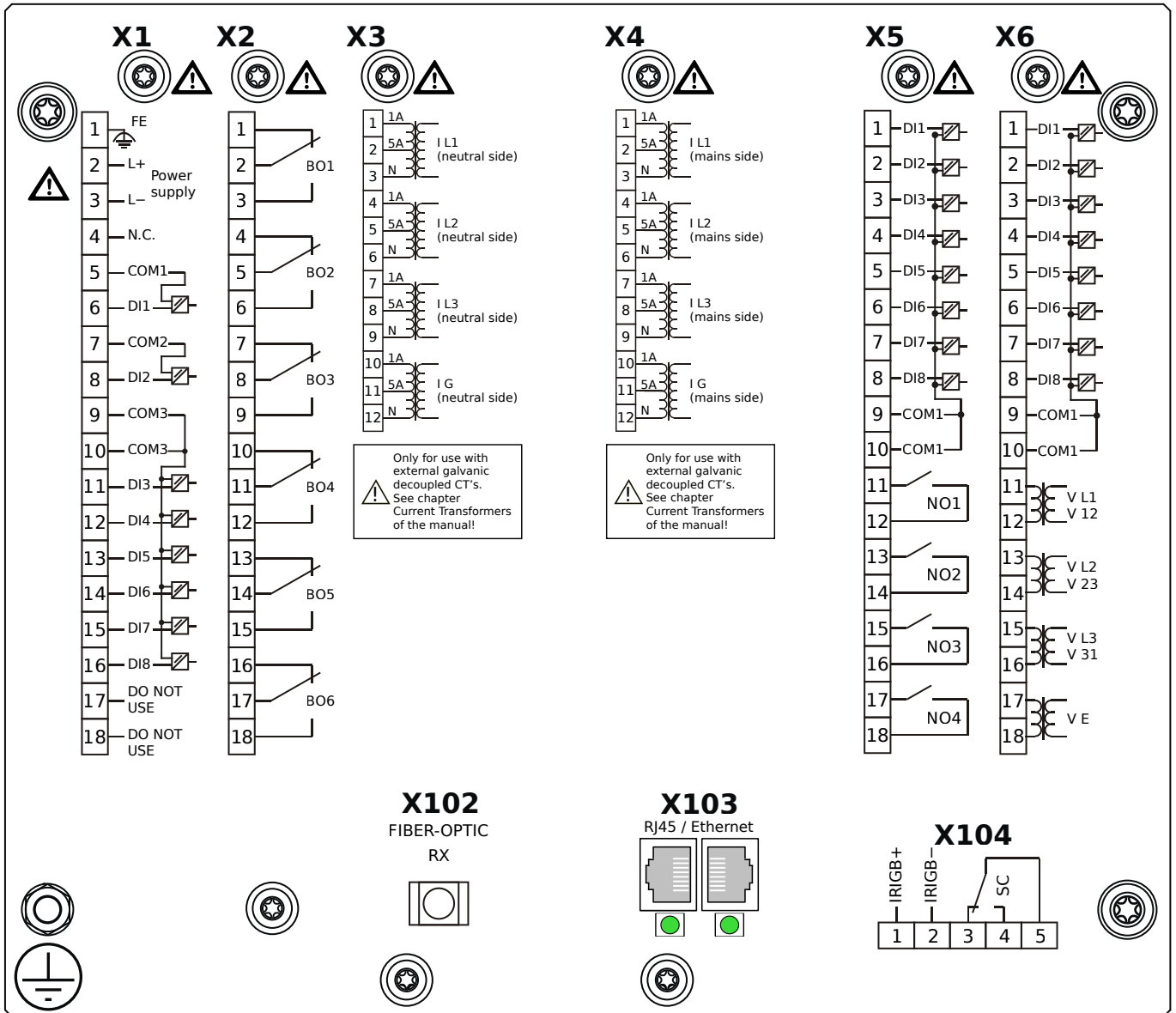


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

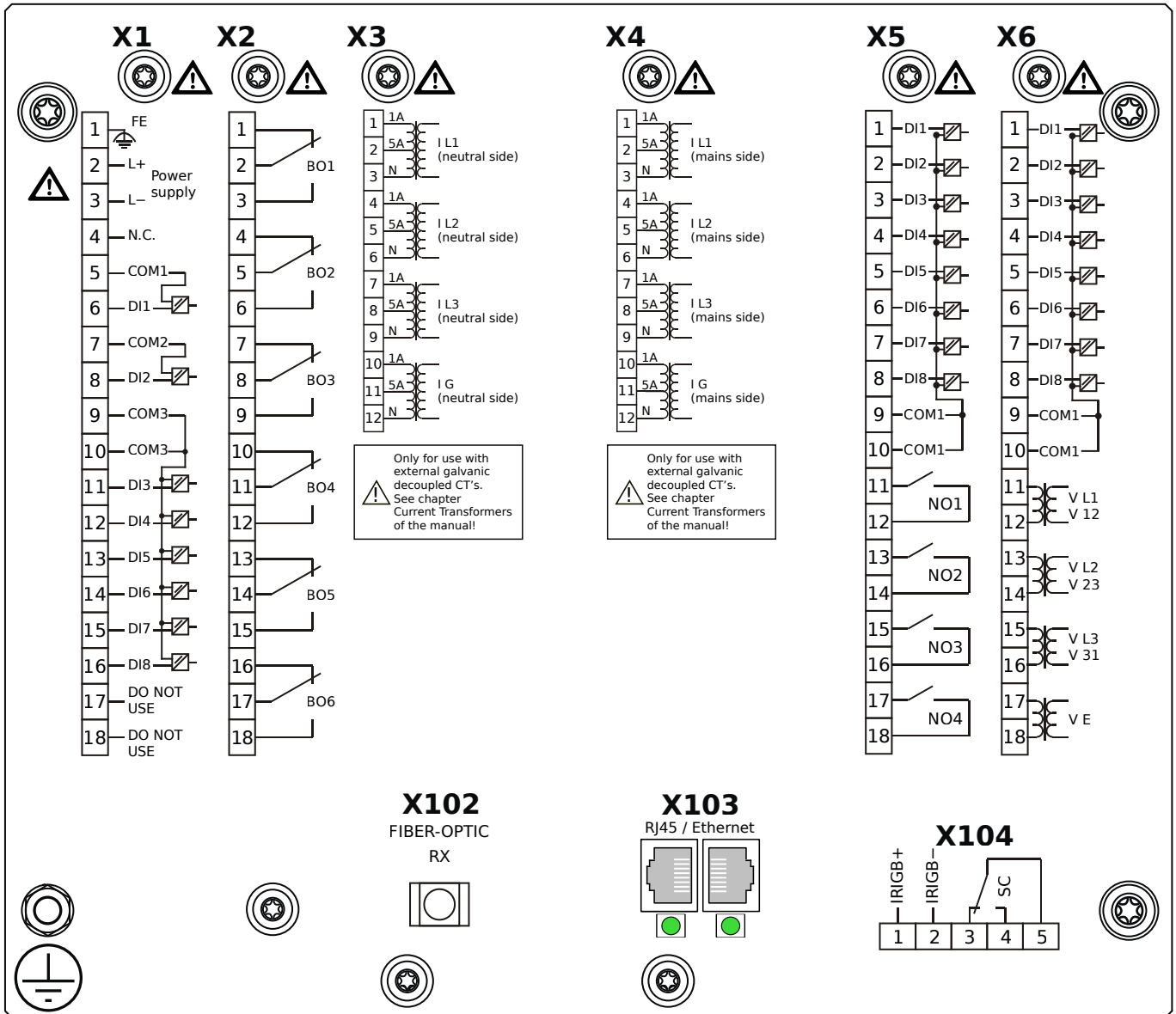
MCDGV4-2C0BPA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C0BPB

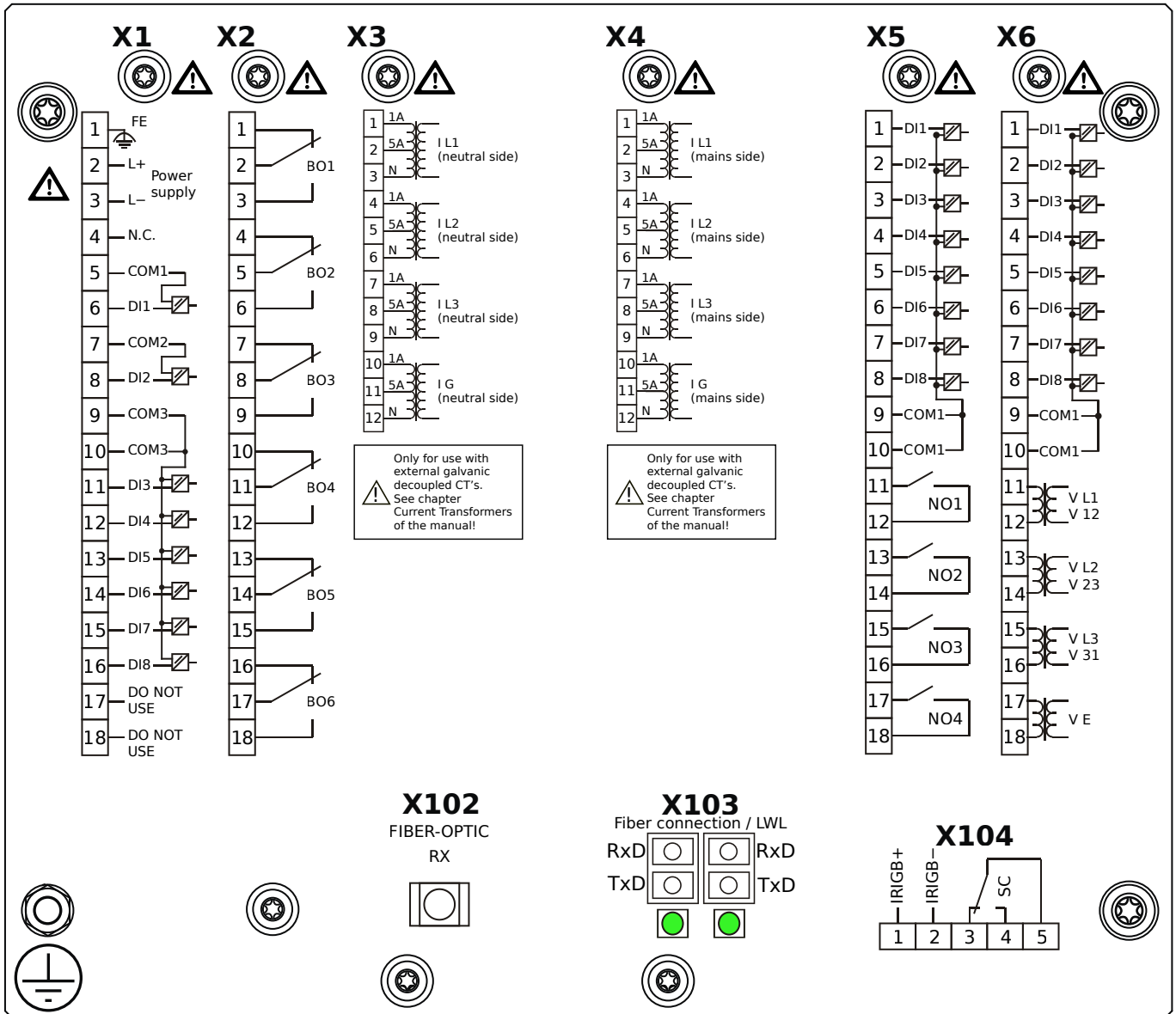


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

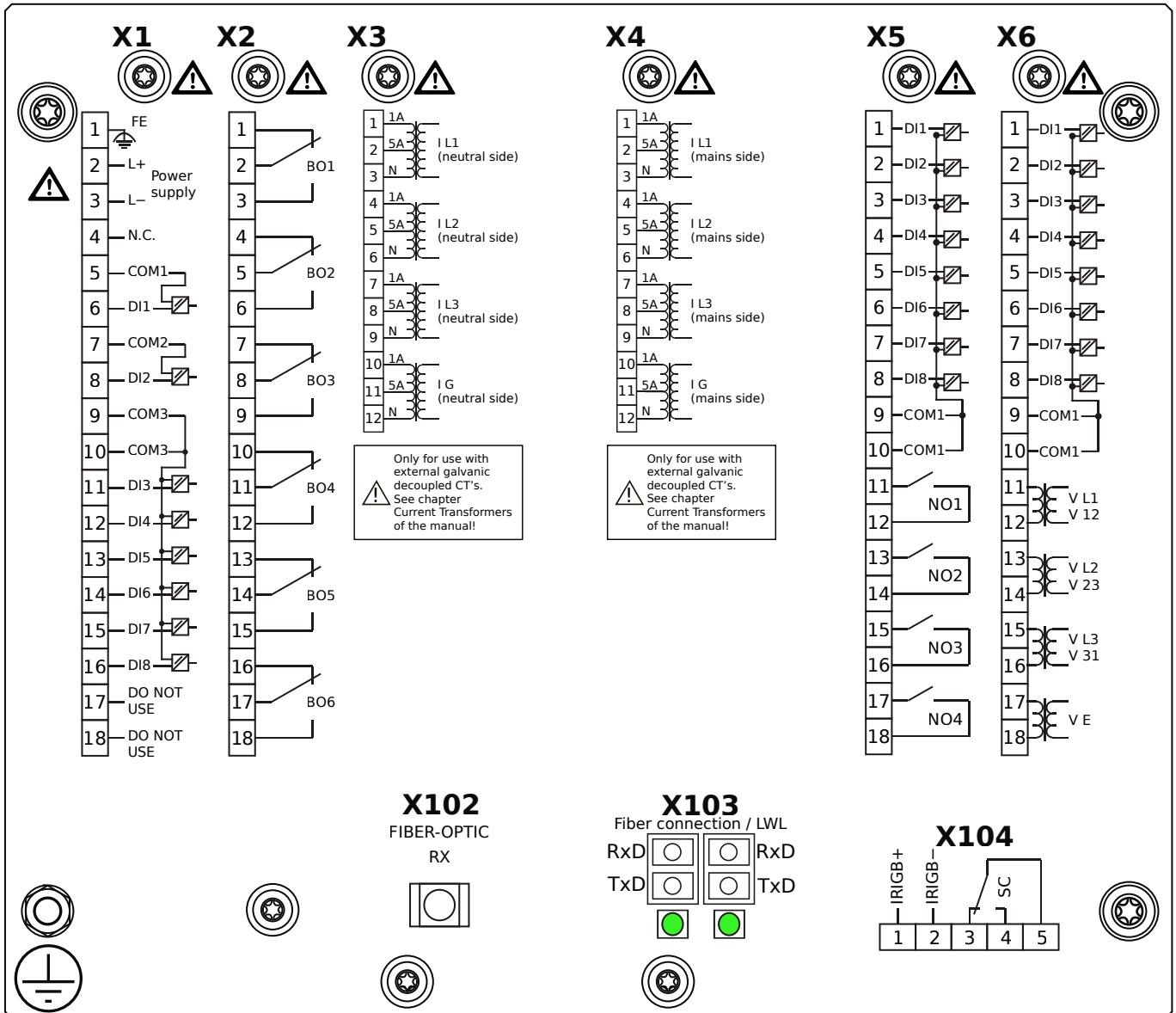
MCDGV4-2C0BQA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C0BQB



Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TI: Standard current measuring card (for the neutral side of the differential protection)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)

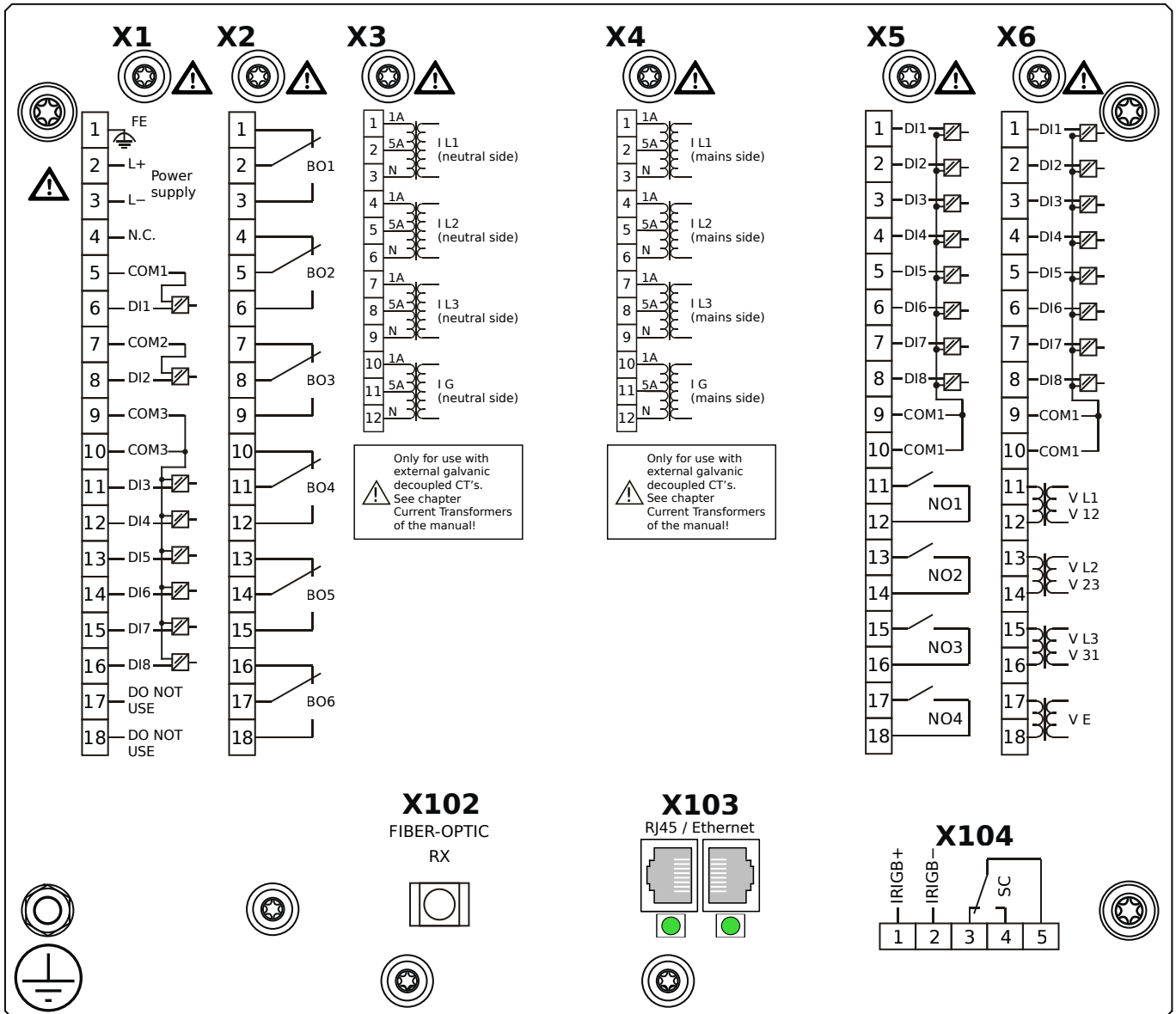
X6 – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs

X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

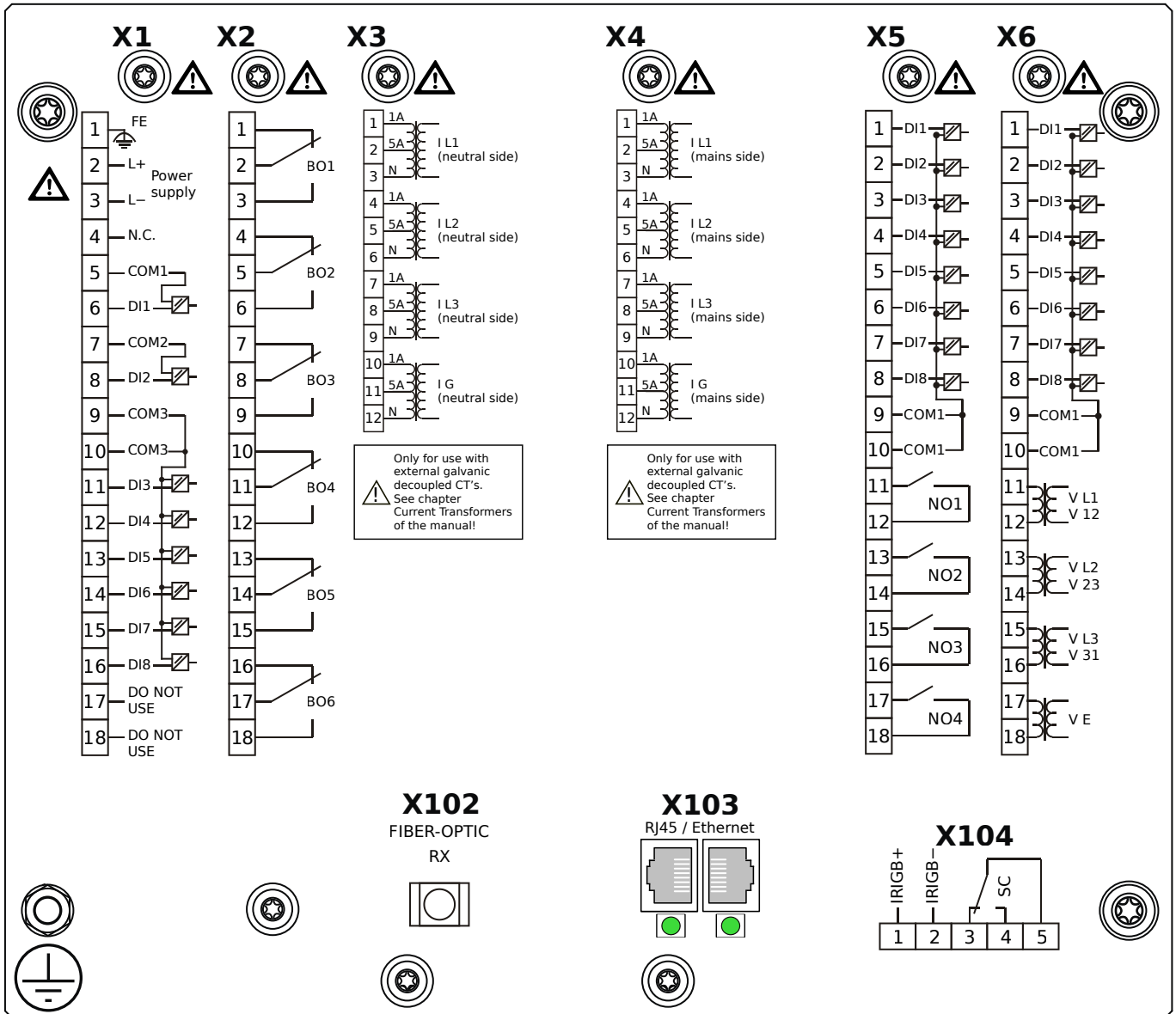
MCDGV4-2C0BRA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45
- (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C0BRB



Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TI: Standard current measuring card (for the neutral side of the differential protection)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)

X6 – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs

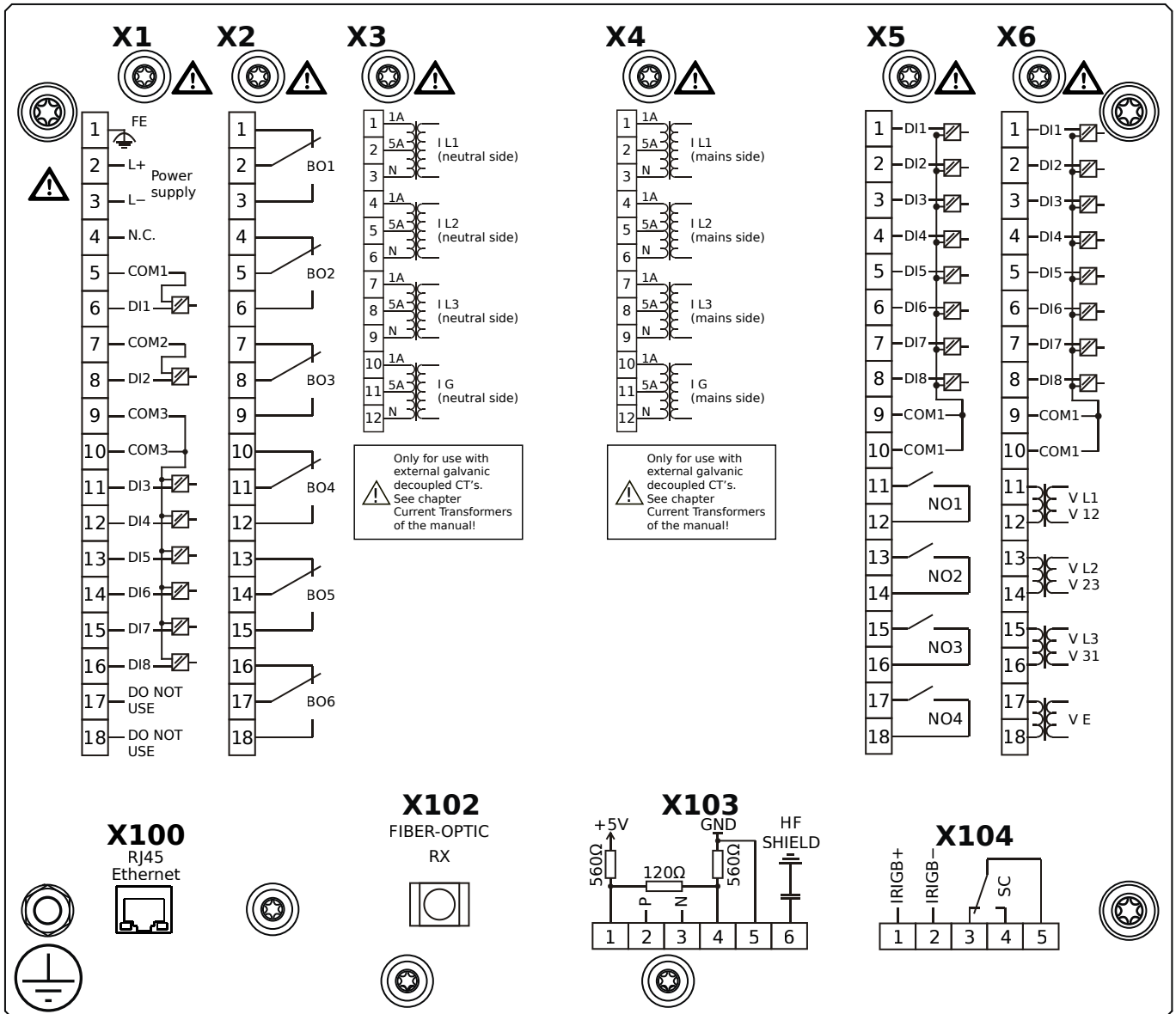
X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45

(BASE100-FX)

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

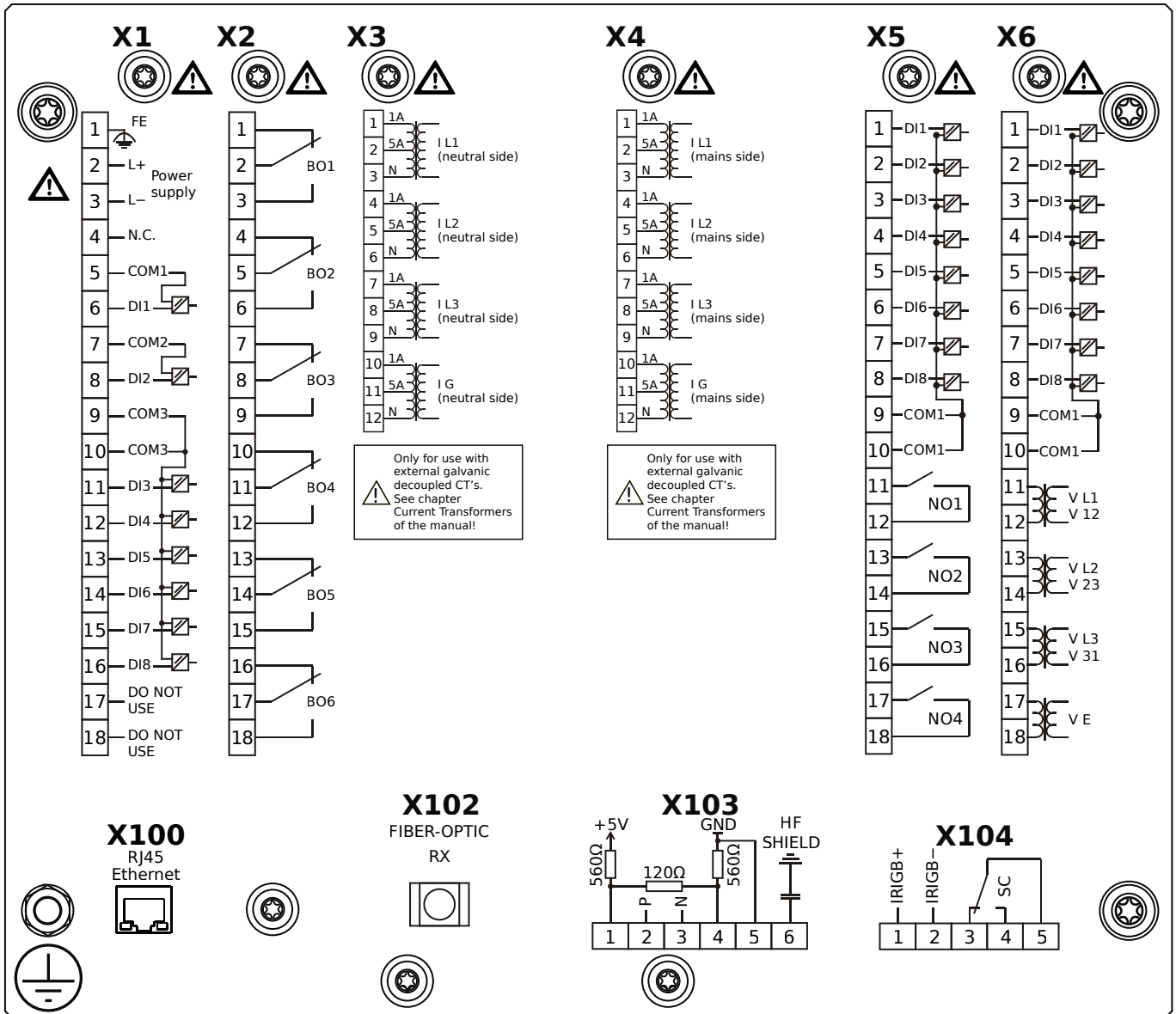
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C0BTB



Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TI: Standard current measuring card (for the neutral side of the differential protection)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)

X6 – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs

X100 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-

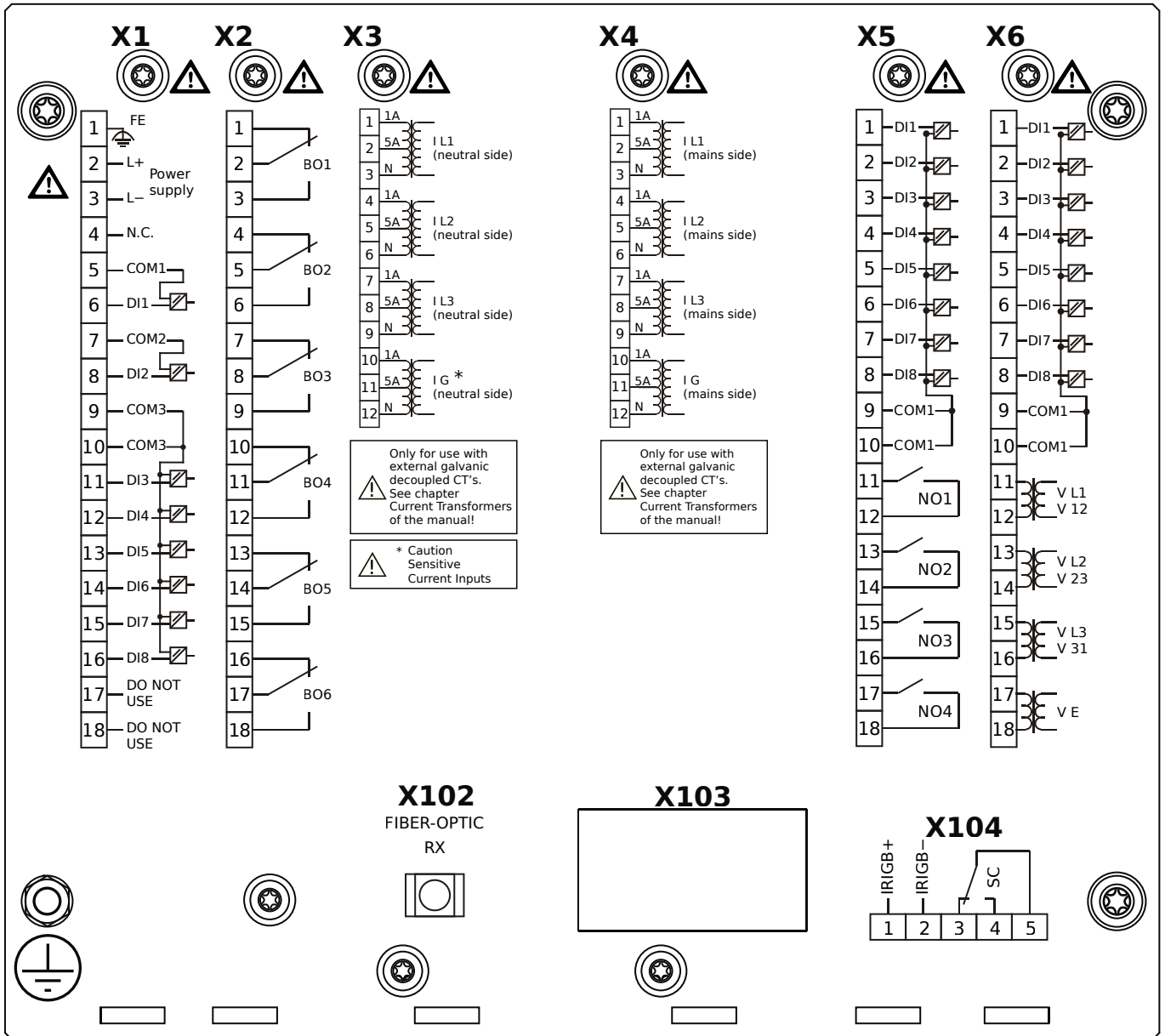
FX)

X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

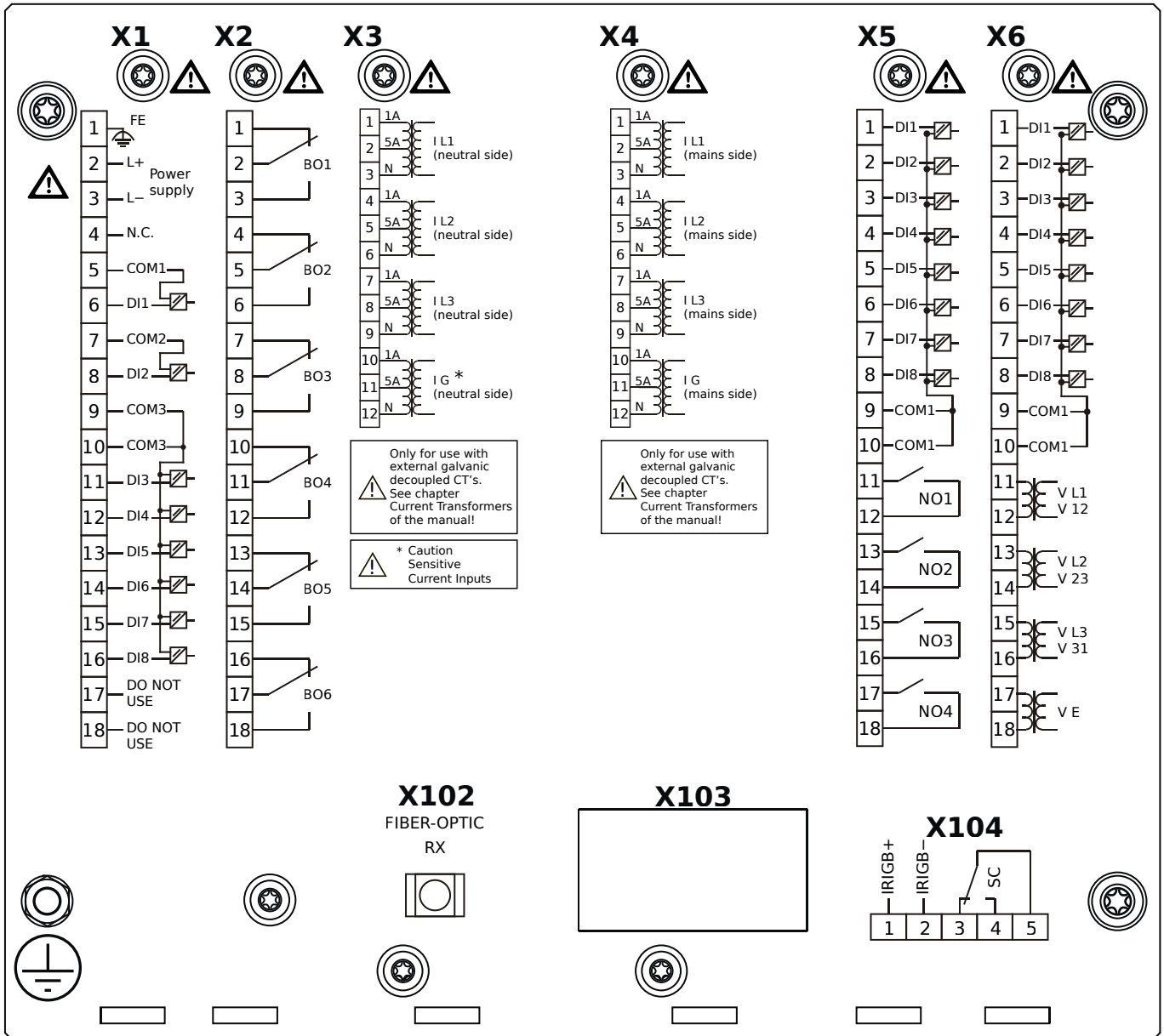
MCDGV4-2C1AAA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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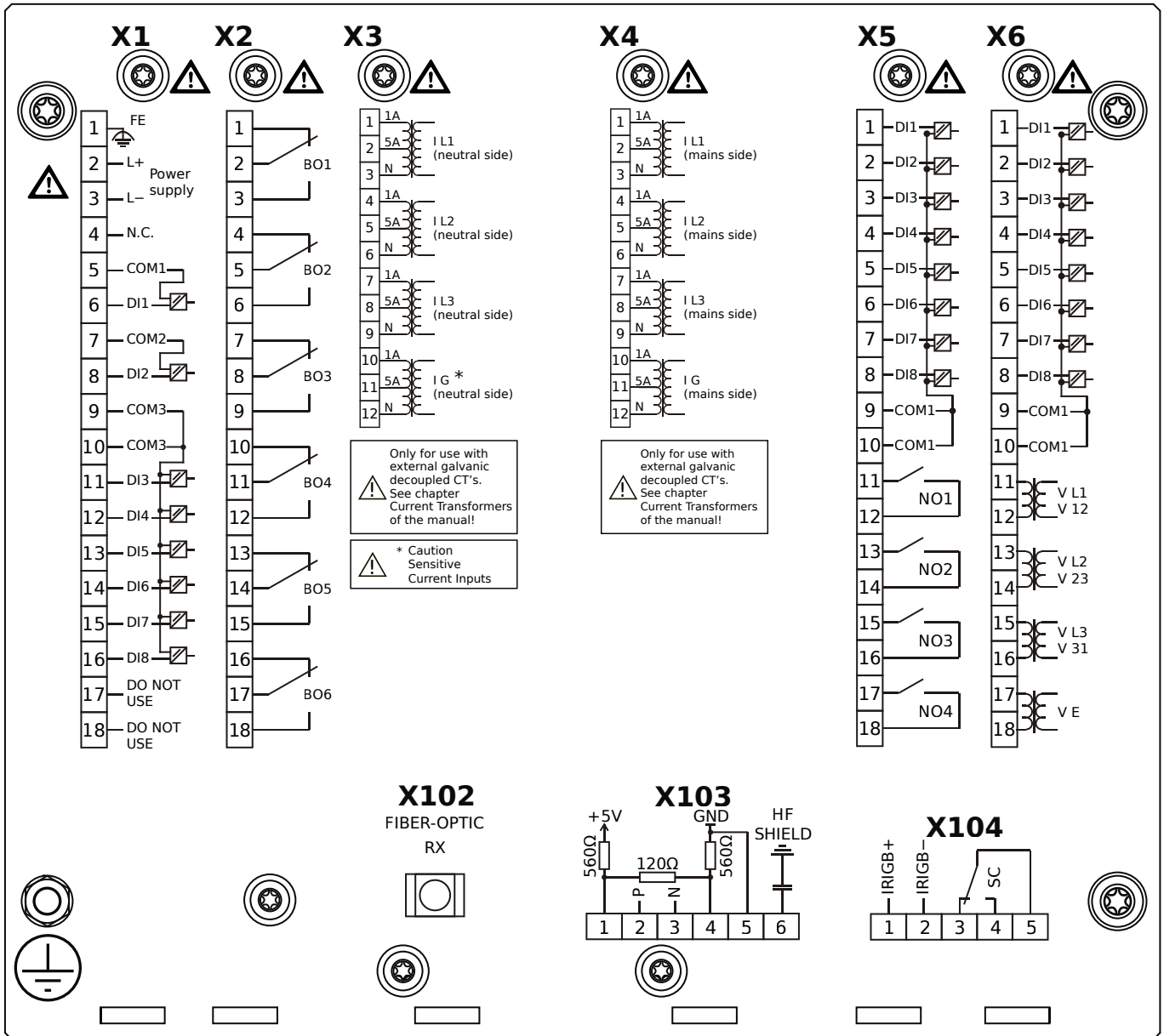


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

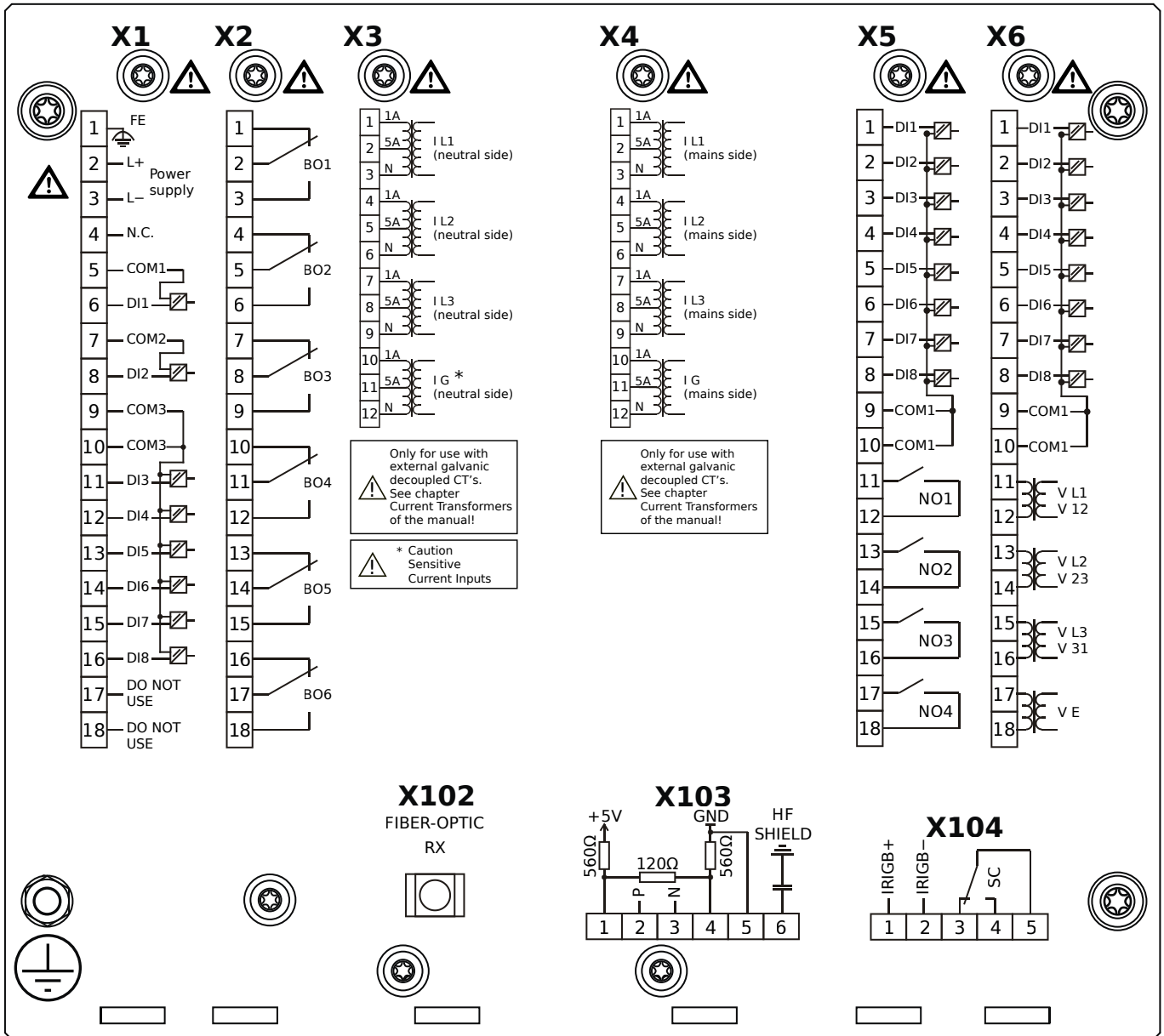
MCDGV4-2C1ABA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1ABB

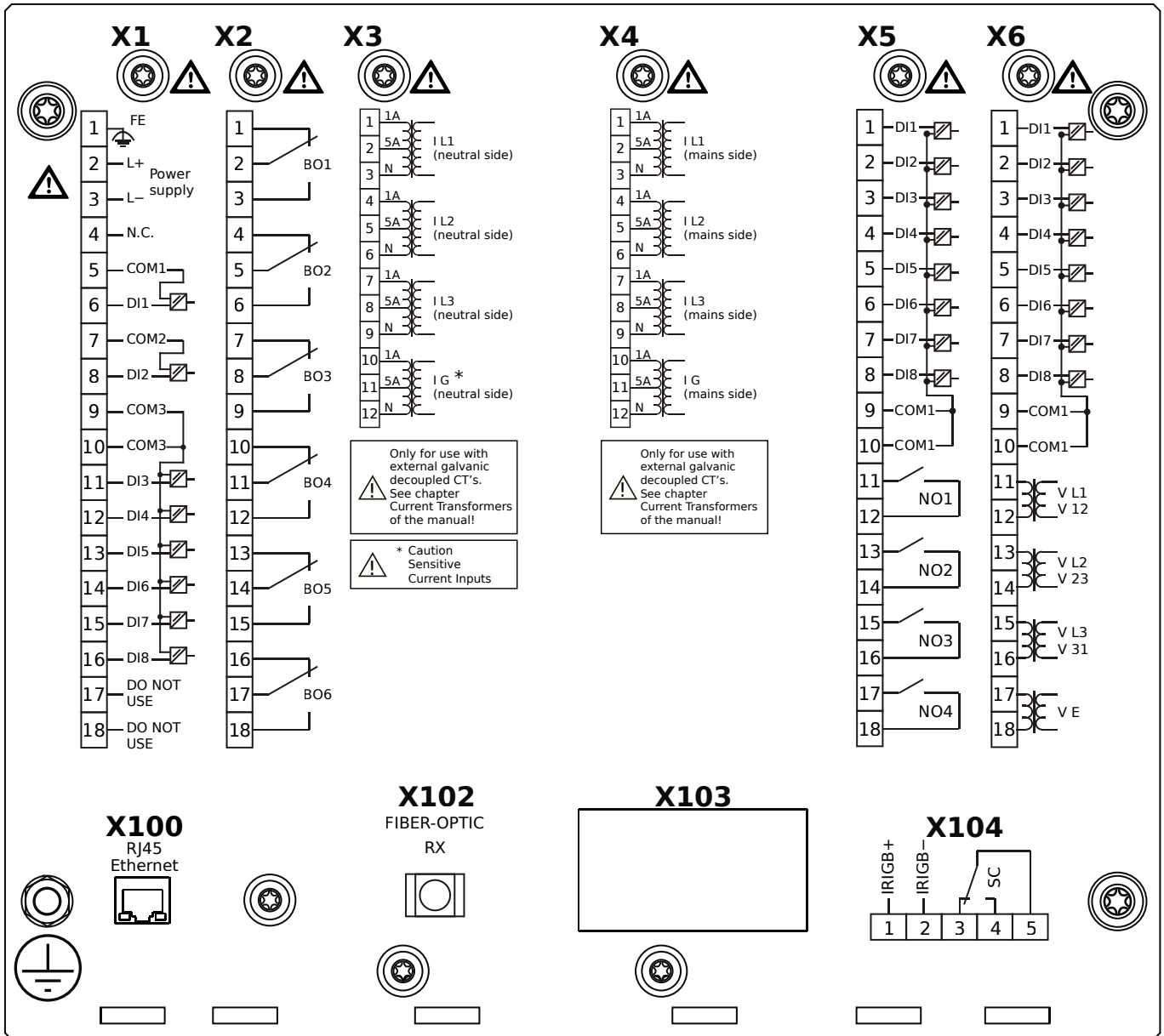


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

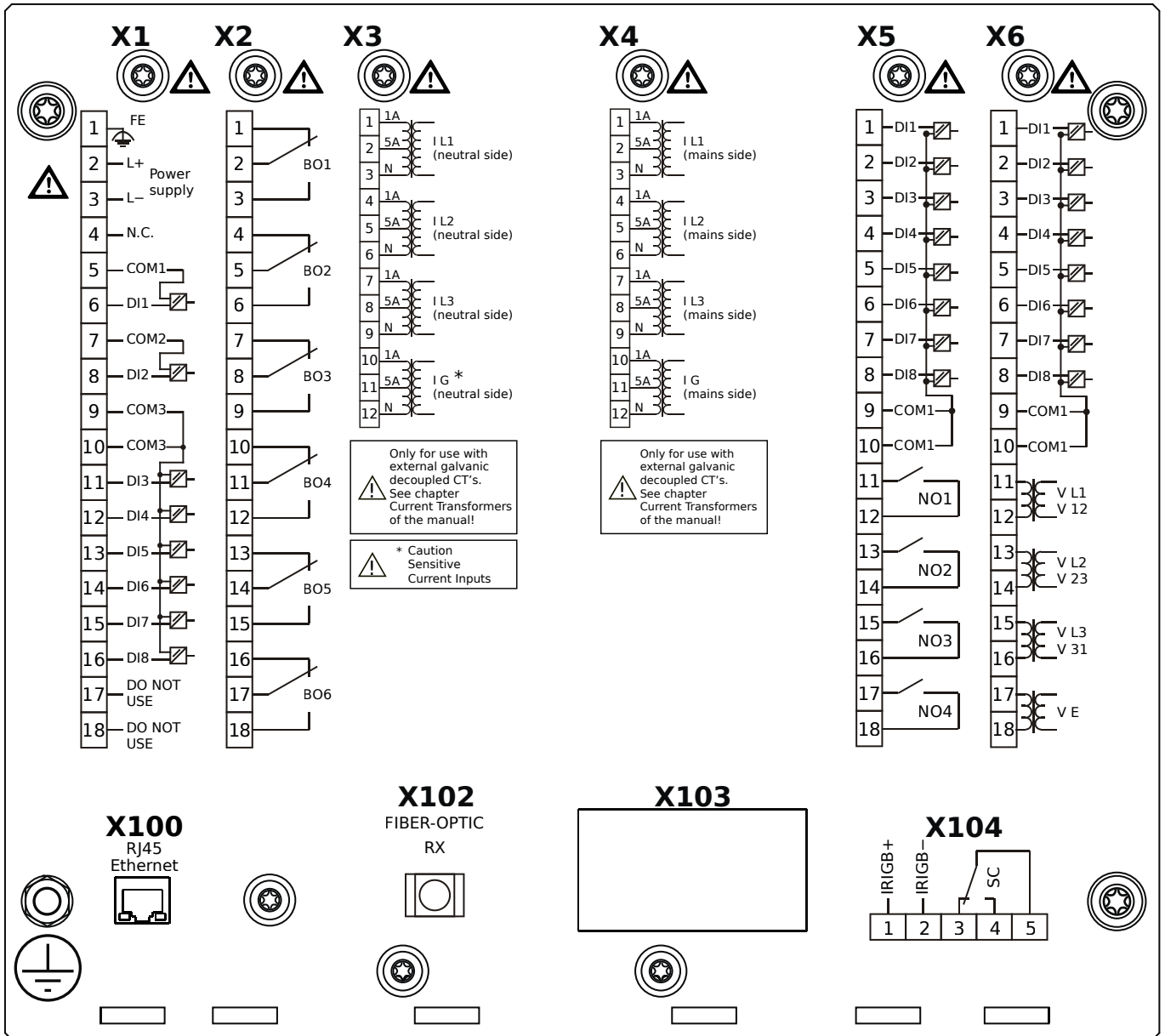
MCDGV4-2C1ACA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1ACB

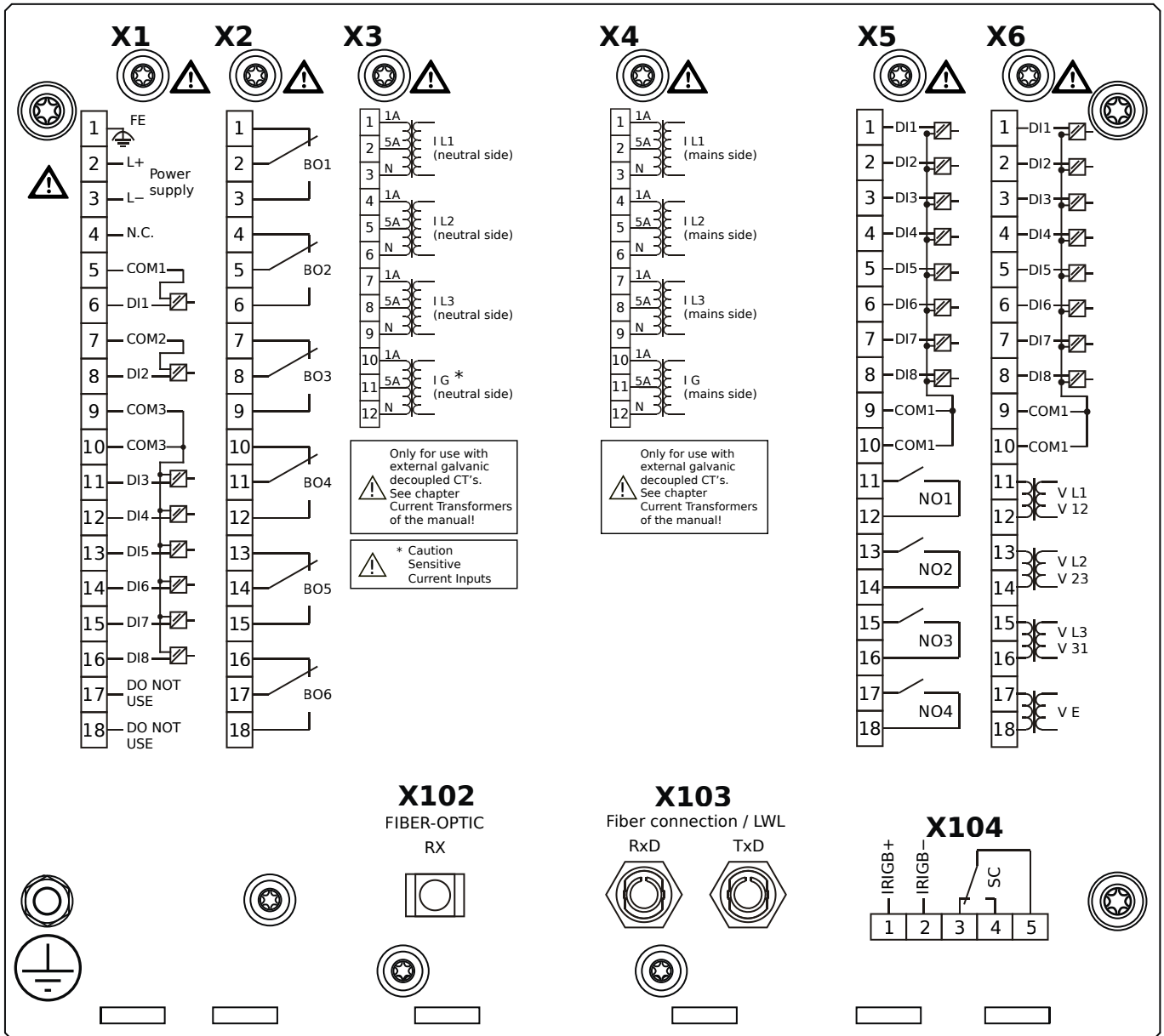


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

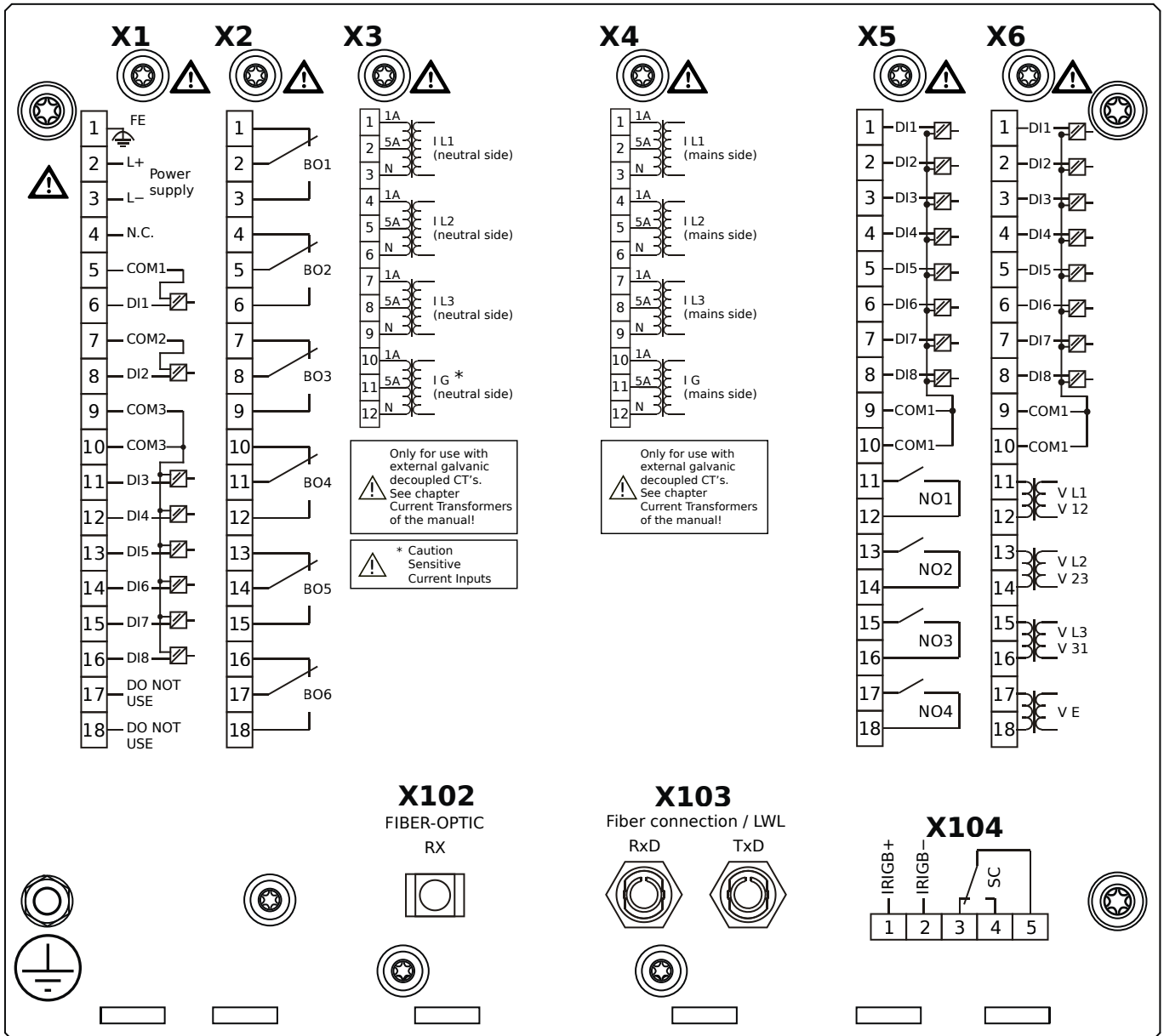
MCDGV4-2C1ADA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1ADB

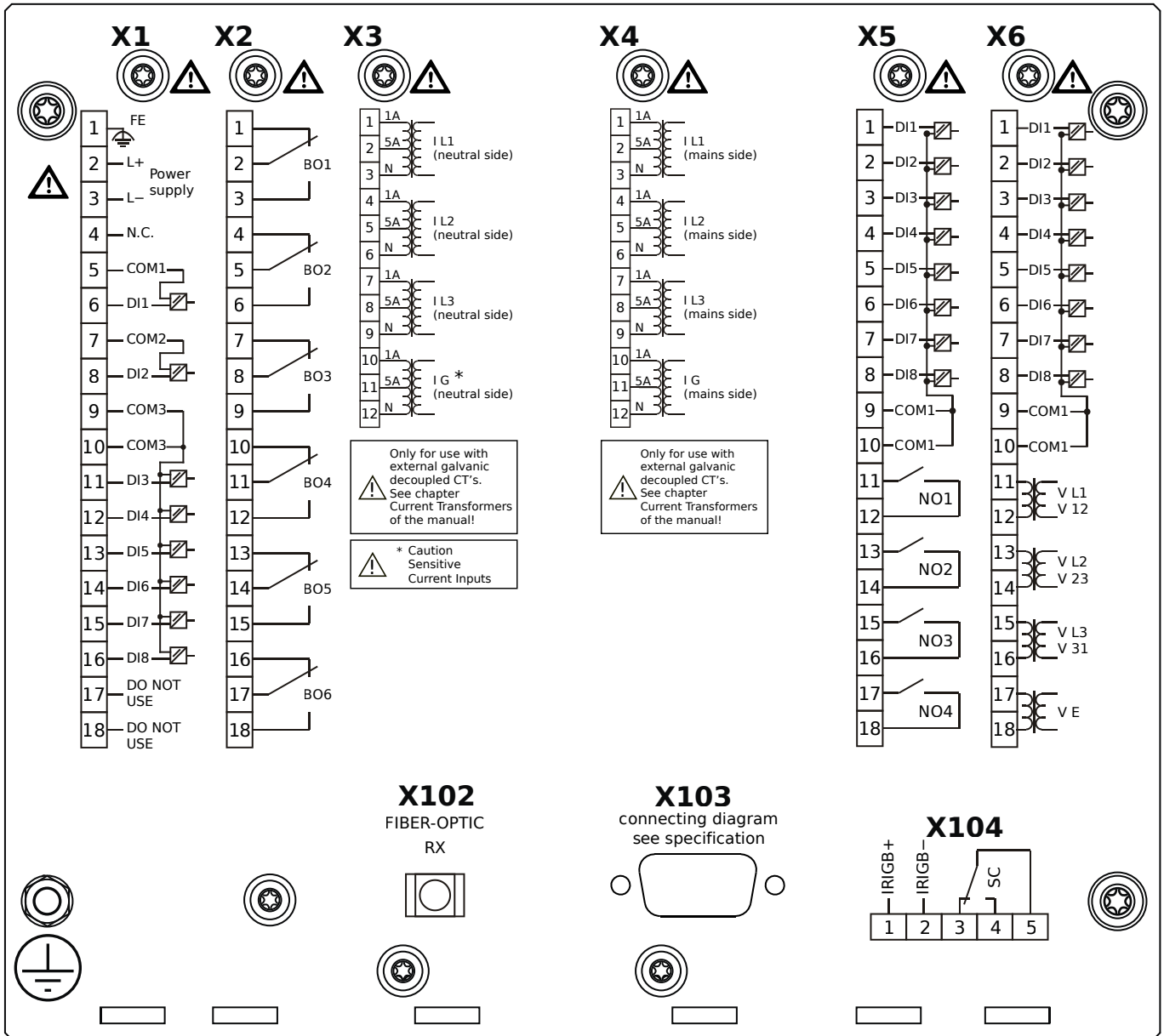


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

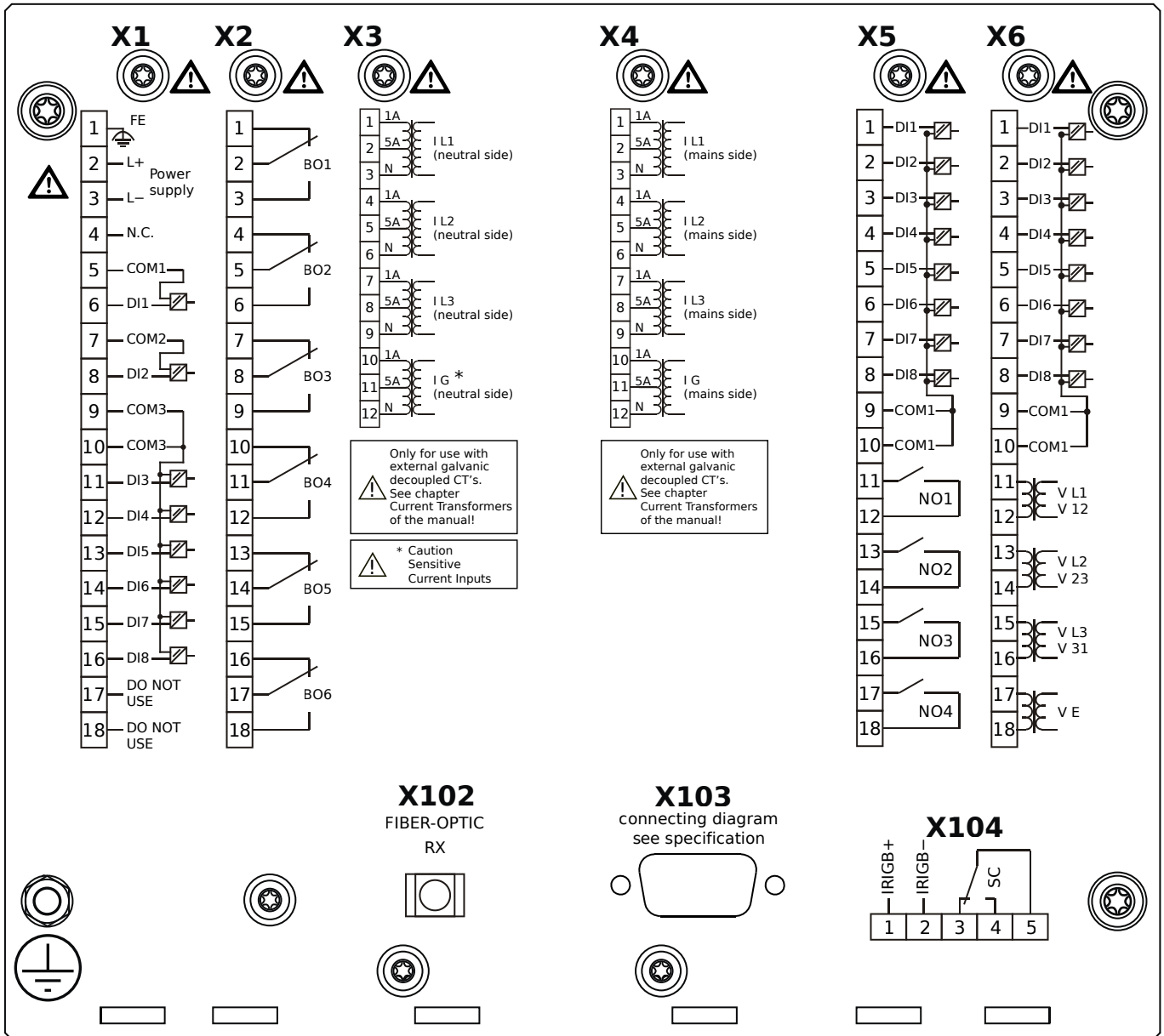
MCDGV4-2C1AEA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1AEB

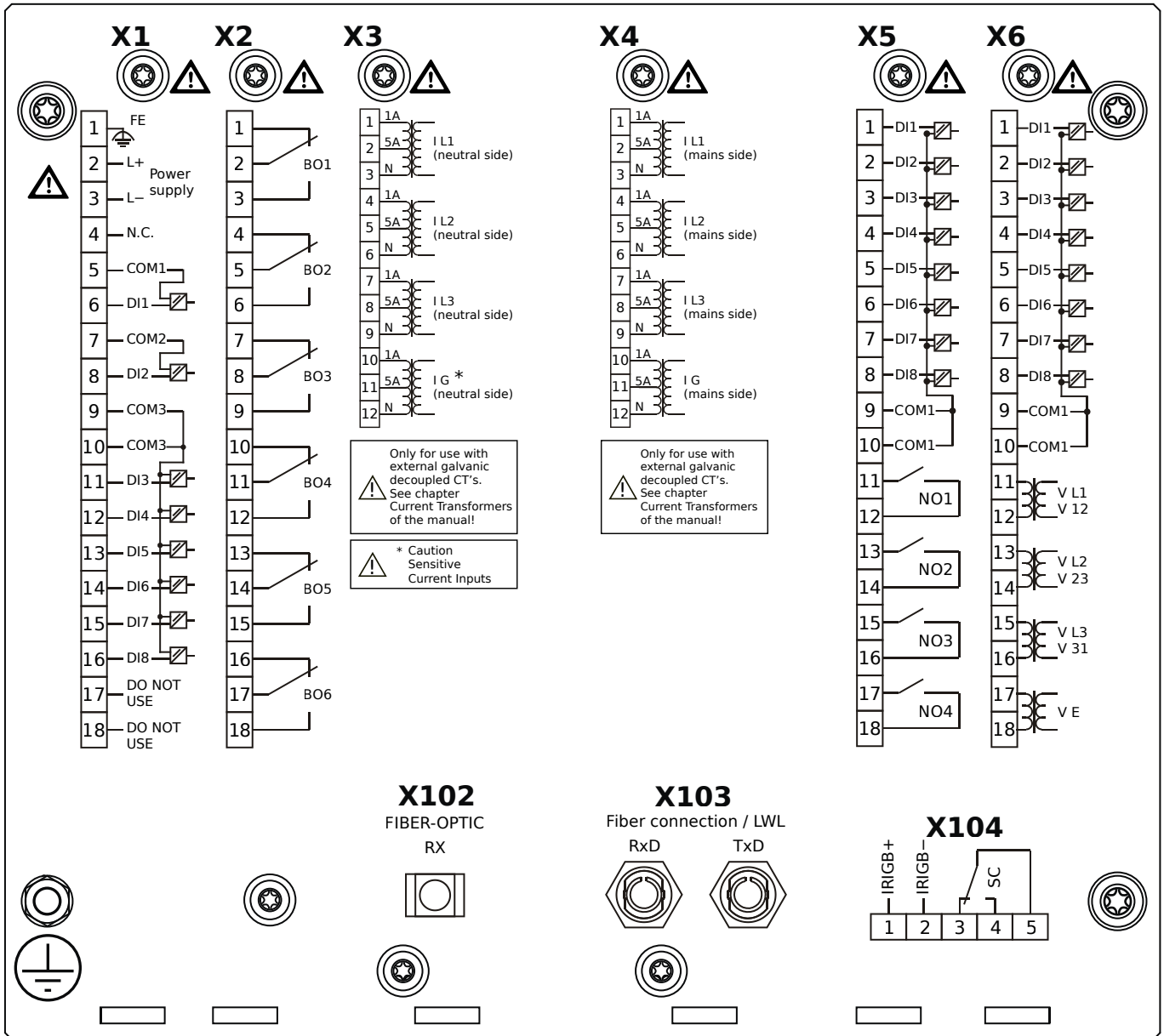


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

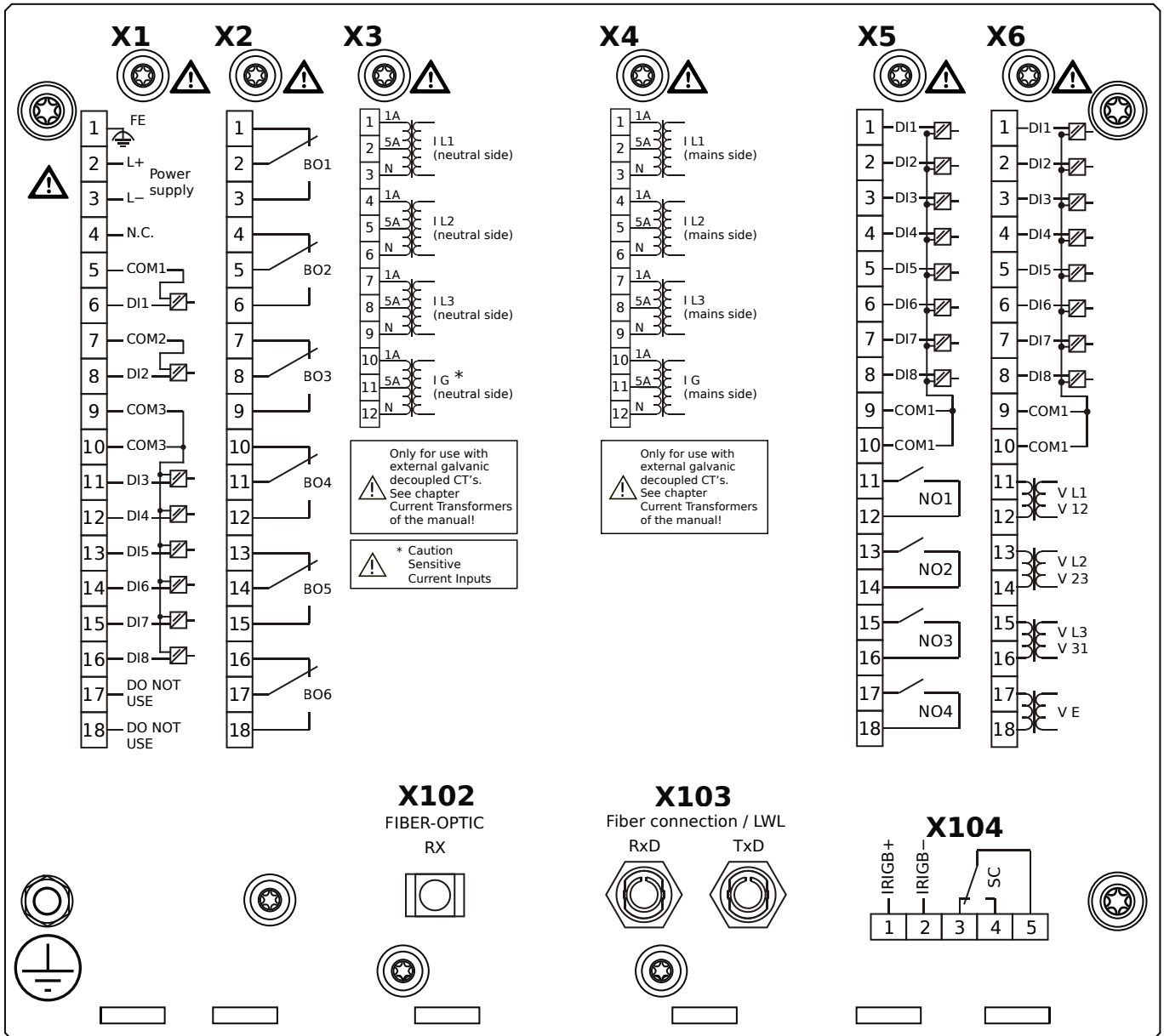
MCDGV4-2C1AFA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1AFB

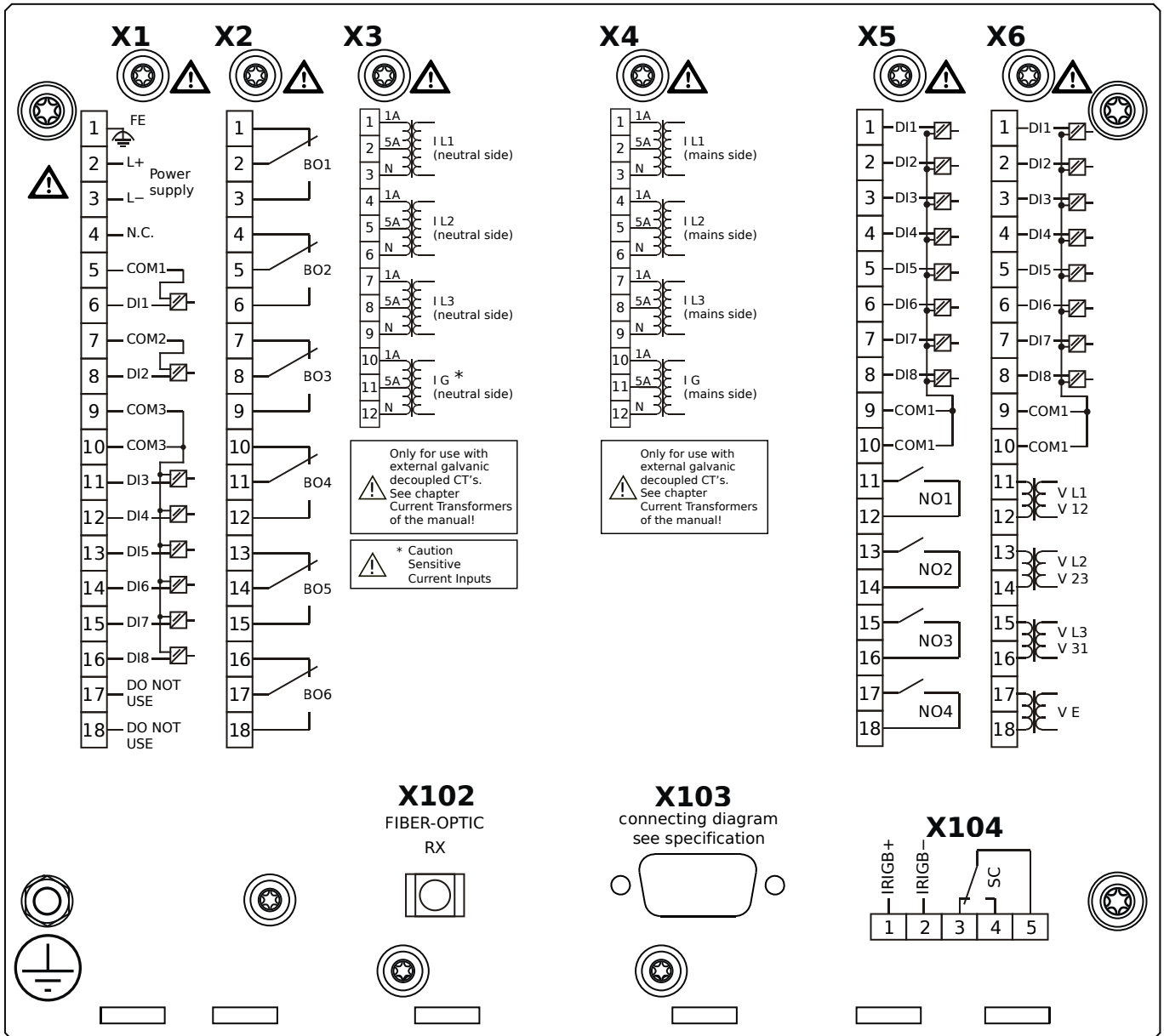


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
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- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

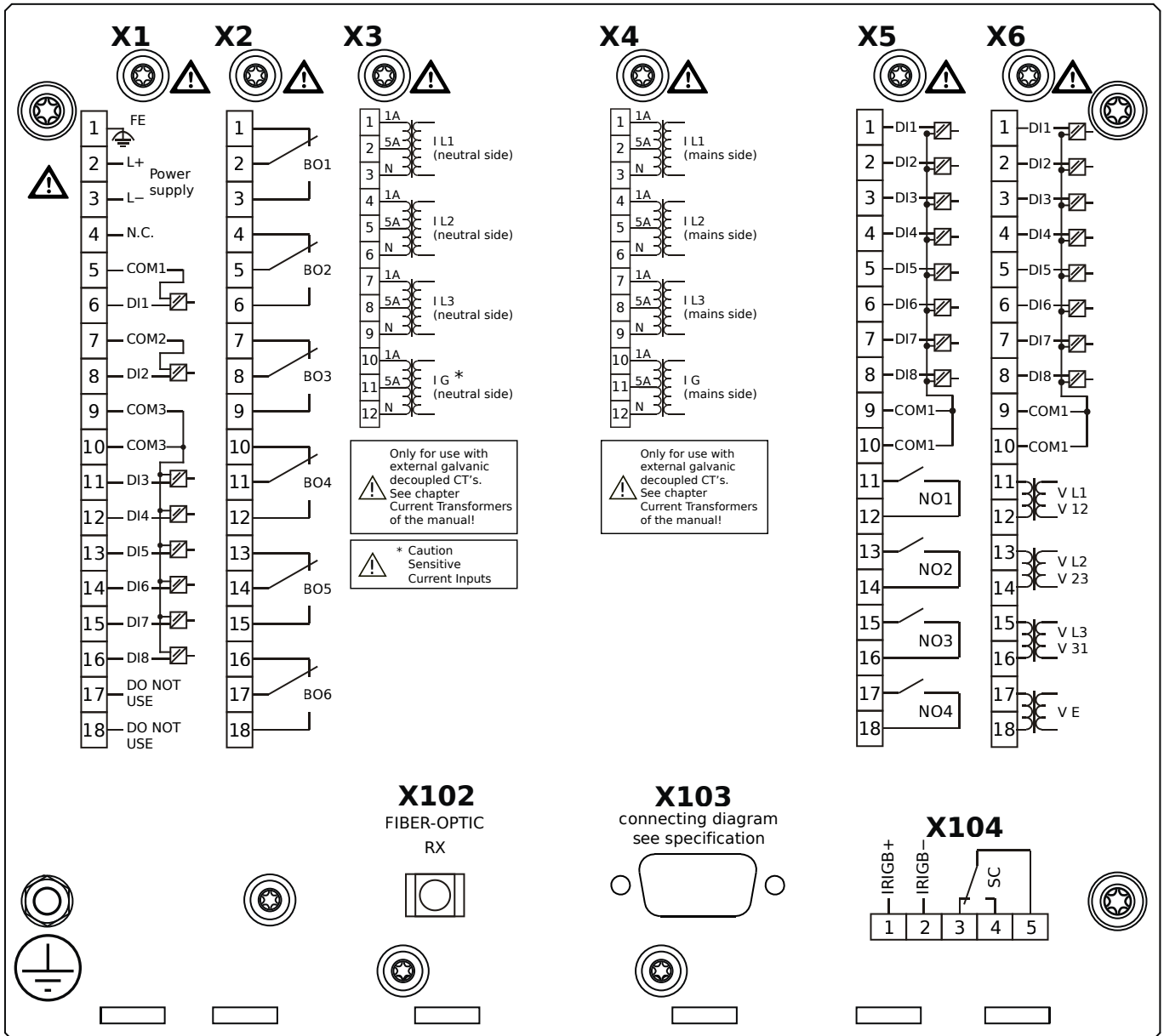
MCDGV4-2C1AGA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1AGB

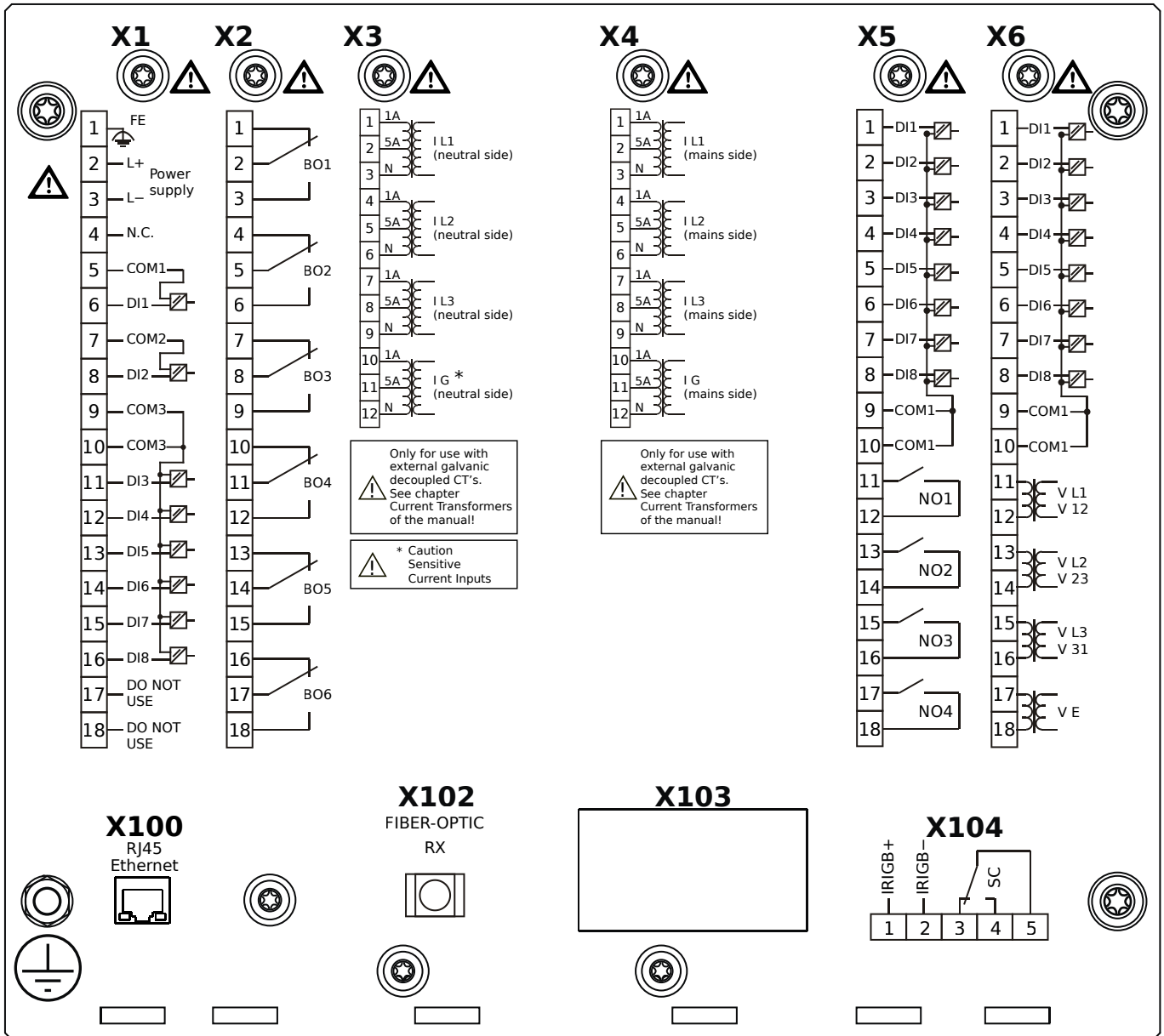


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
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- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

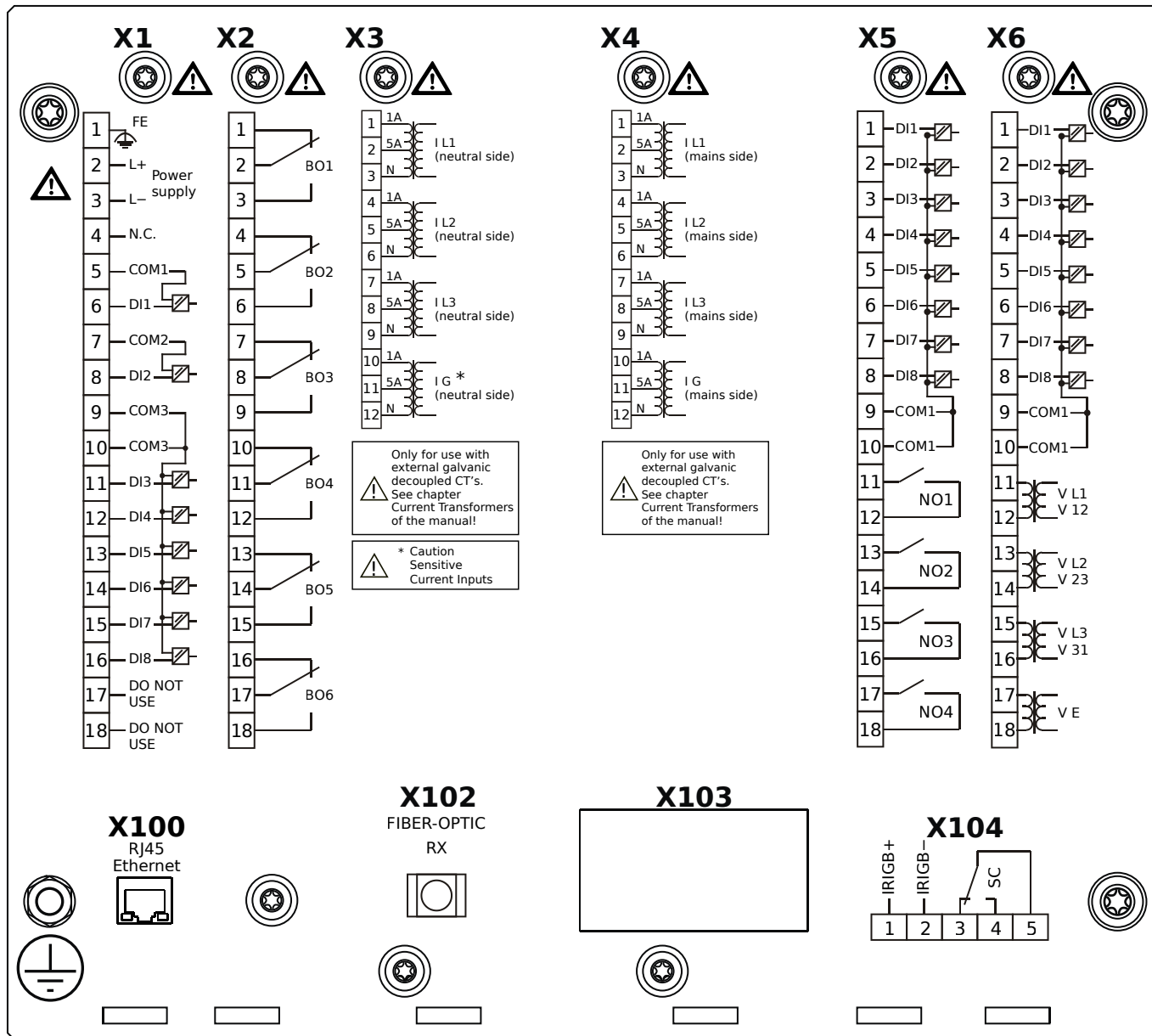
MCDGV4-2C1AHA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1AHB



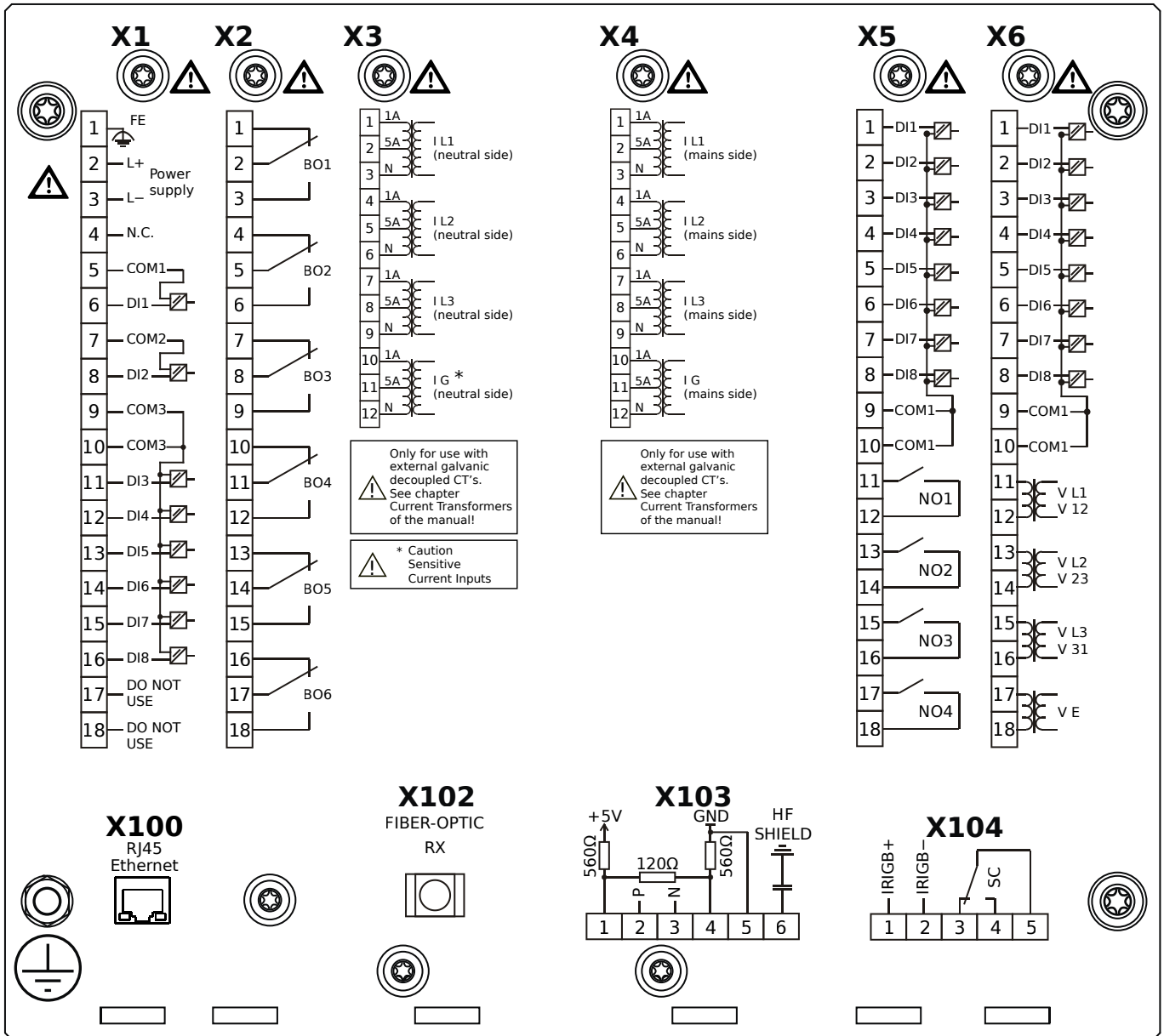
Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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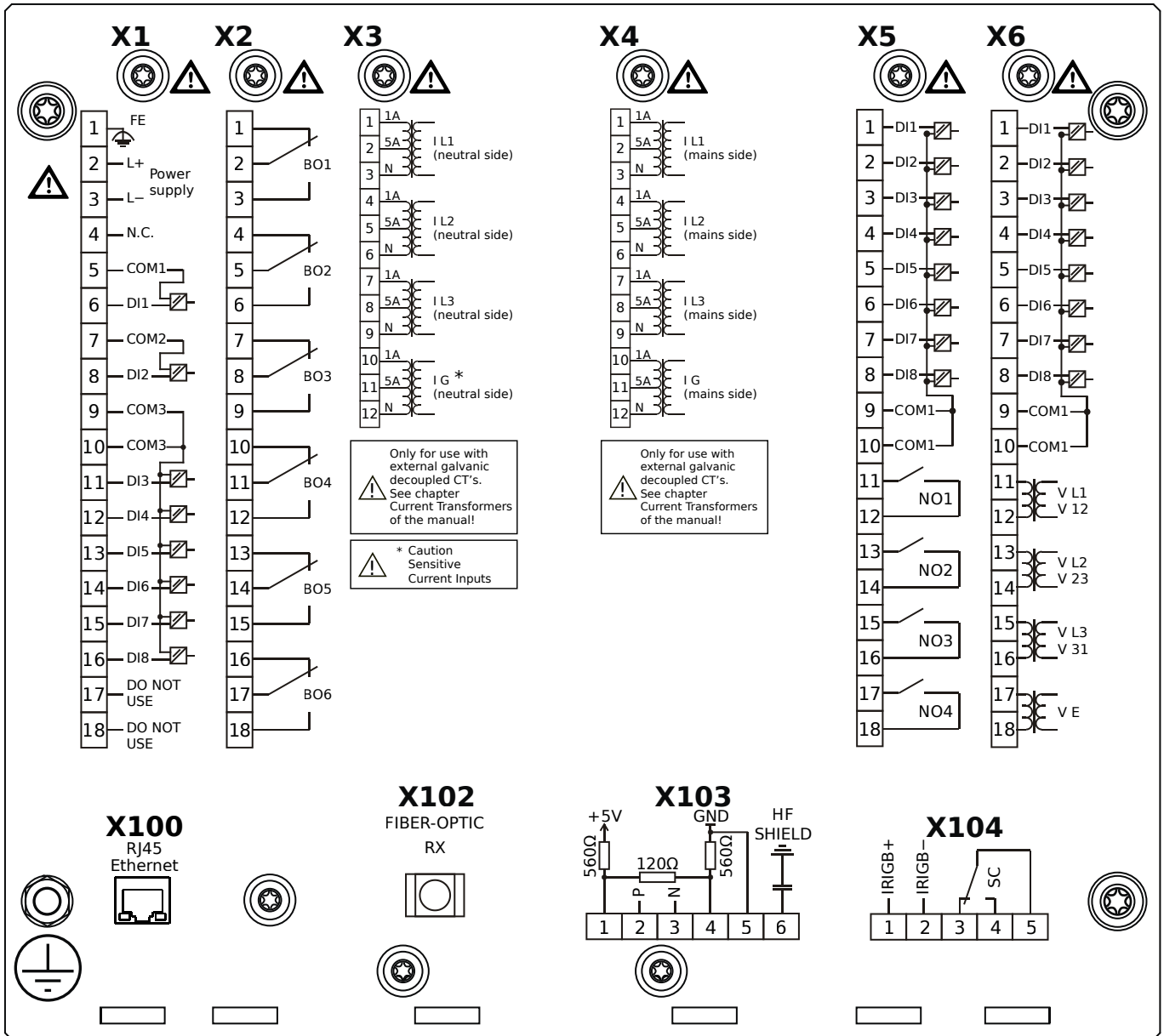
MCDGV4-2C1AIA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1AIB

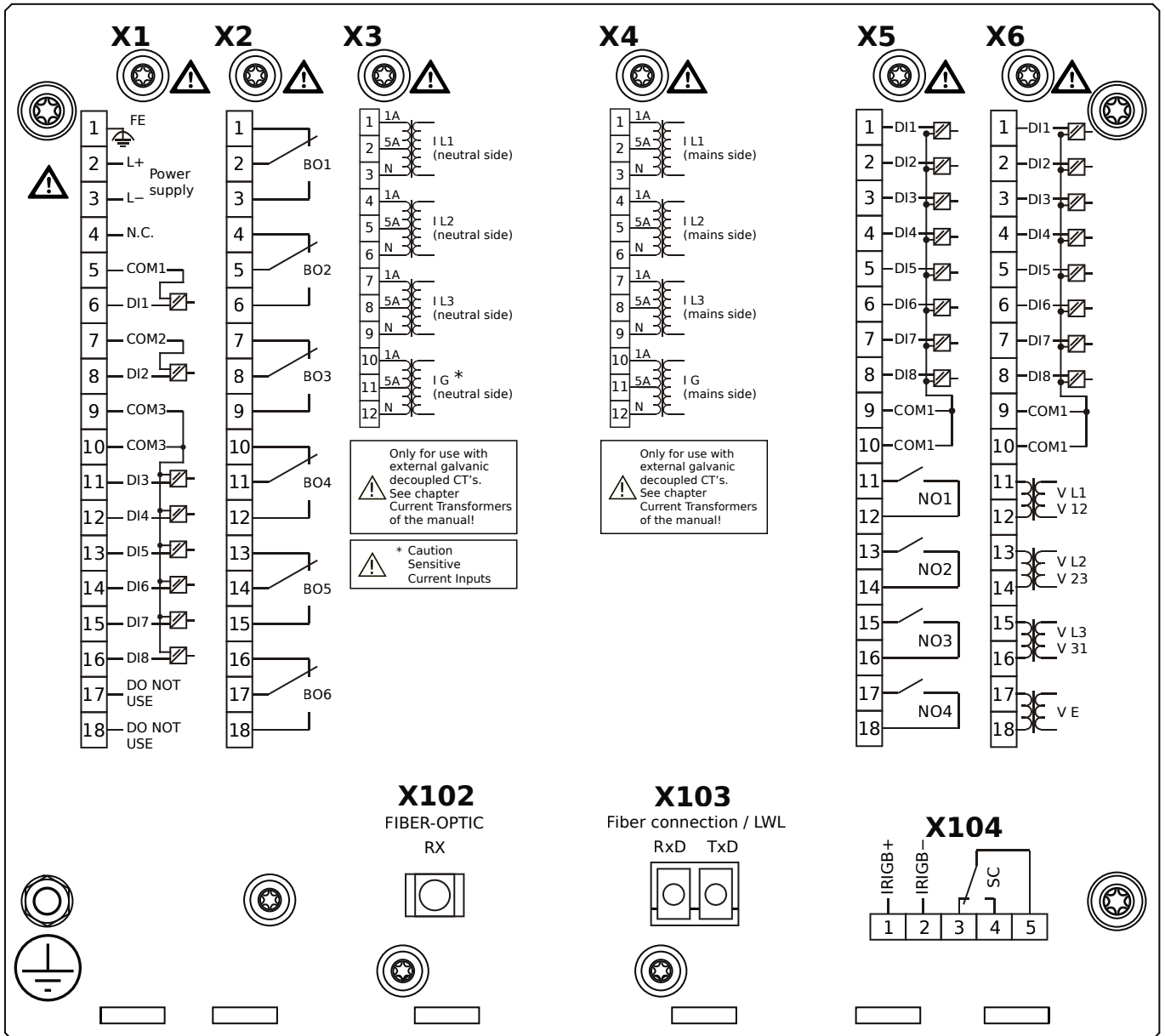


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

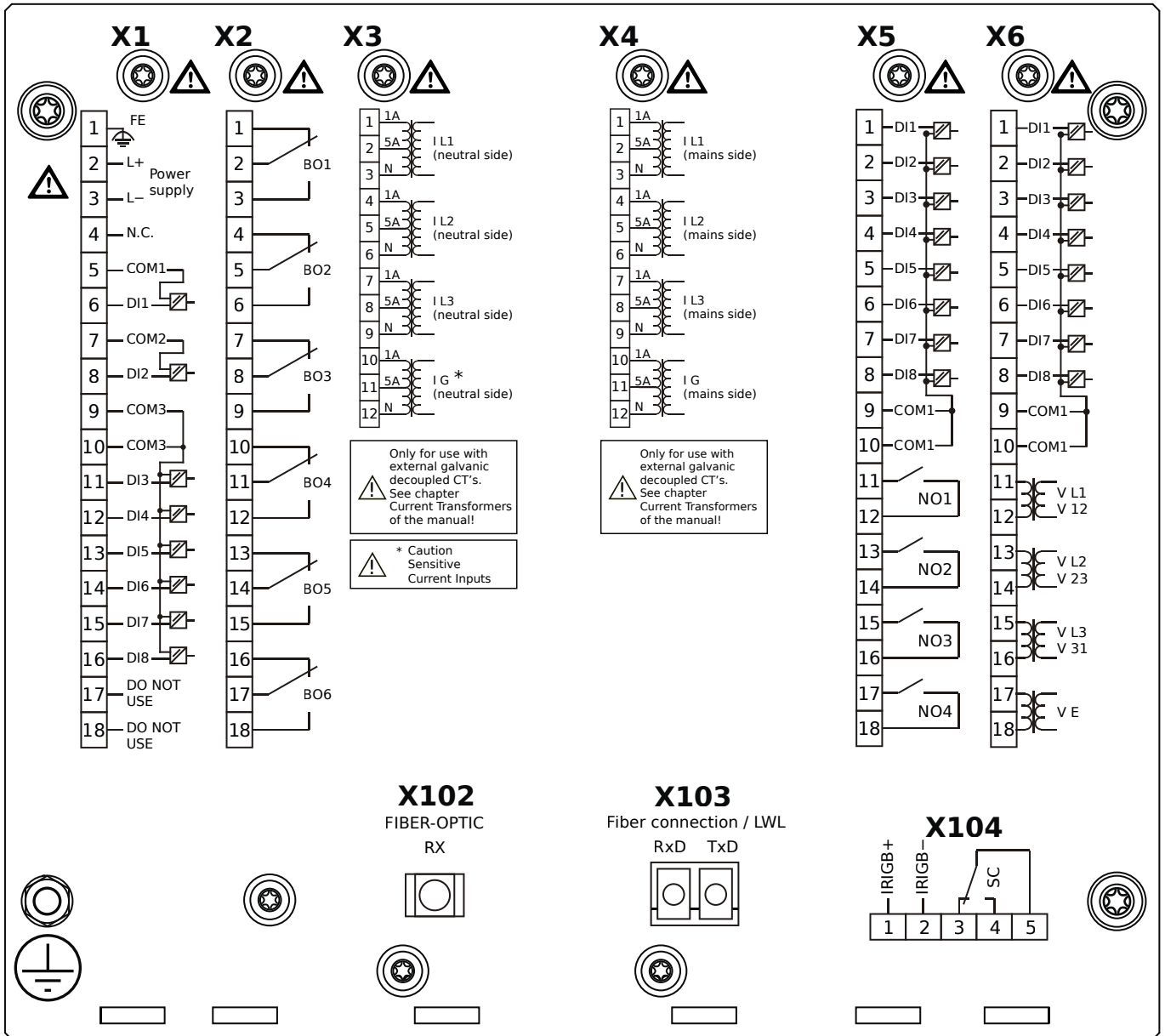
MCDGV4-2C1AKA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1AKB

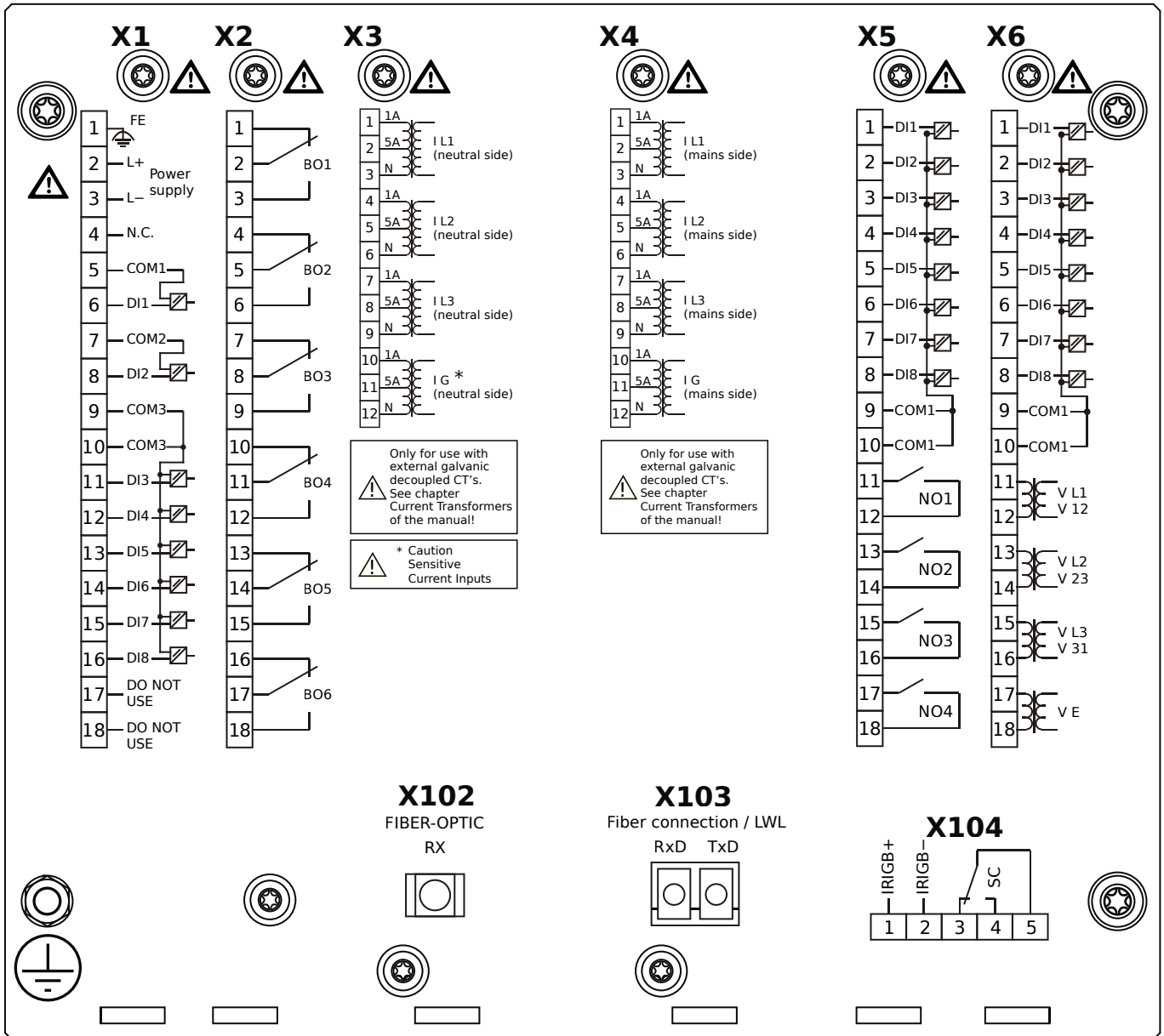


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

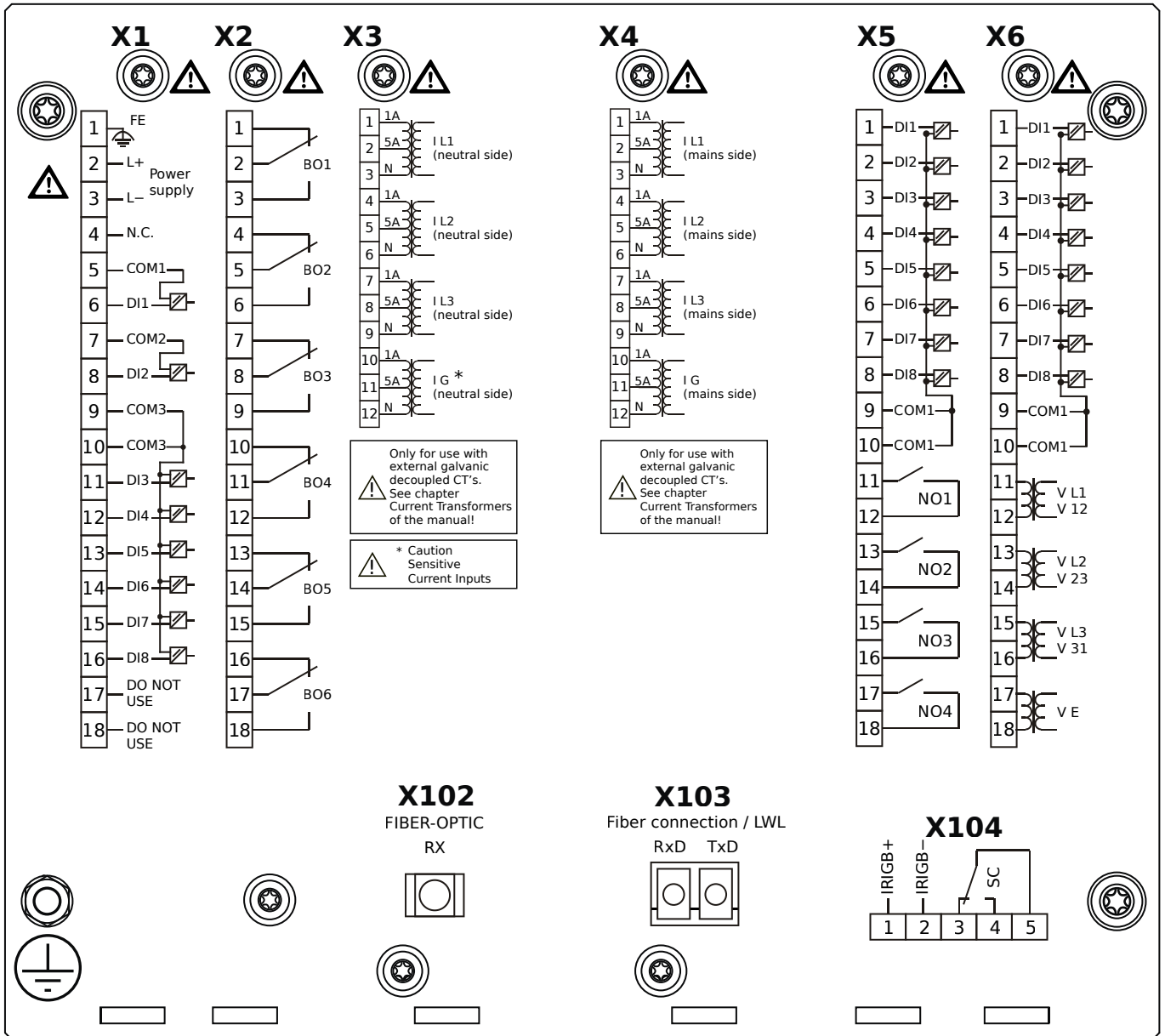
MCDGV4-2C1ALA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1ALB

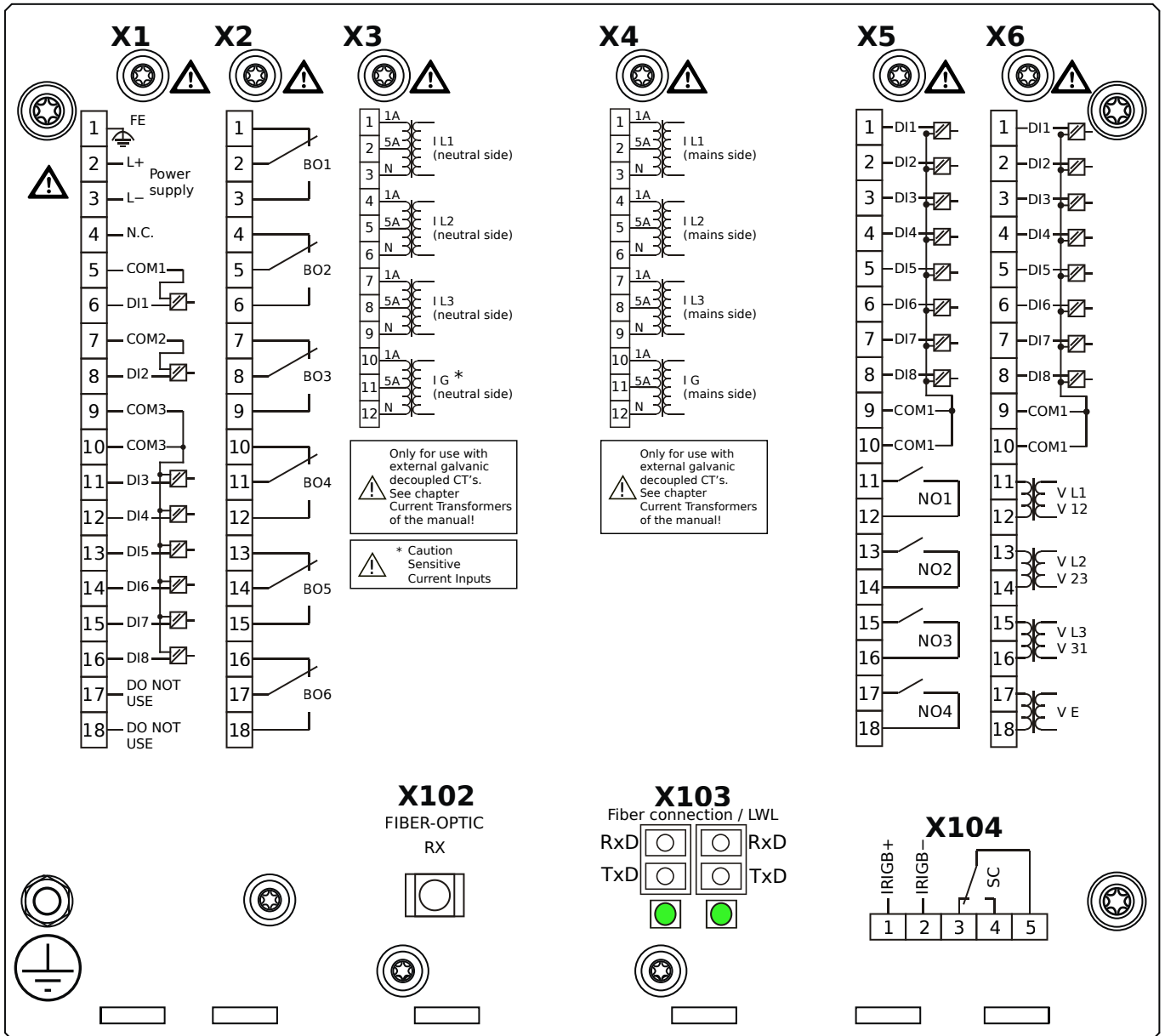


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

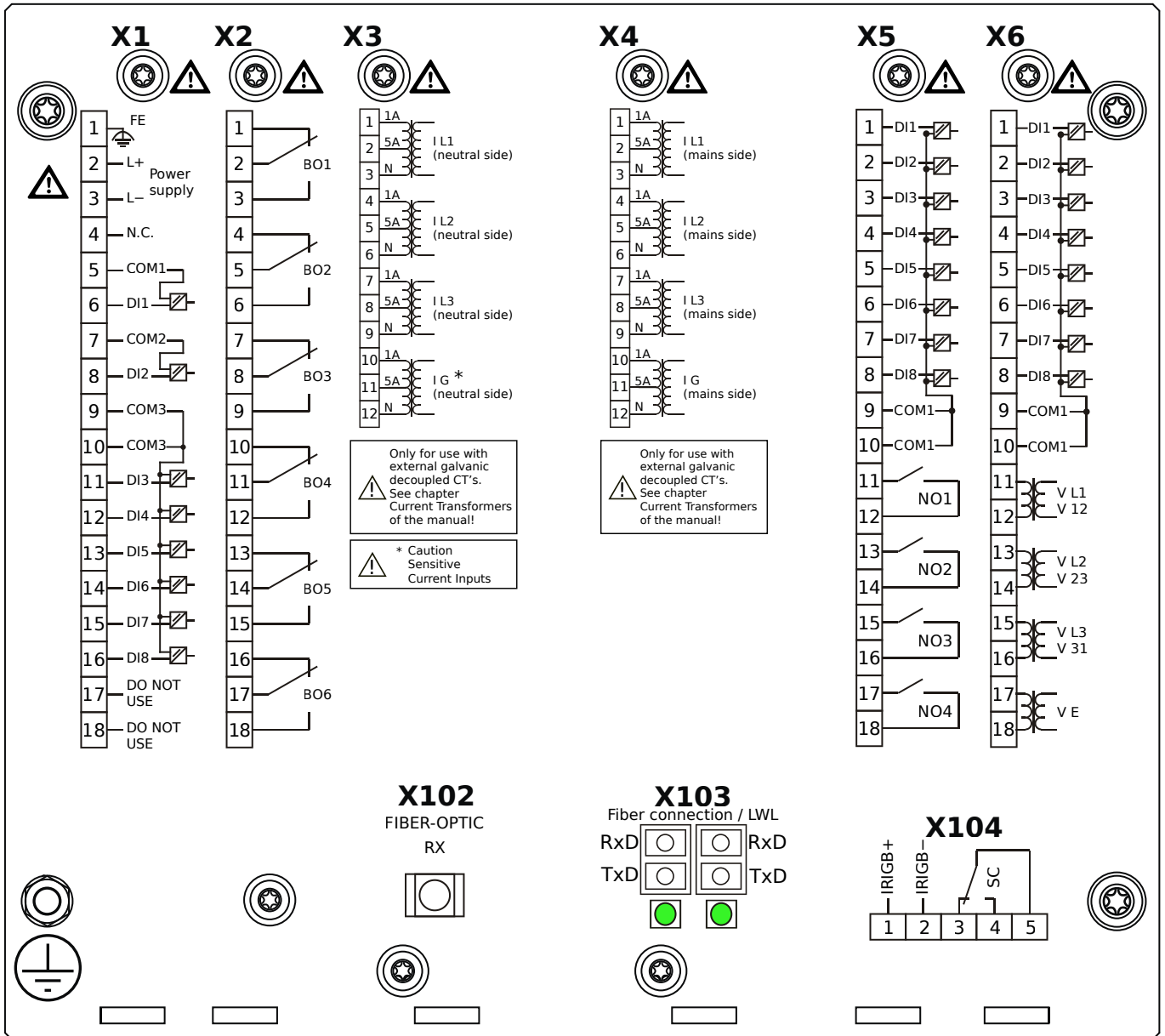
MCDGV4-2C1AOA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1A0B

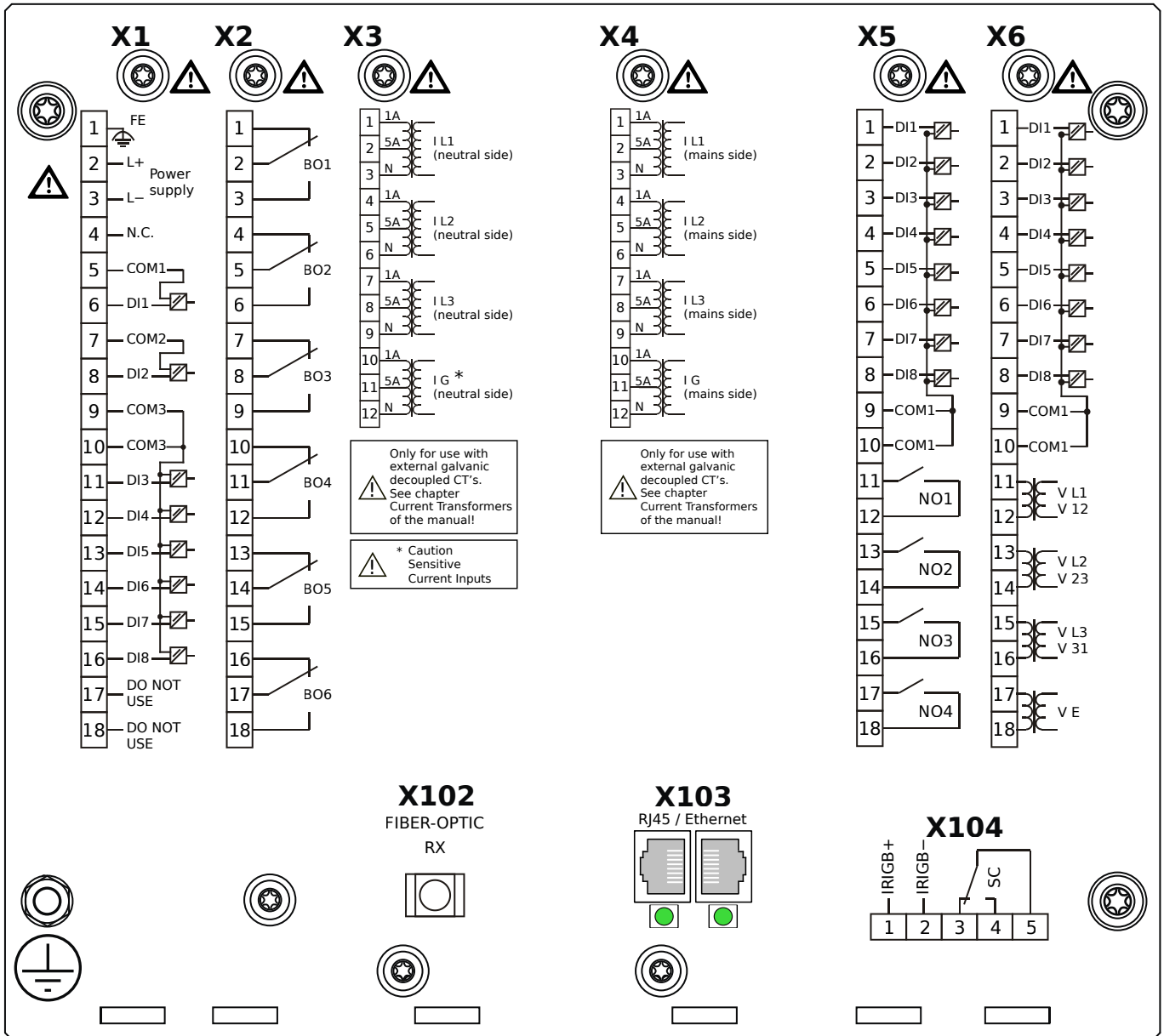


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

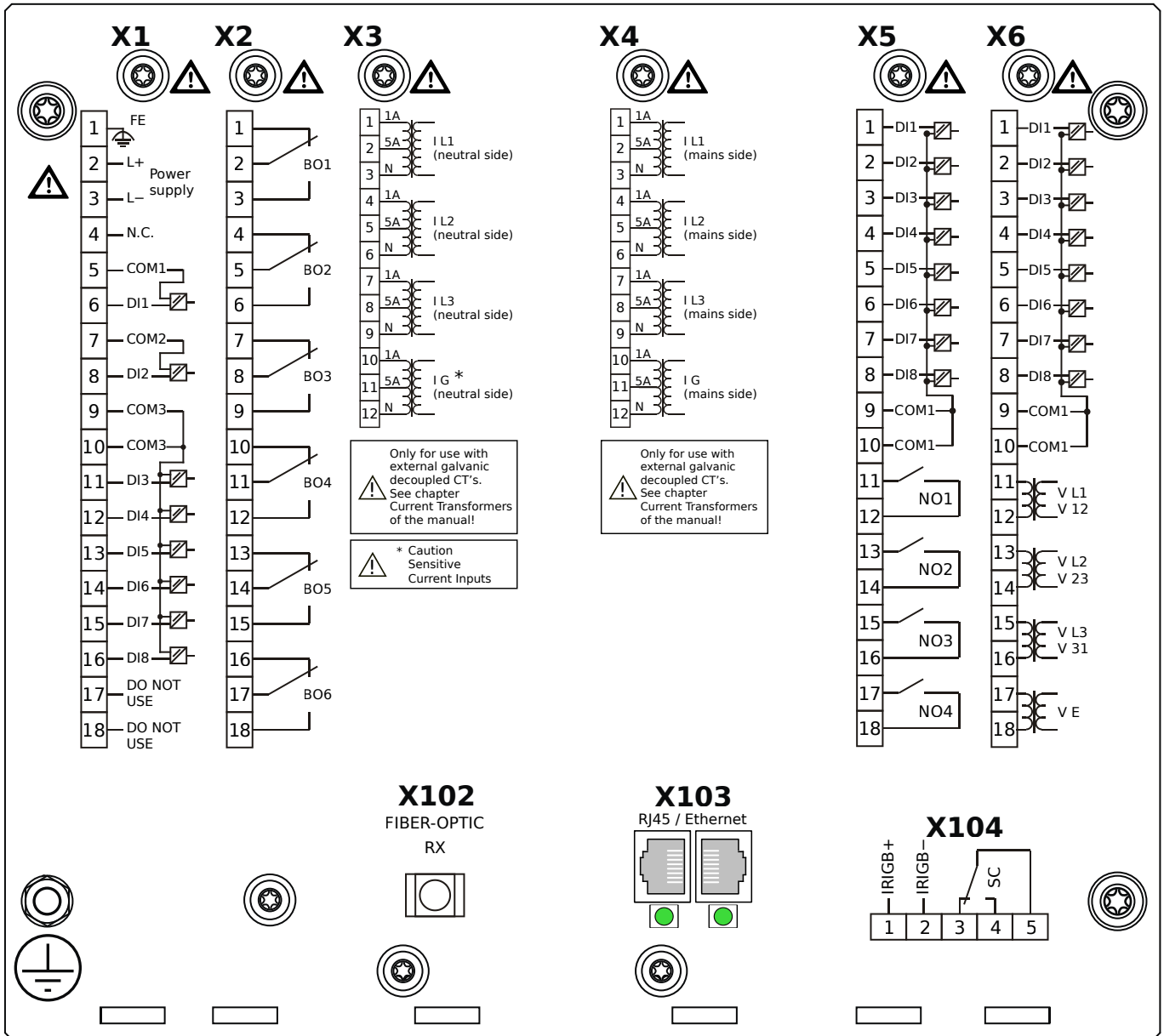
MCDGV4-2C1APA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1APB

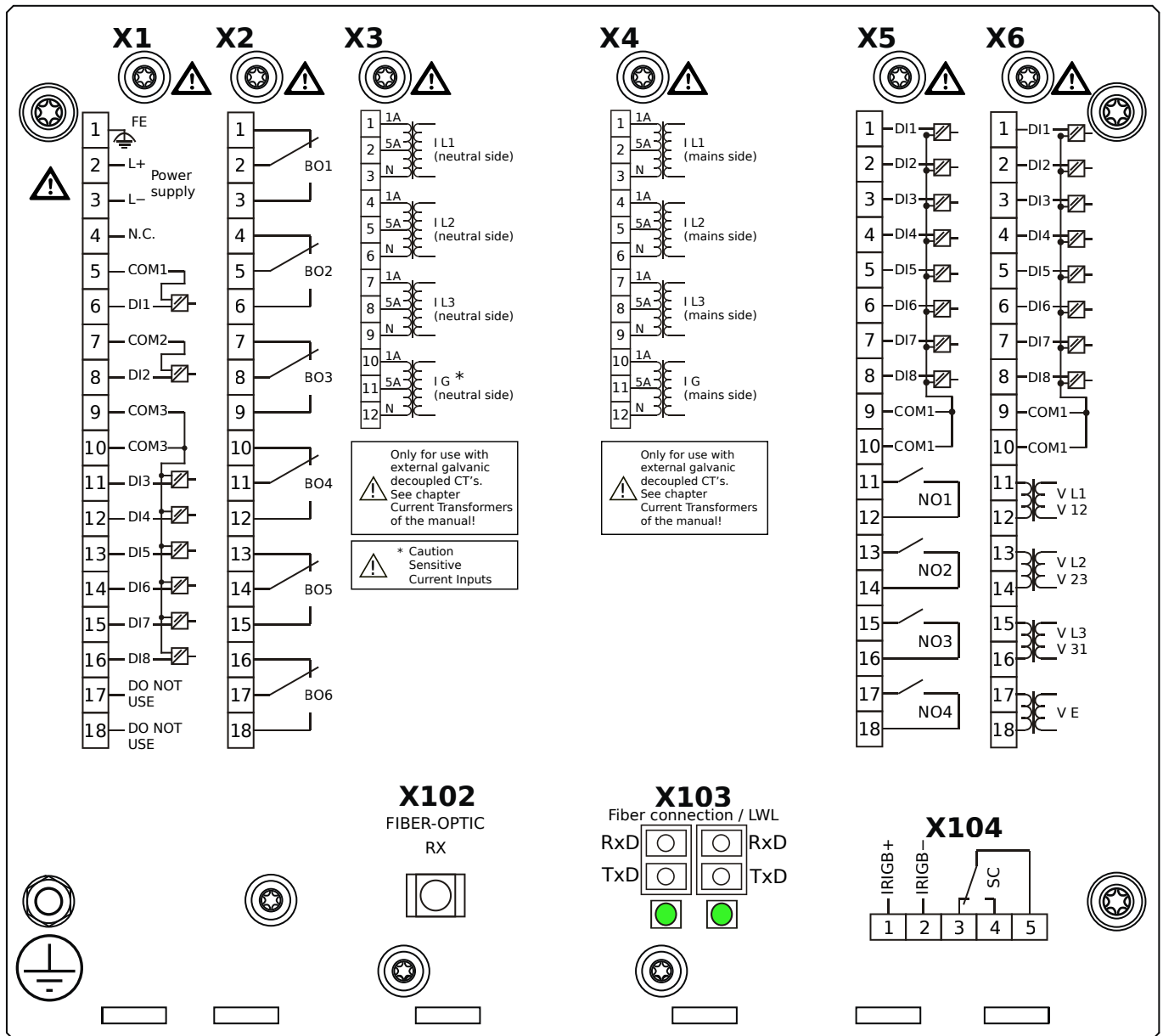


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

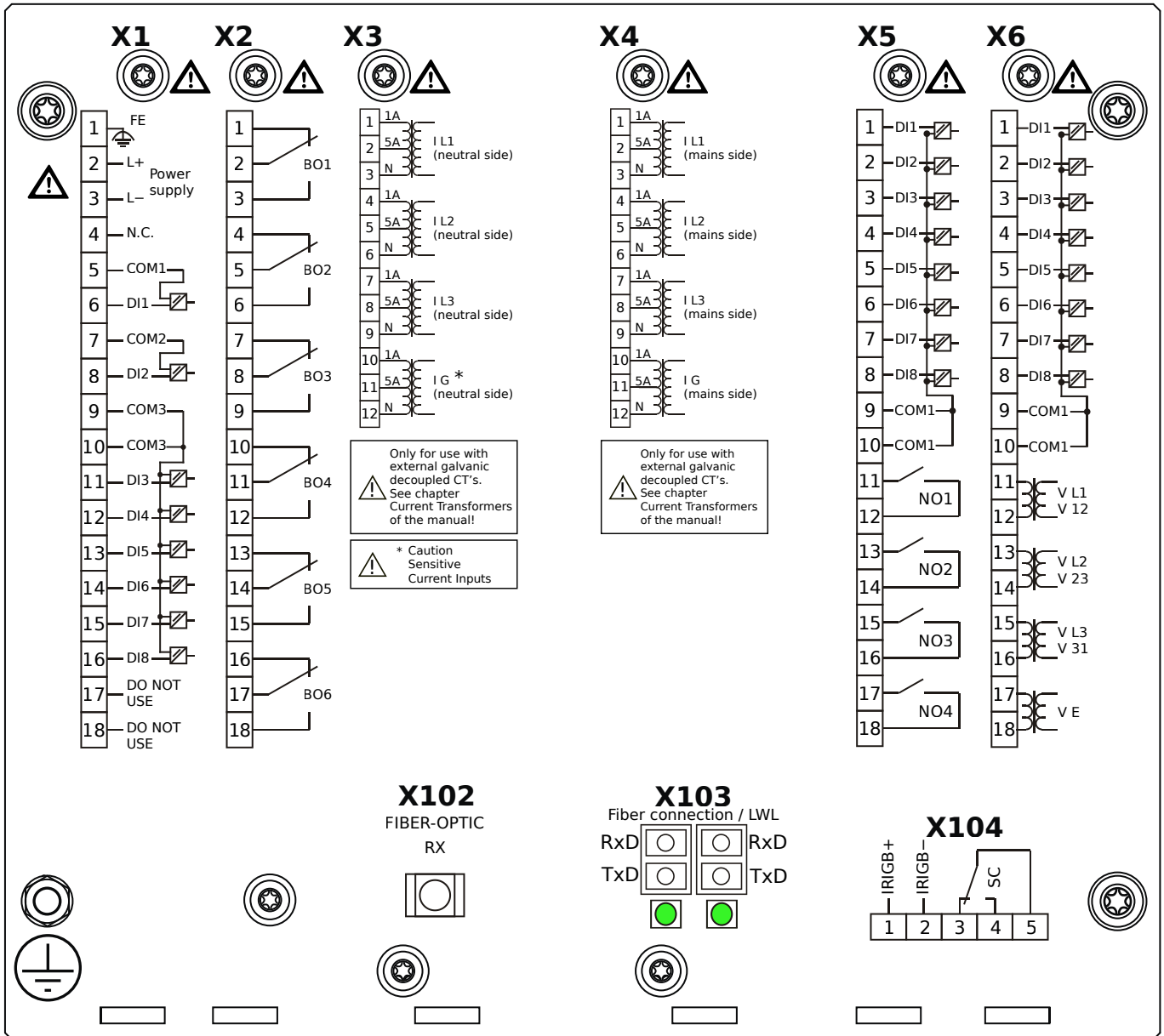
MCDGV4-2C1AQA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1AQB

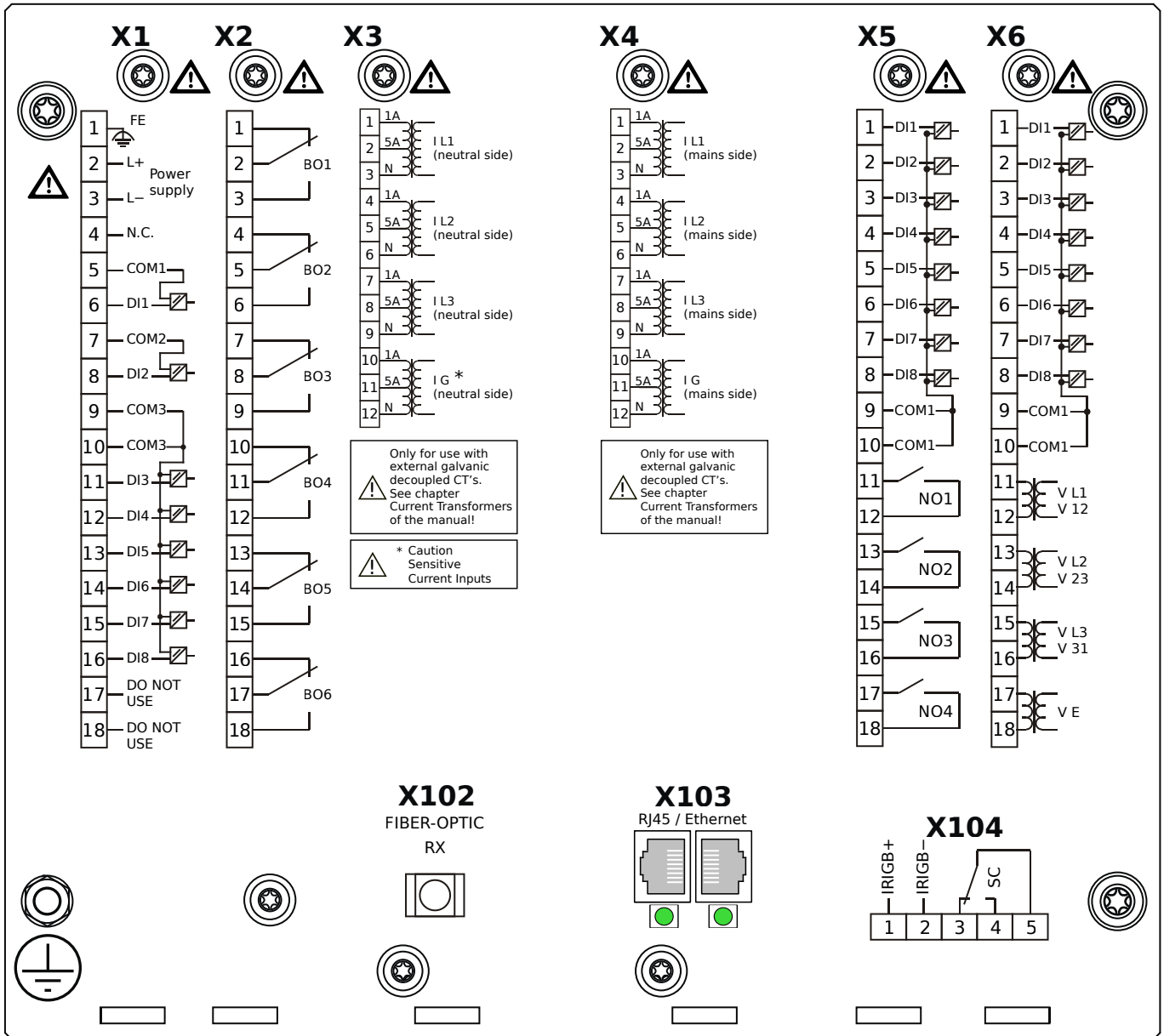


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

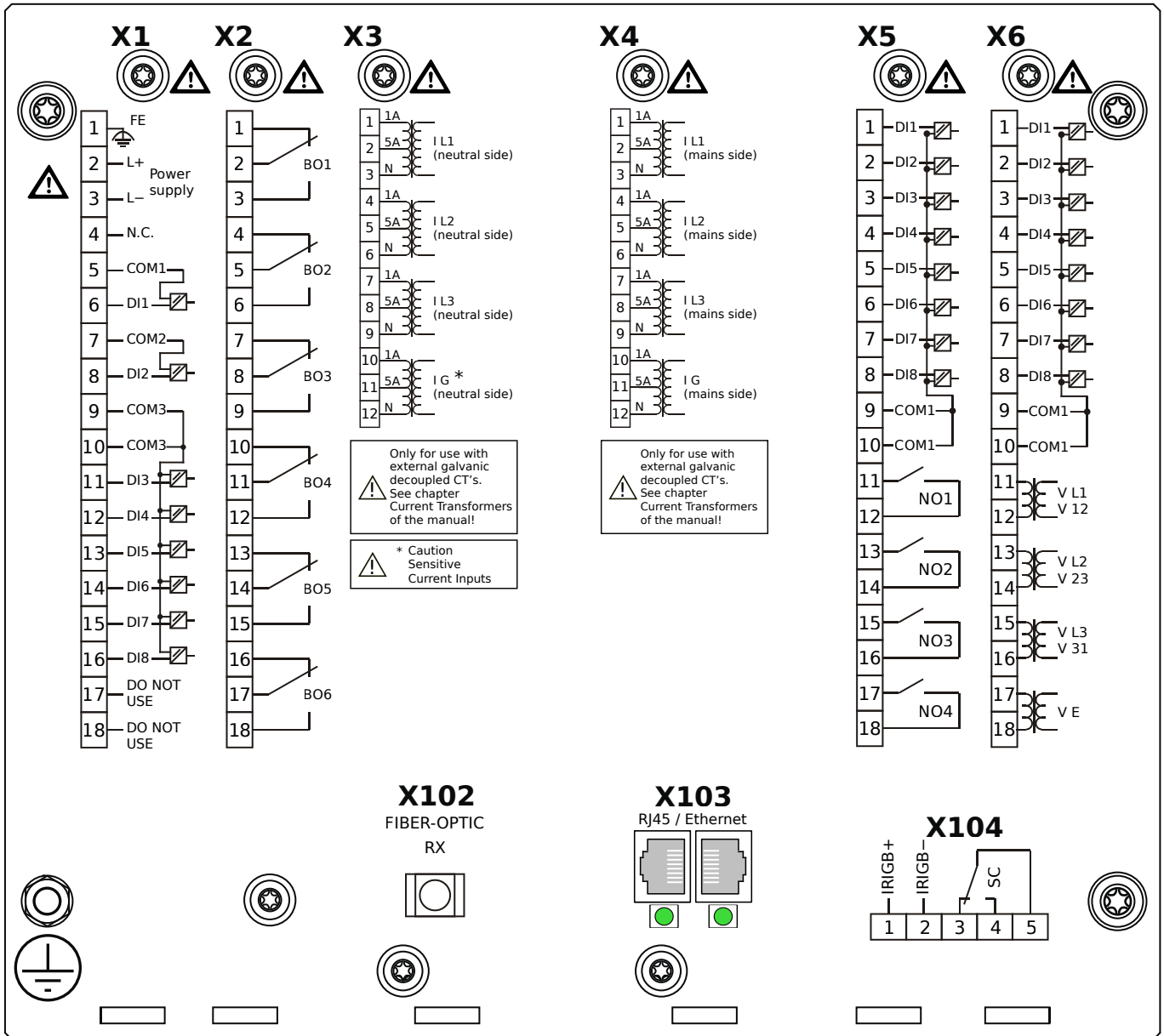
MCDGV4-2C1ARA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45
- (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1ARB



Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)

X6 – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs

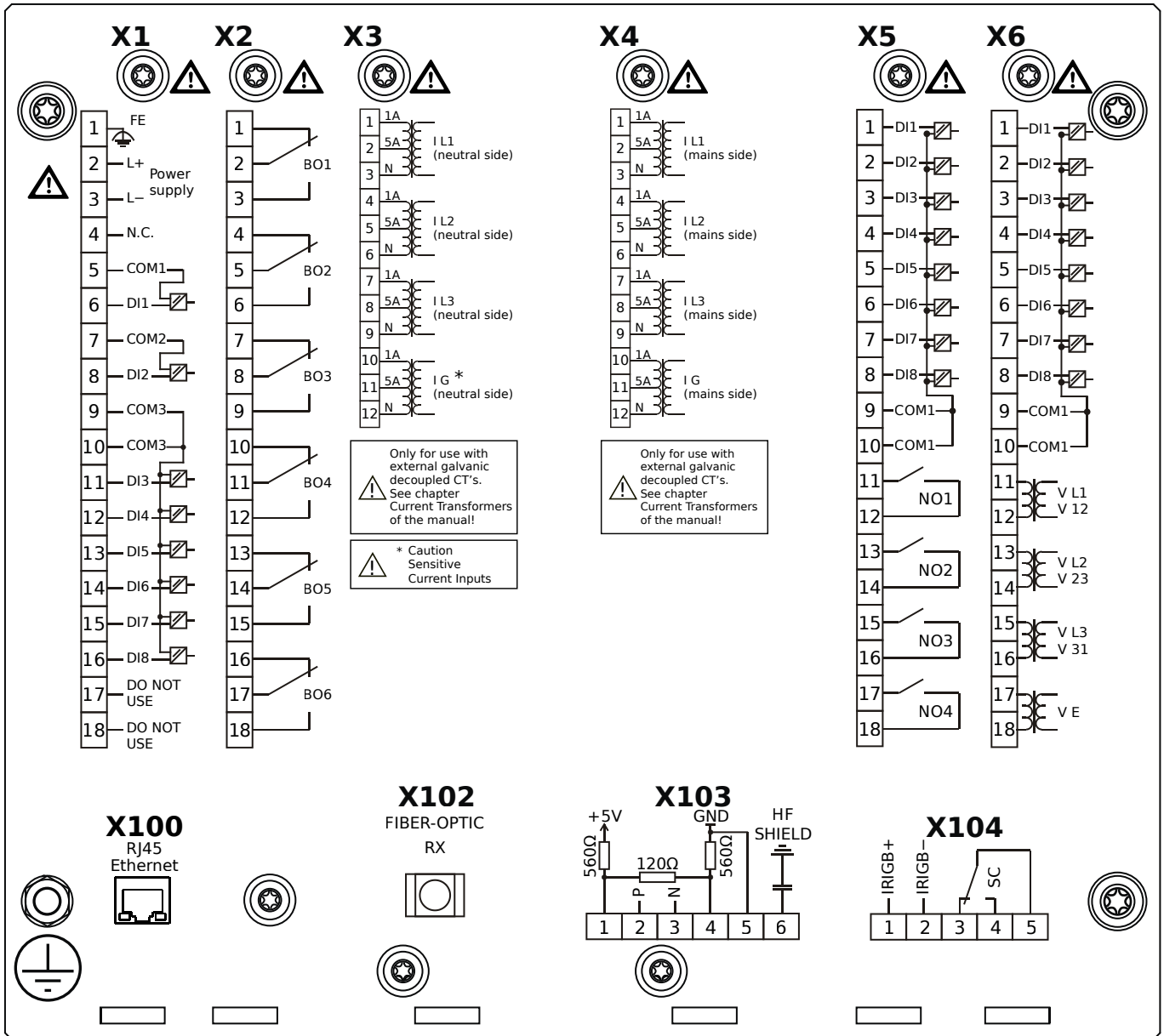
X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45

(BASE100-FX)

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

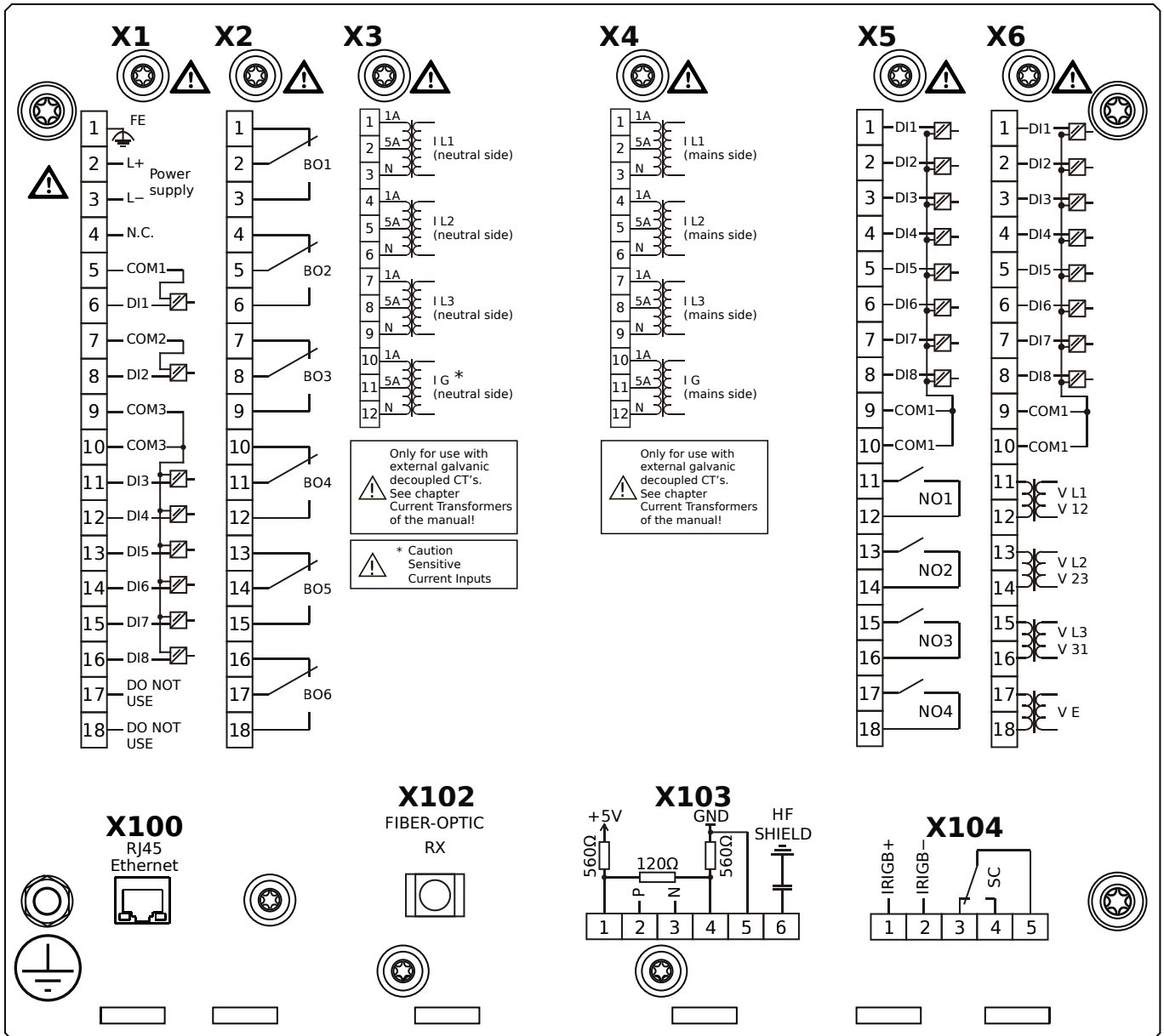
MCDGV4-2C1ATA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1ATB

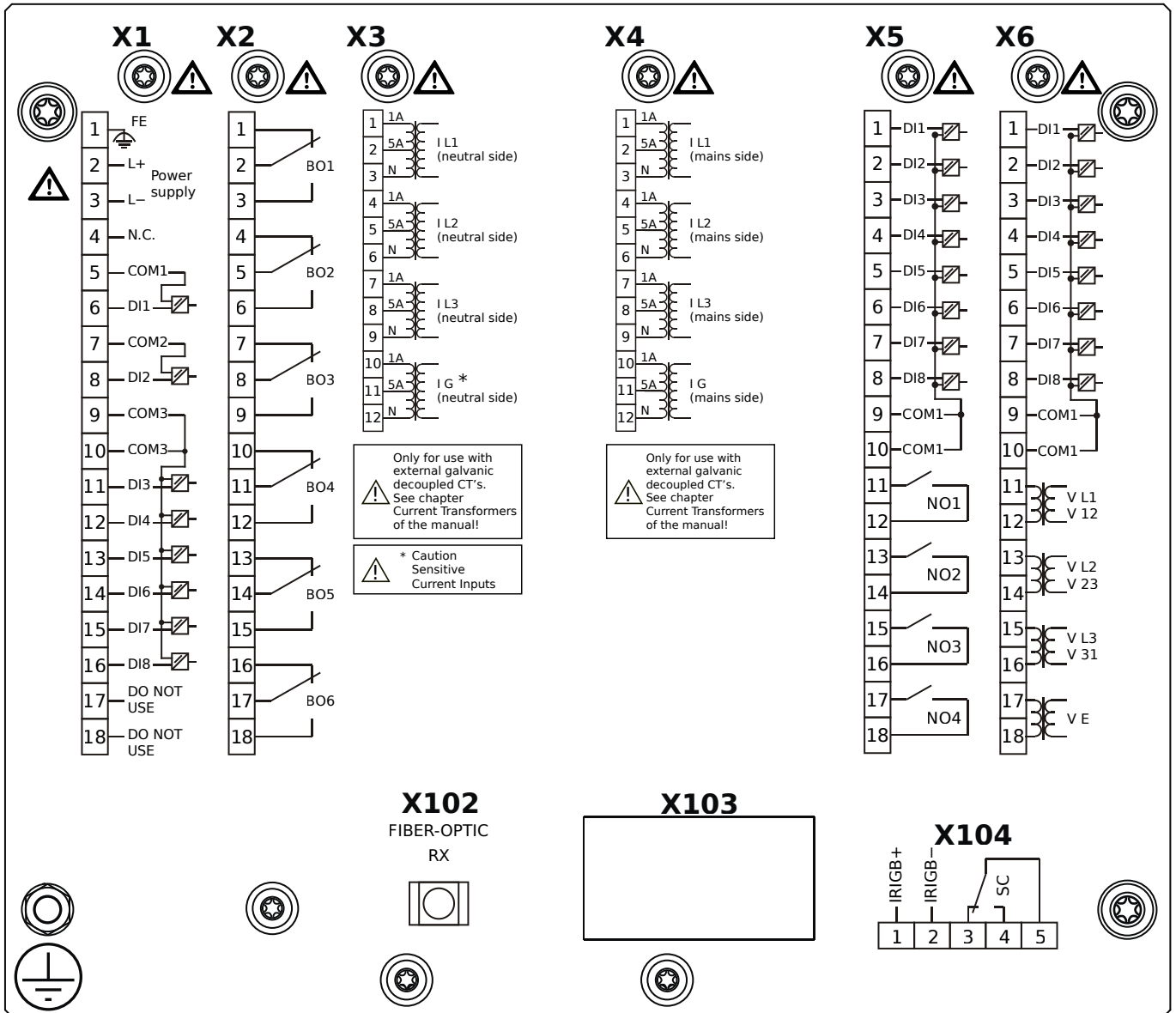


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-
FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

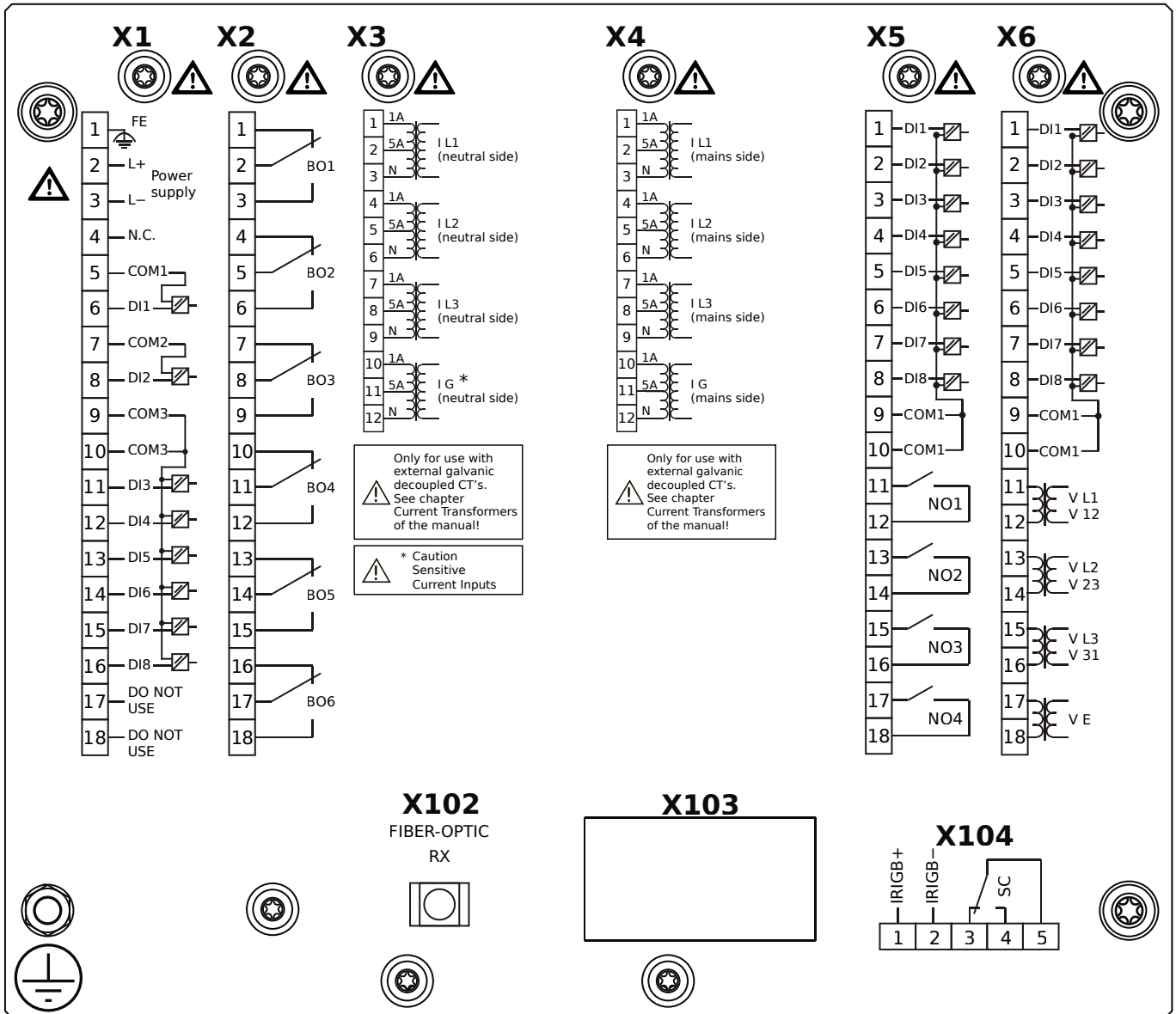
MCDGV4-2C1BAA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1BAB

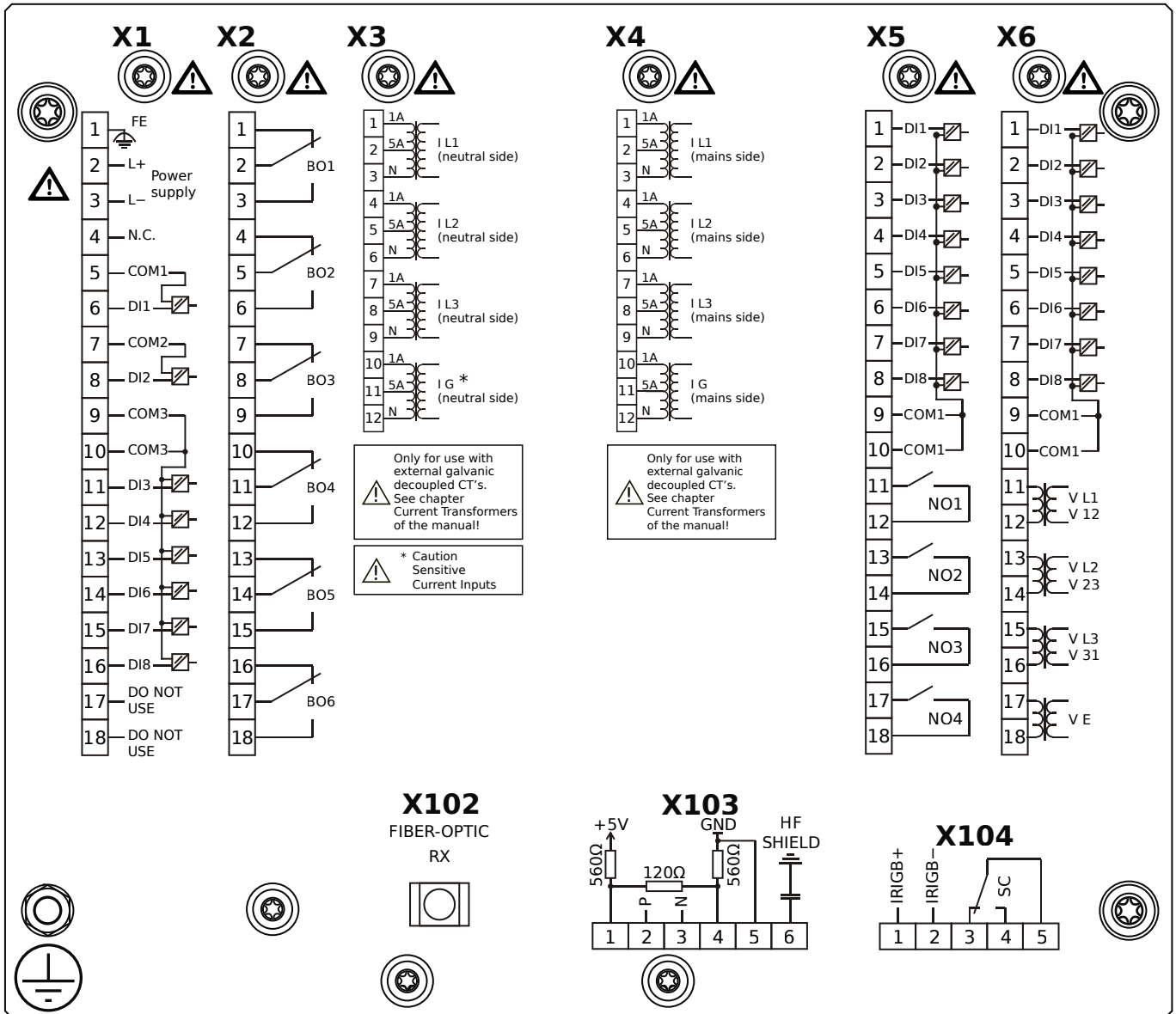


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
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- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

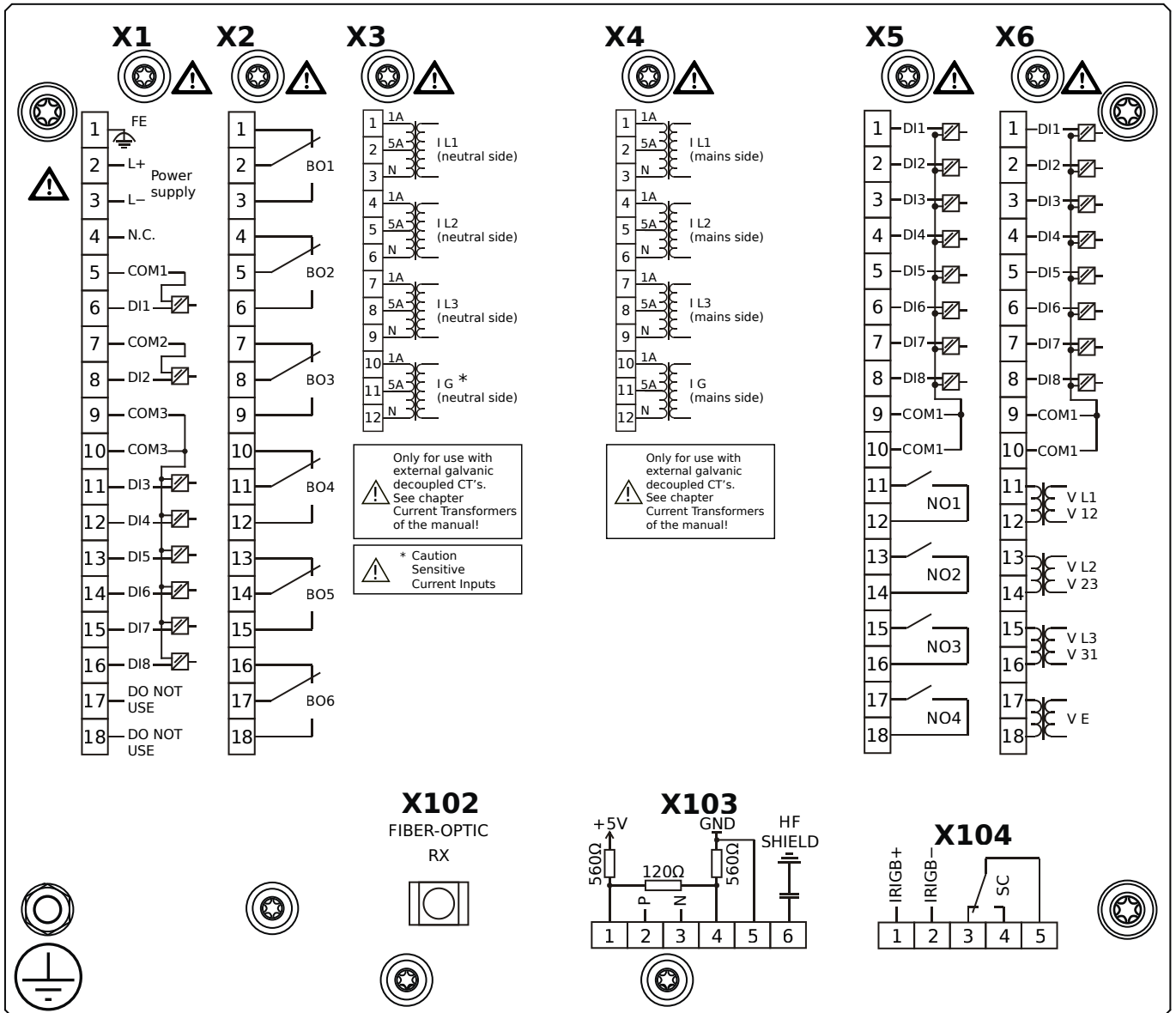
MCDGV4-2C1BBA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1BBB

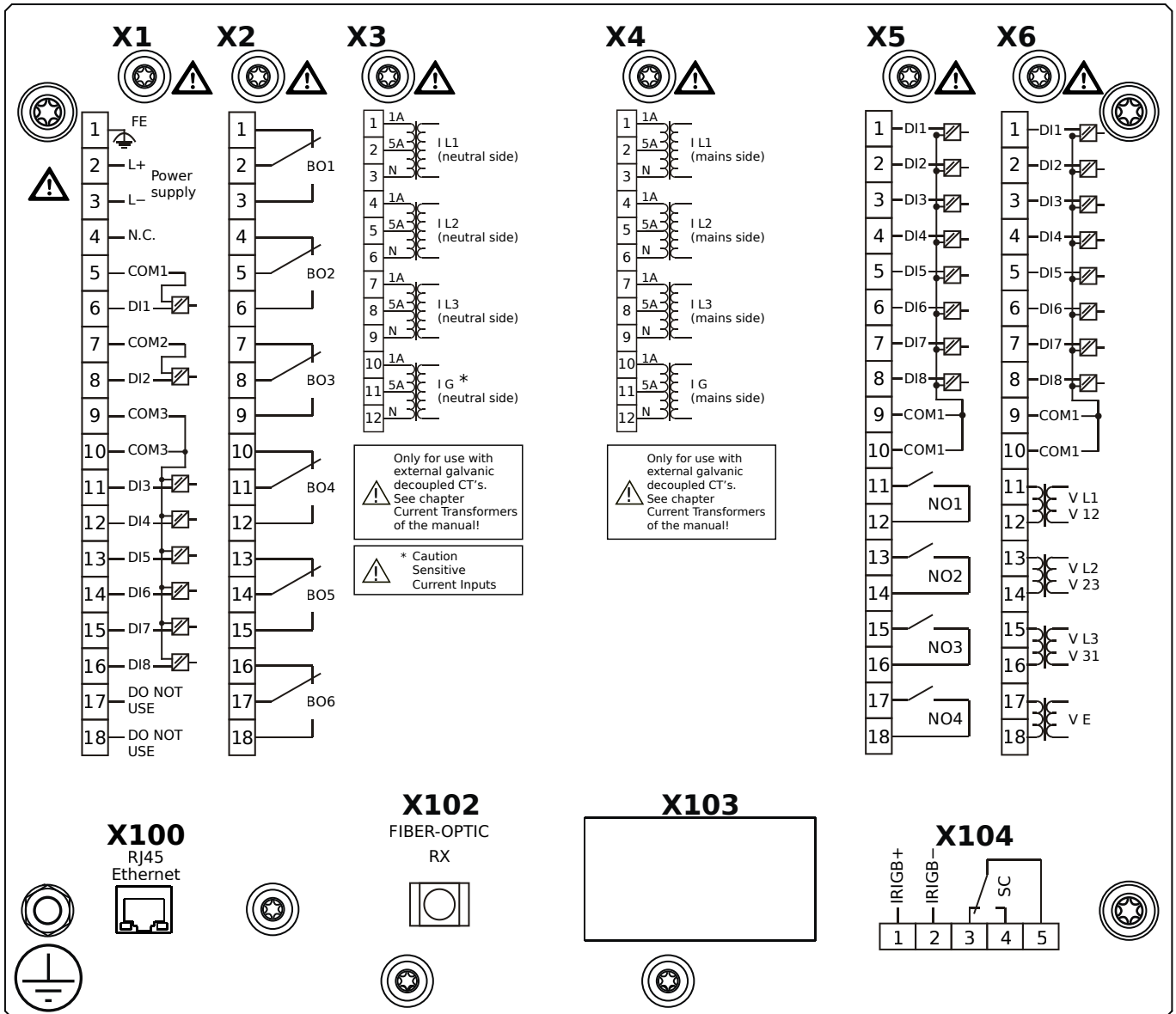


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

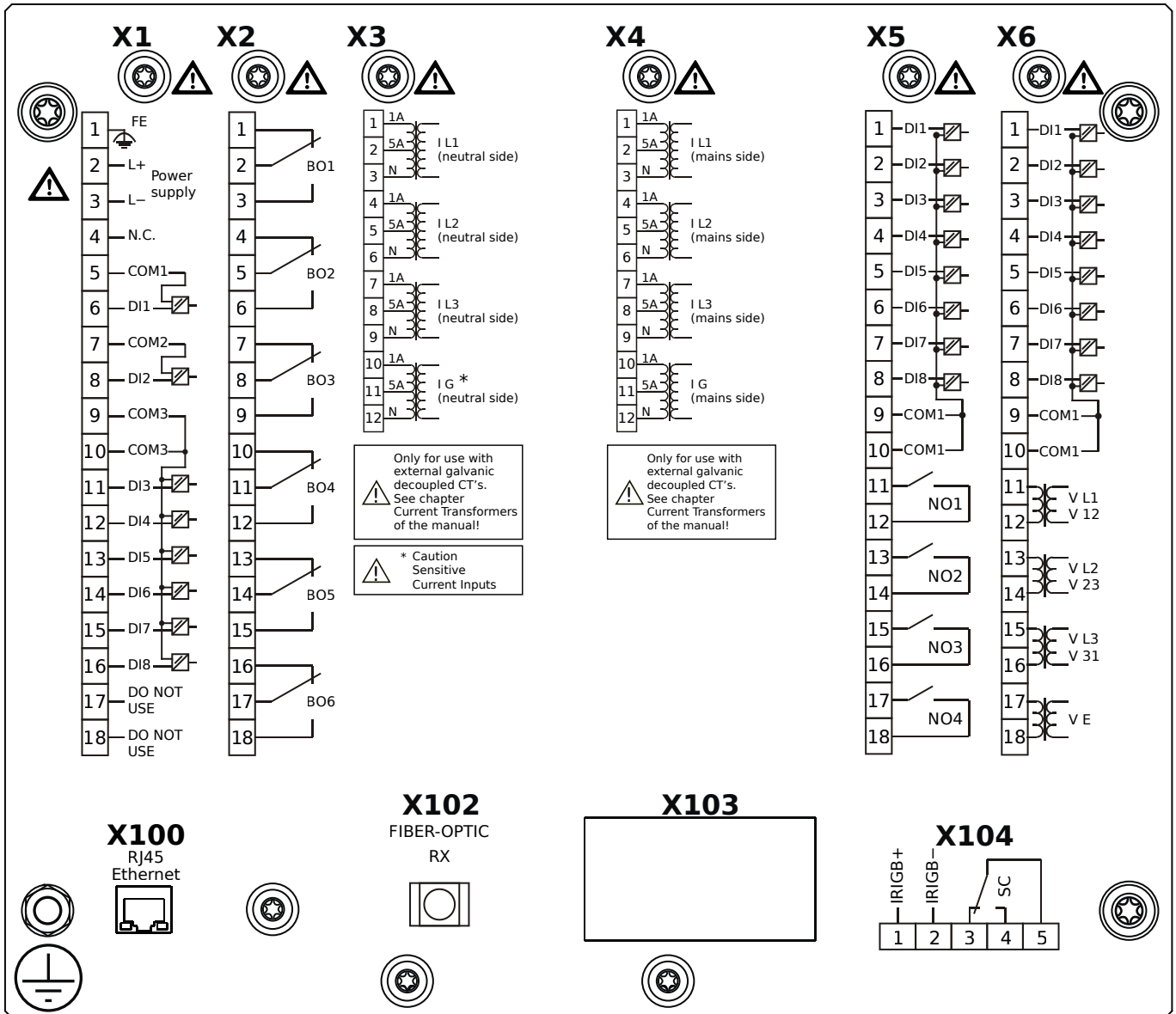
MCDGV4-2C1BCA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1BCB

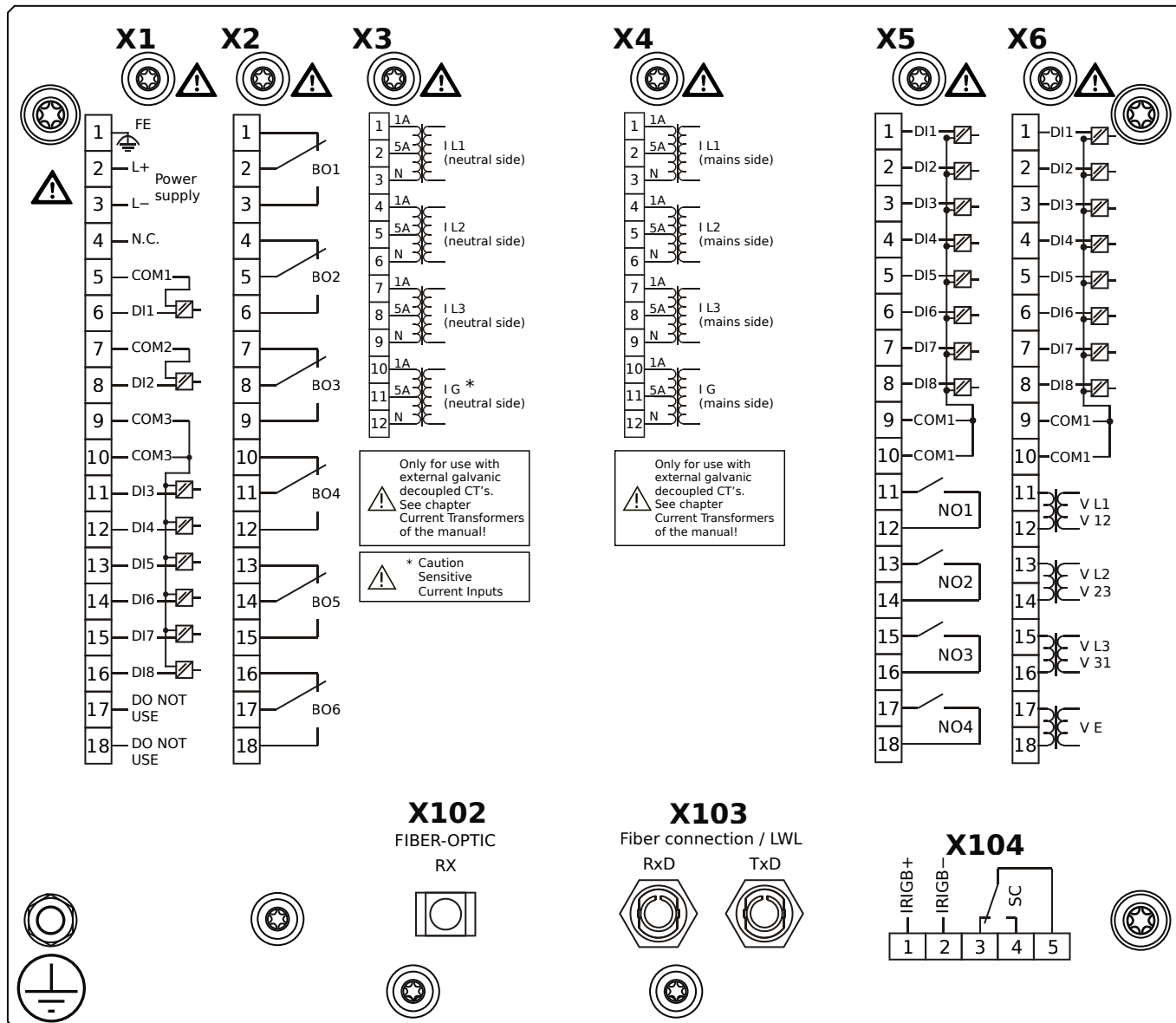


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

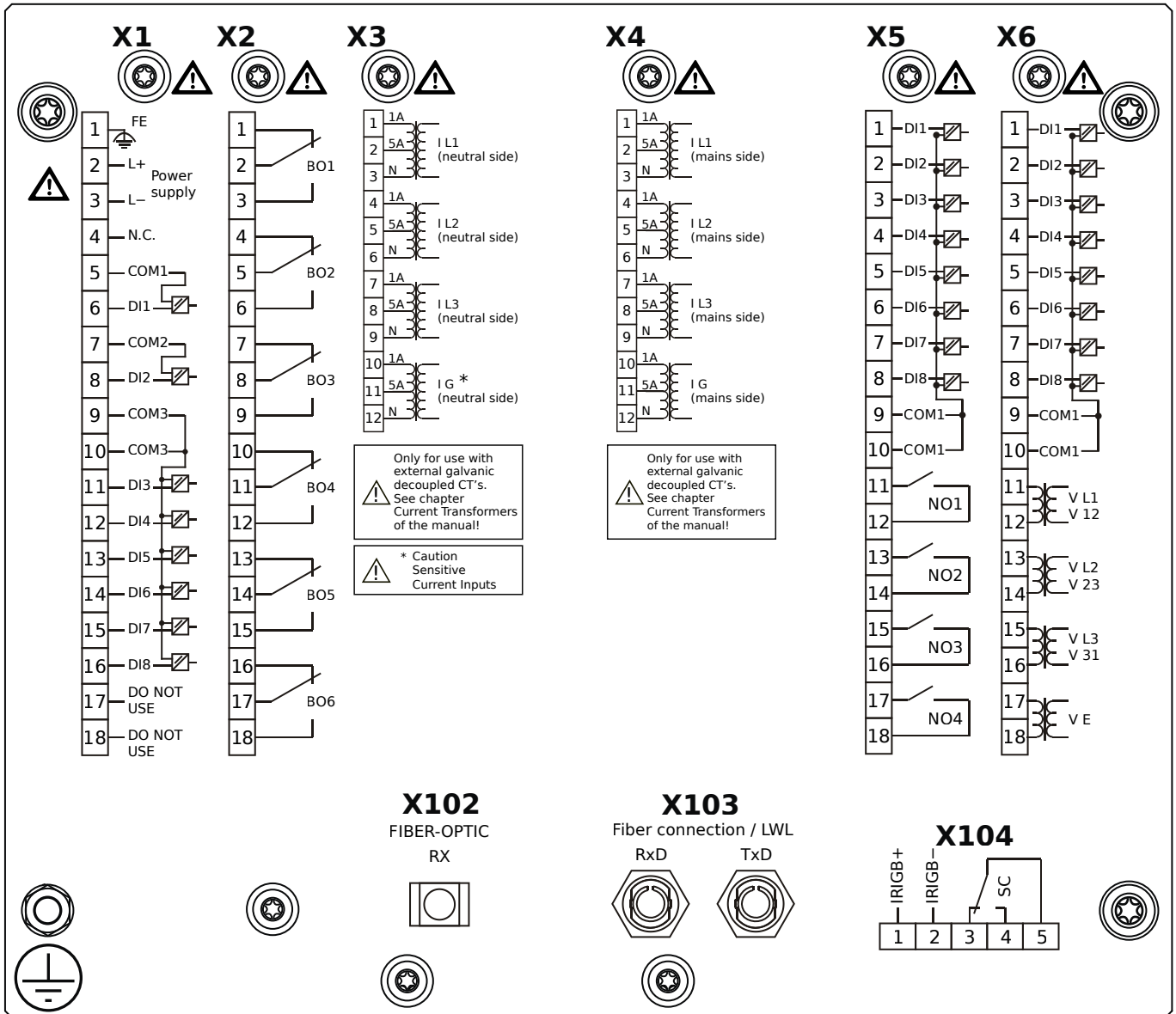
MCDGV4-2C1BDA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1BDB

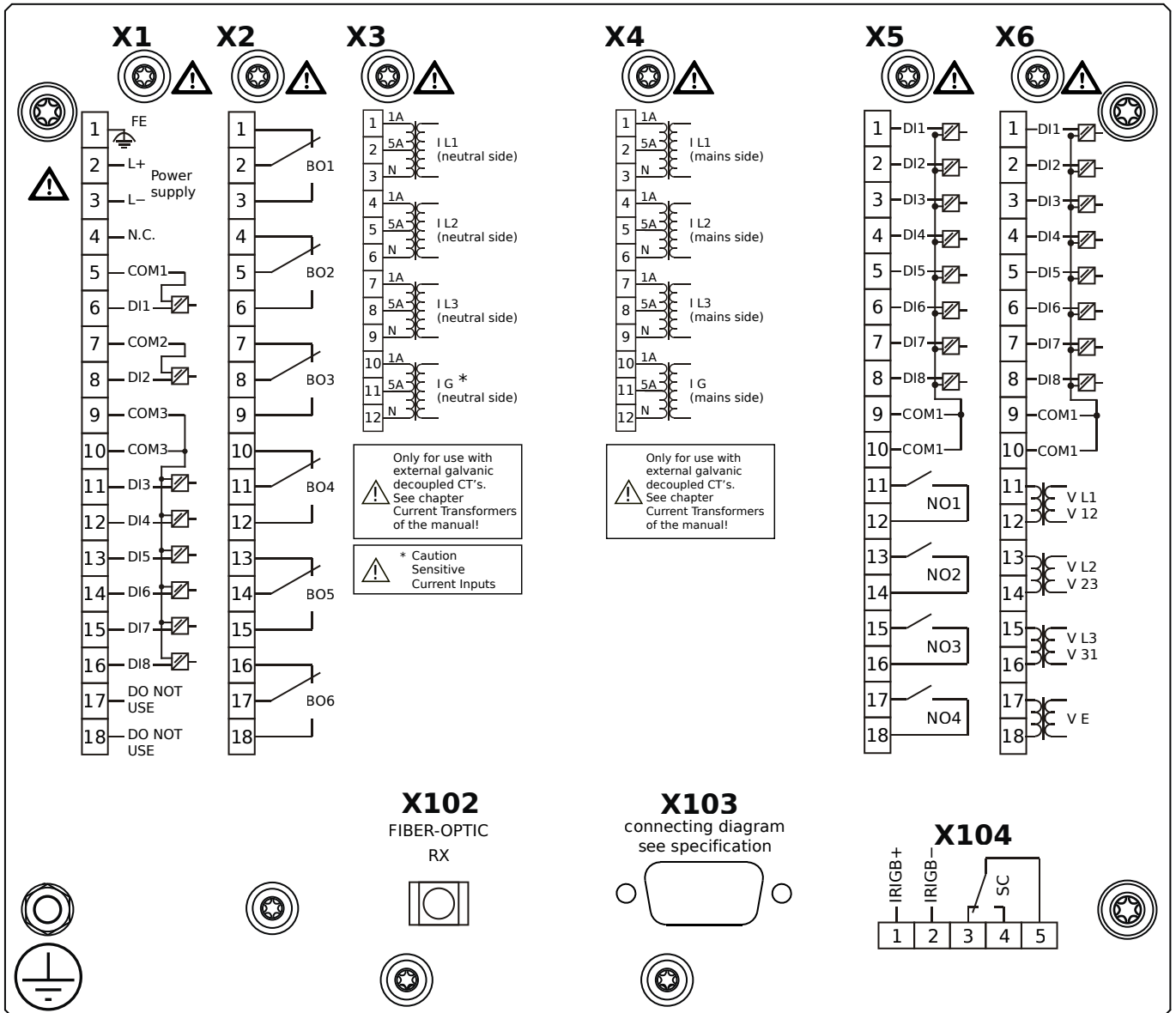


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

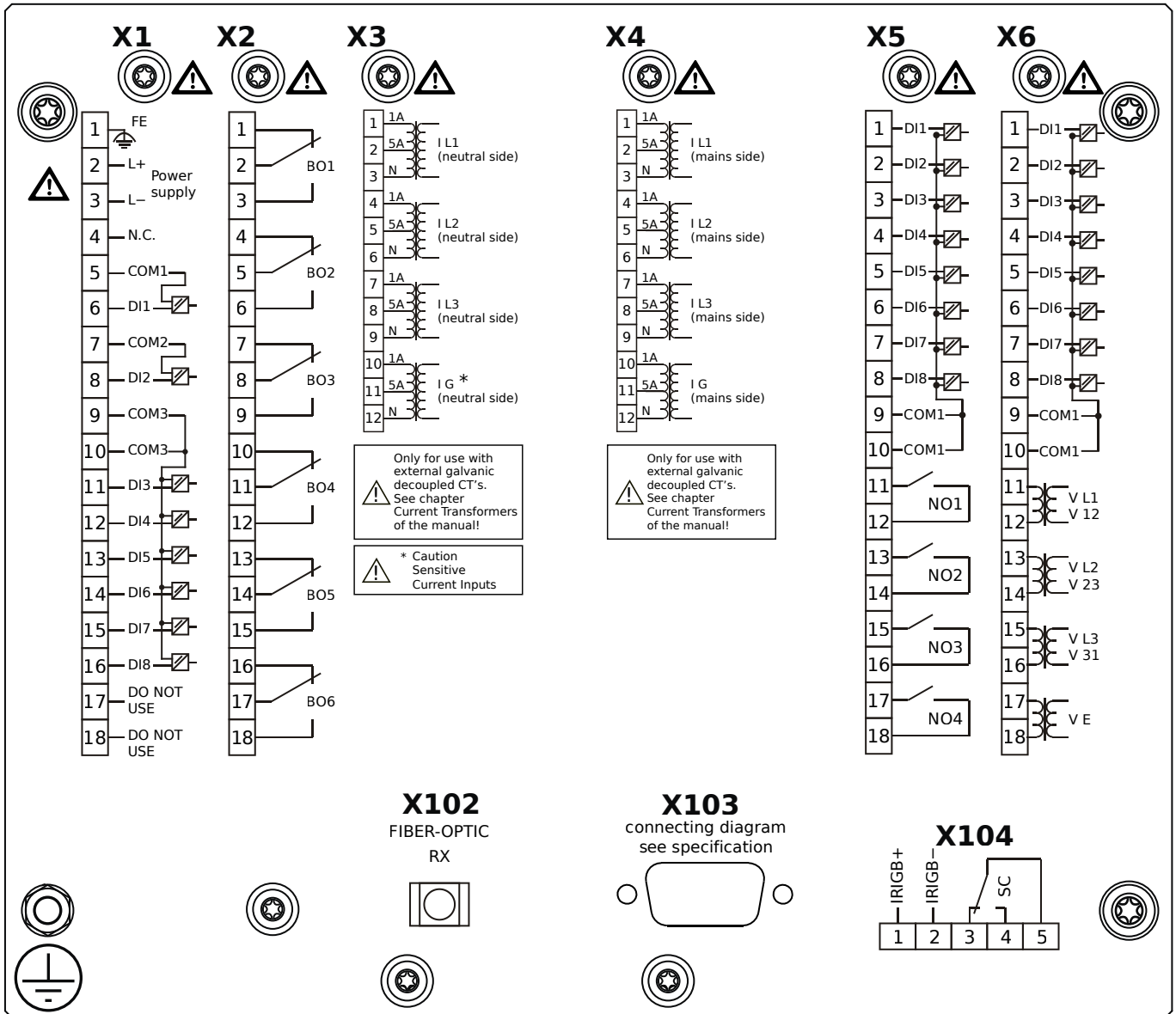
MCDGV4-2C1BEA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1BEB

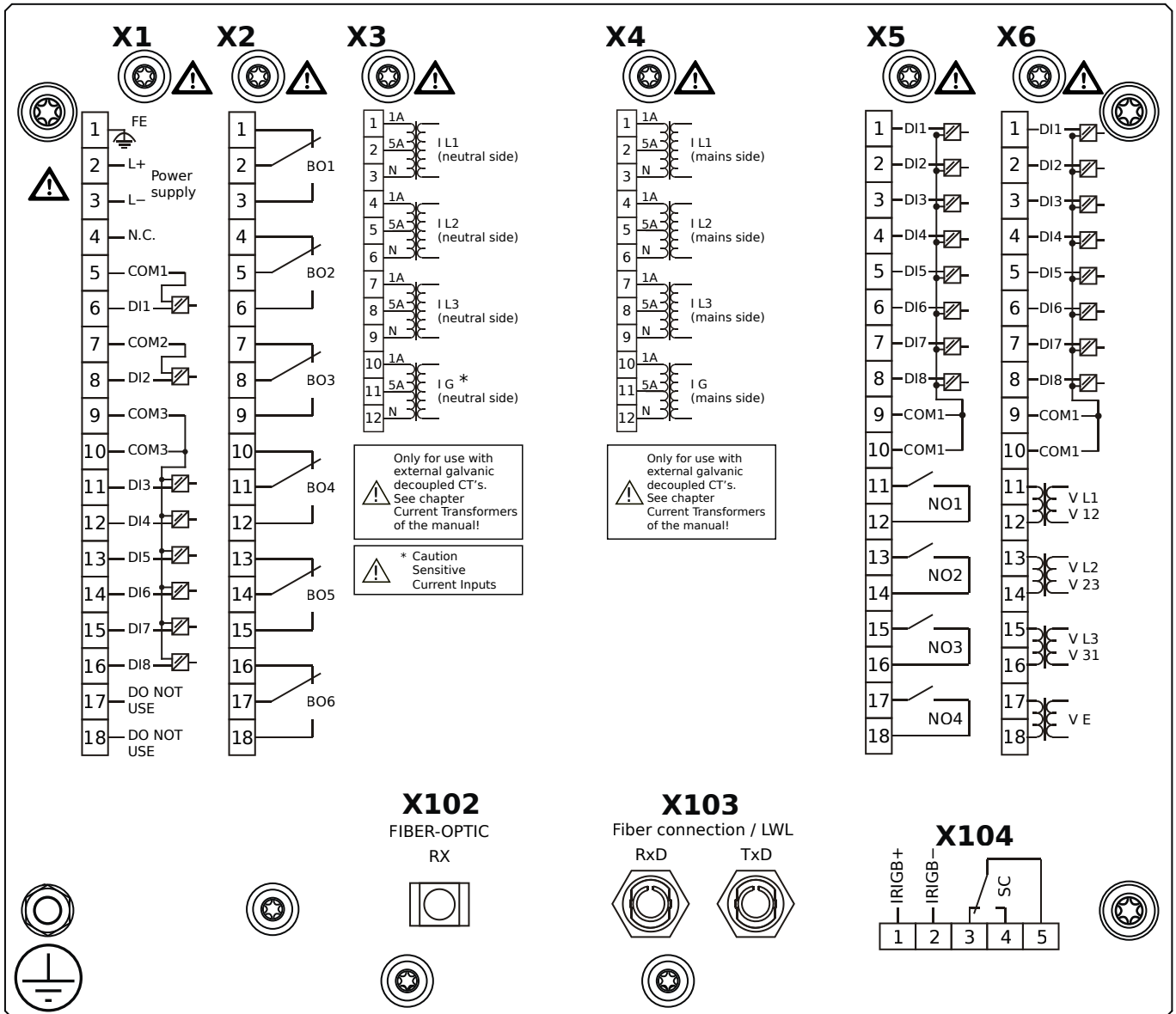


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

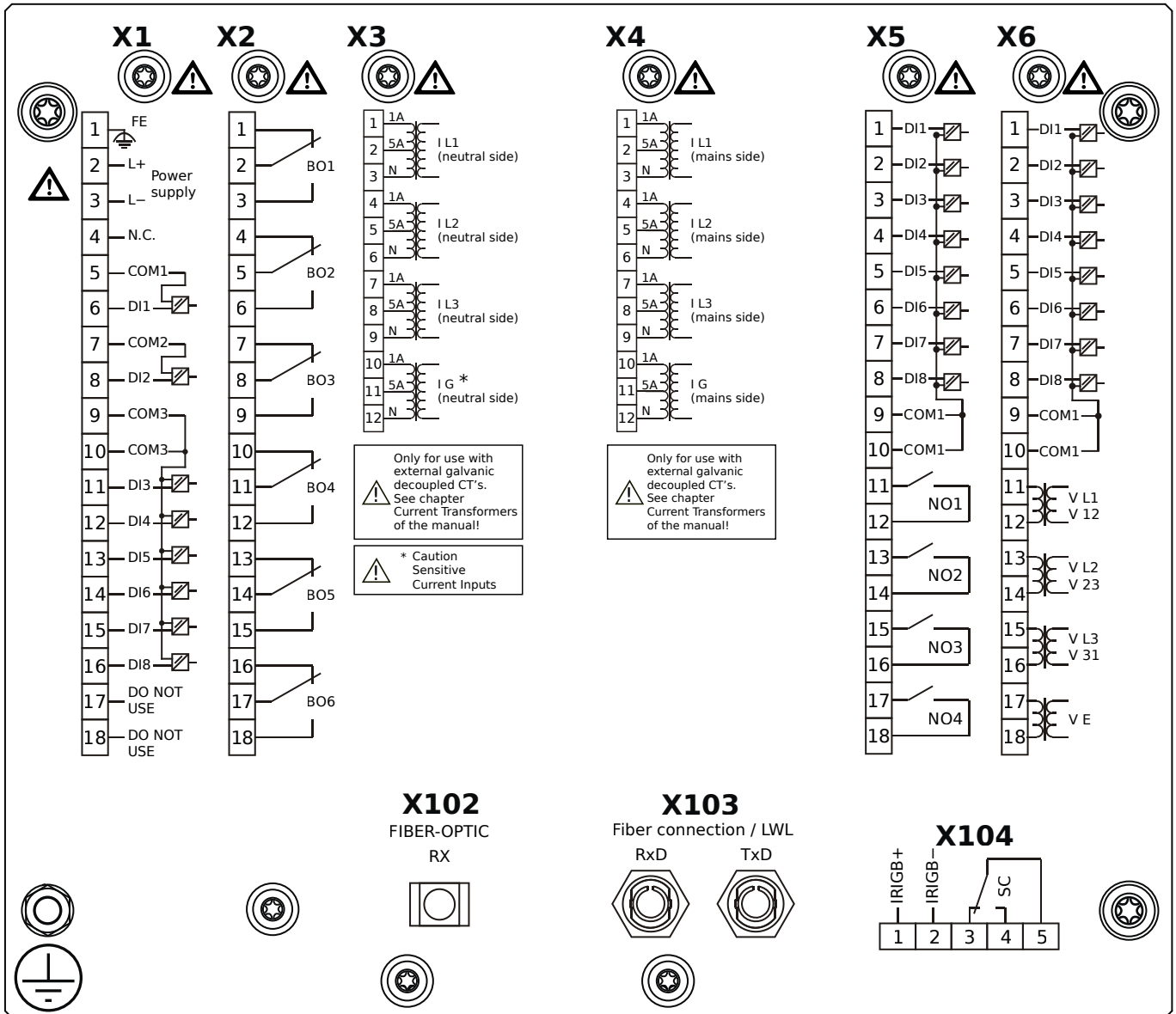
MCDGV4-2C1BFA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1BFB

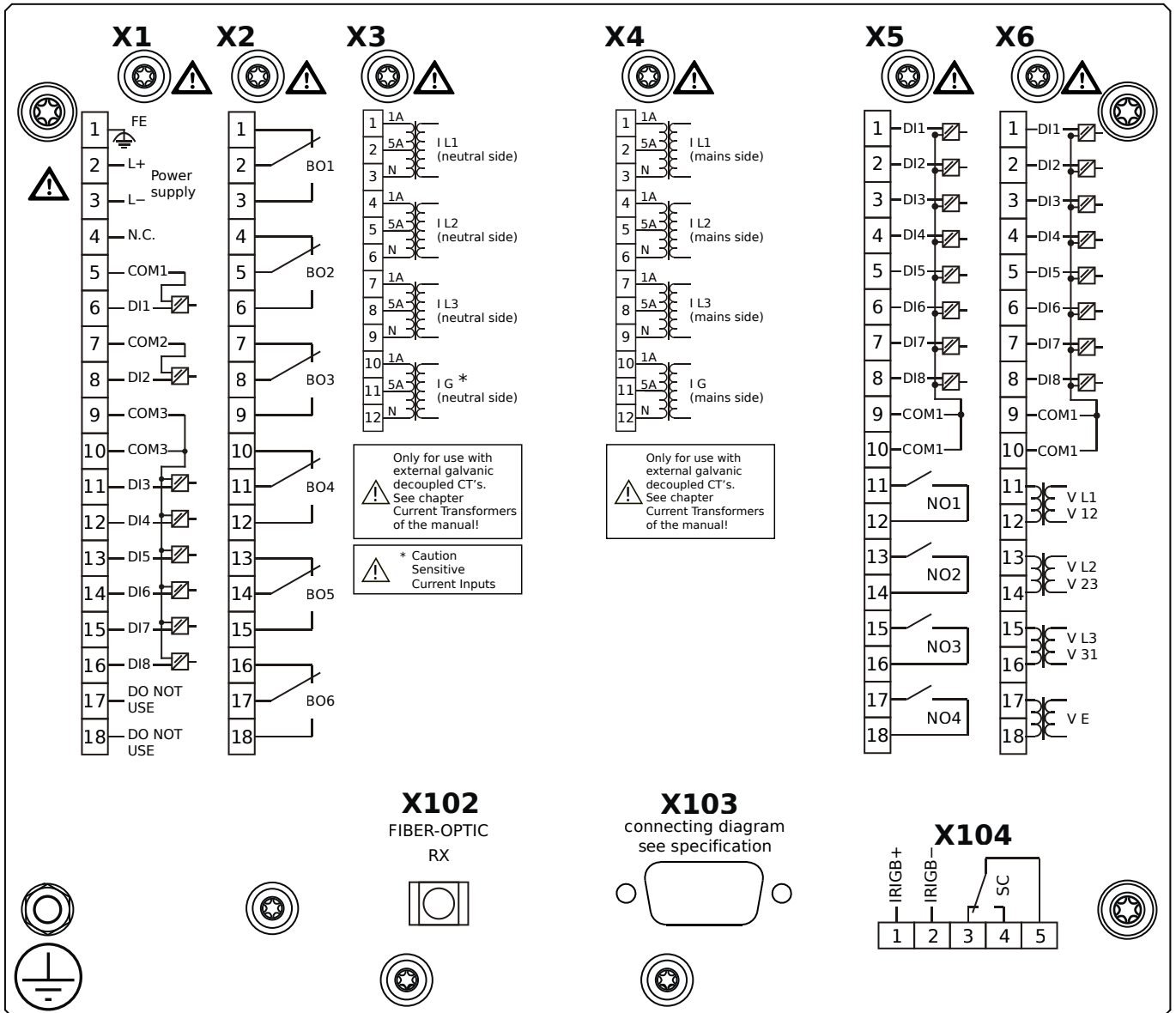


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

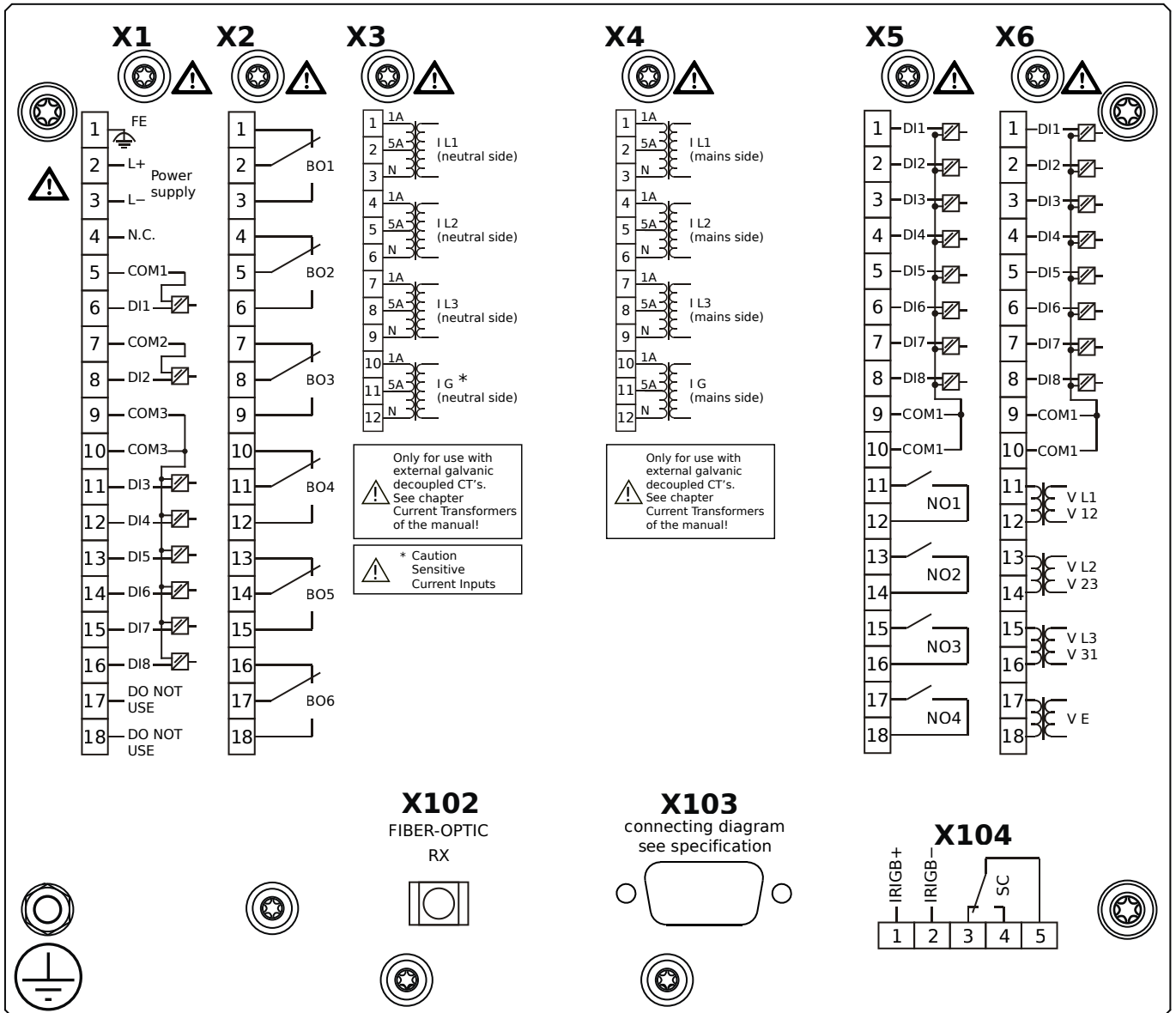
MCDGV4-2C1BGA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
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- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1BGB

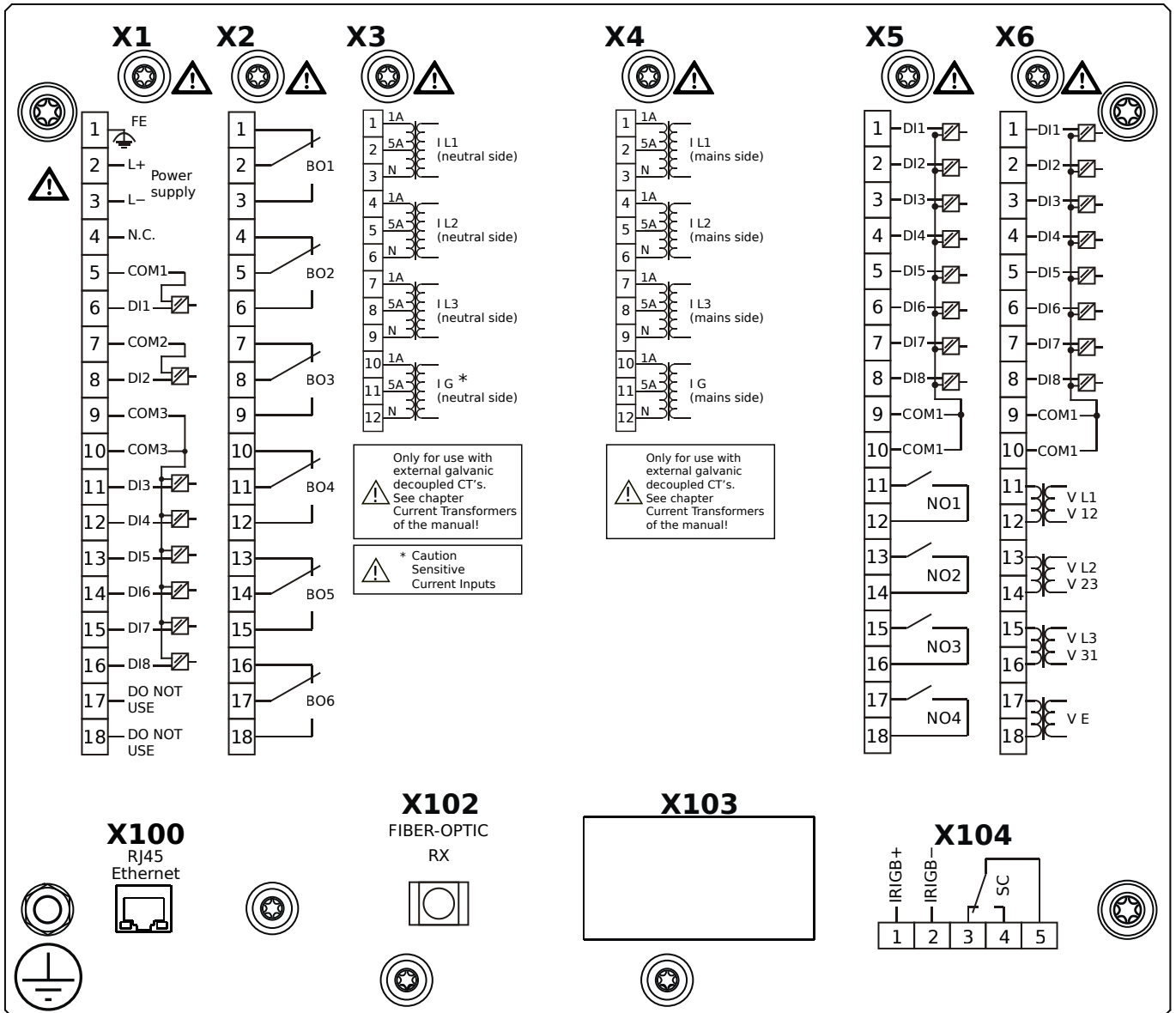


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

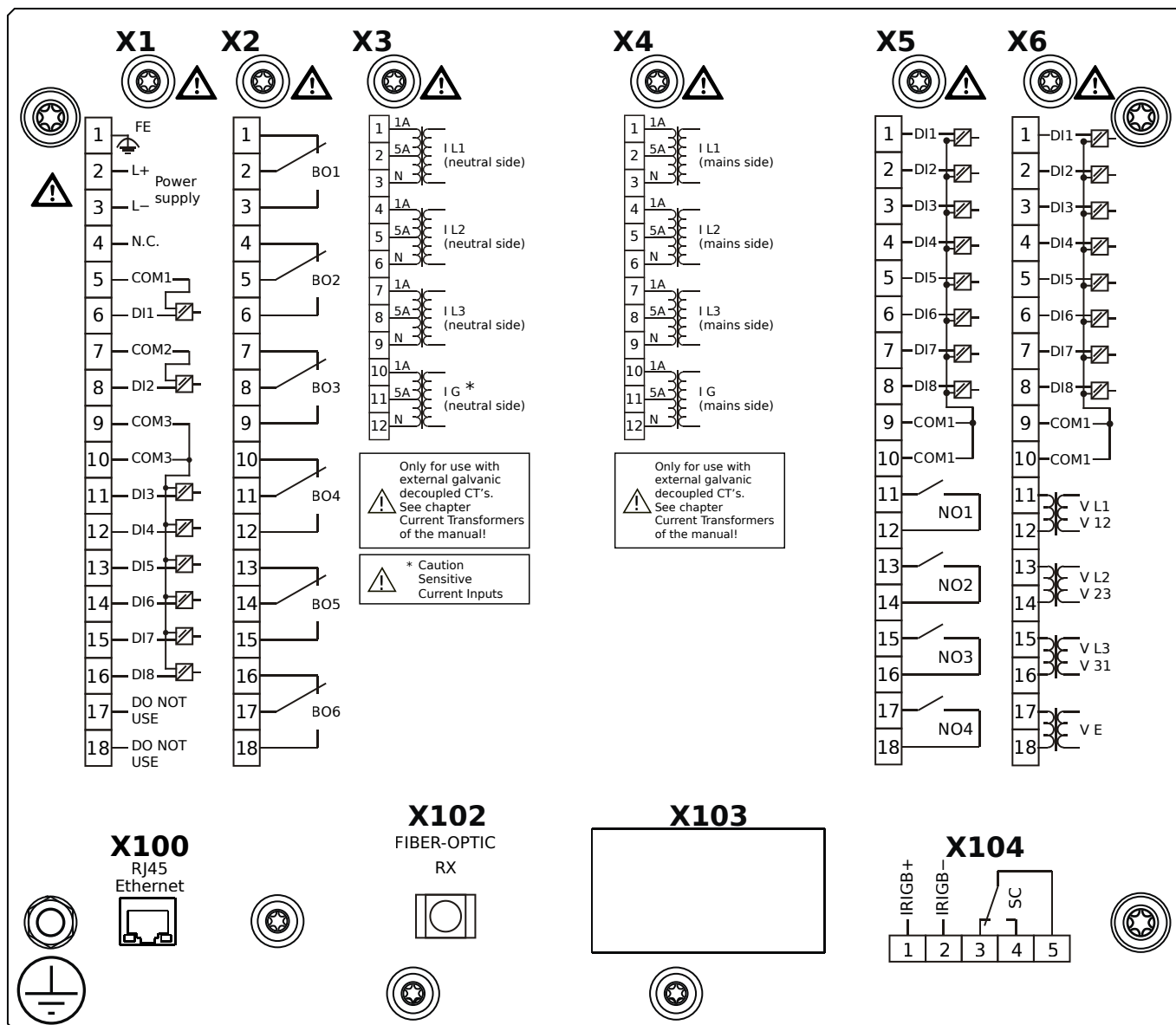
MCDGV4-2C1BHA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1BHB

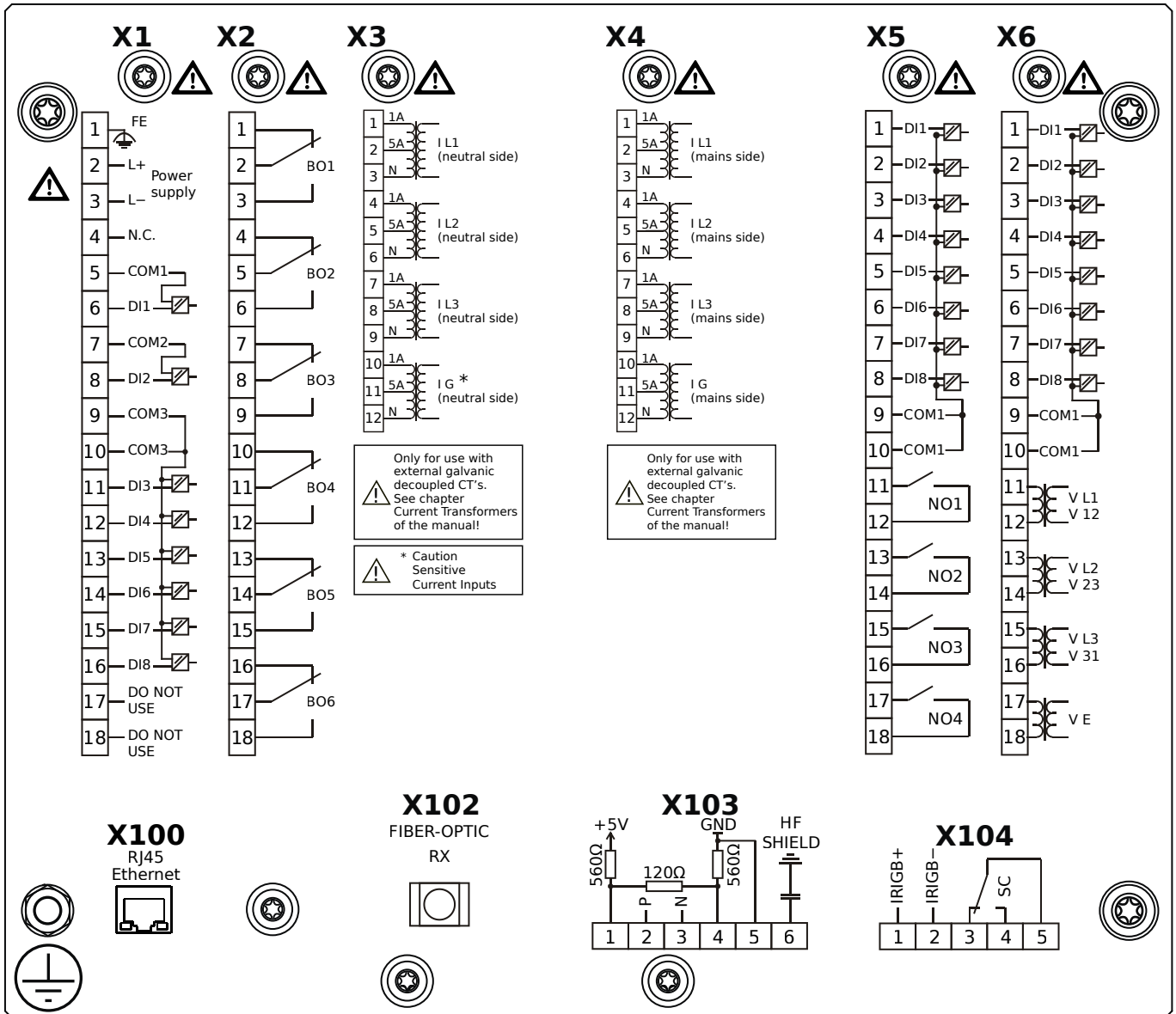


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-
FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

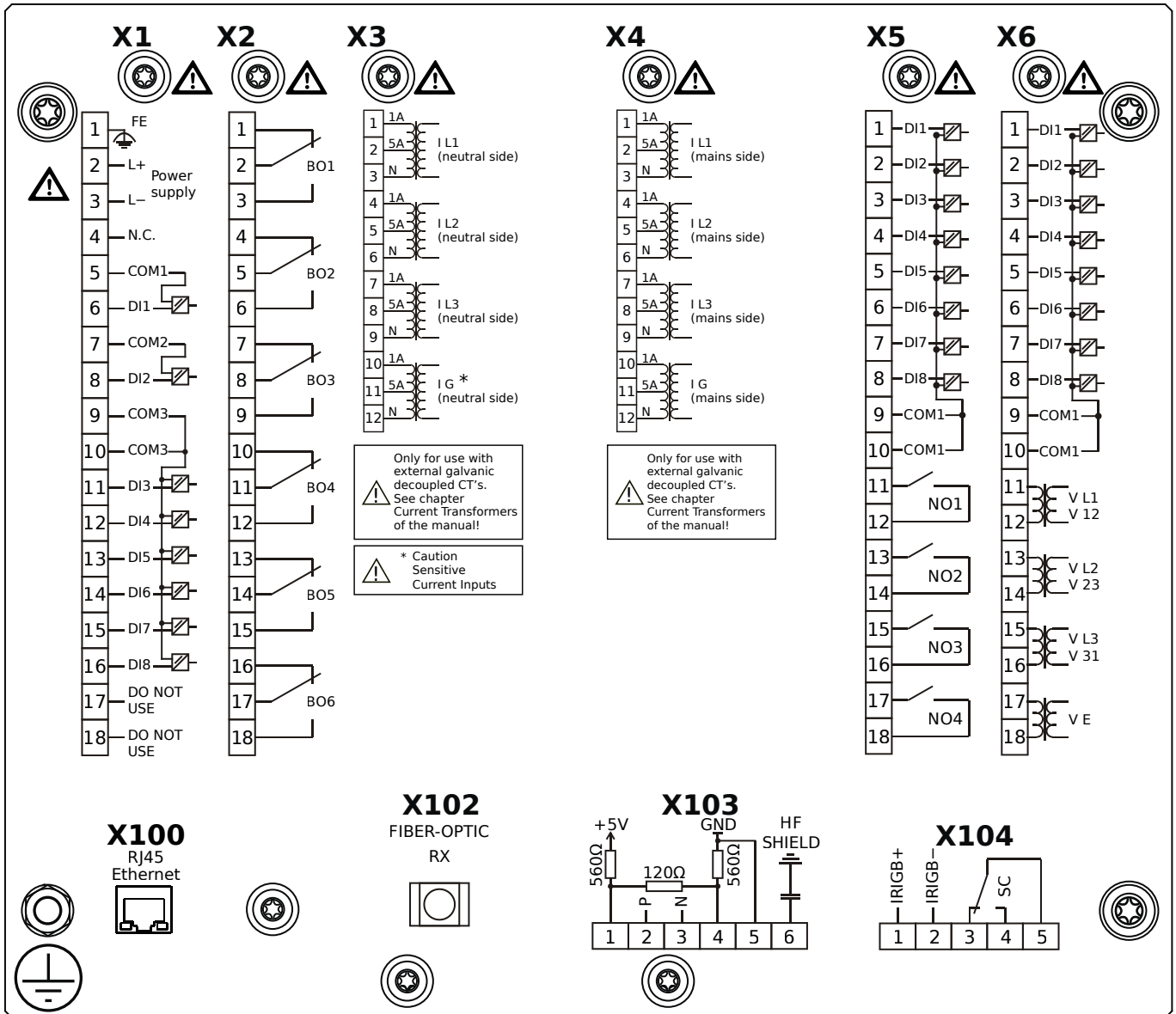
MCDGV4-2C1BIA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1BIB

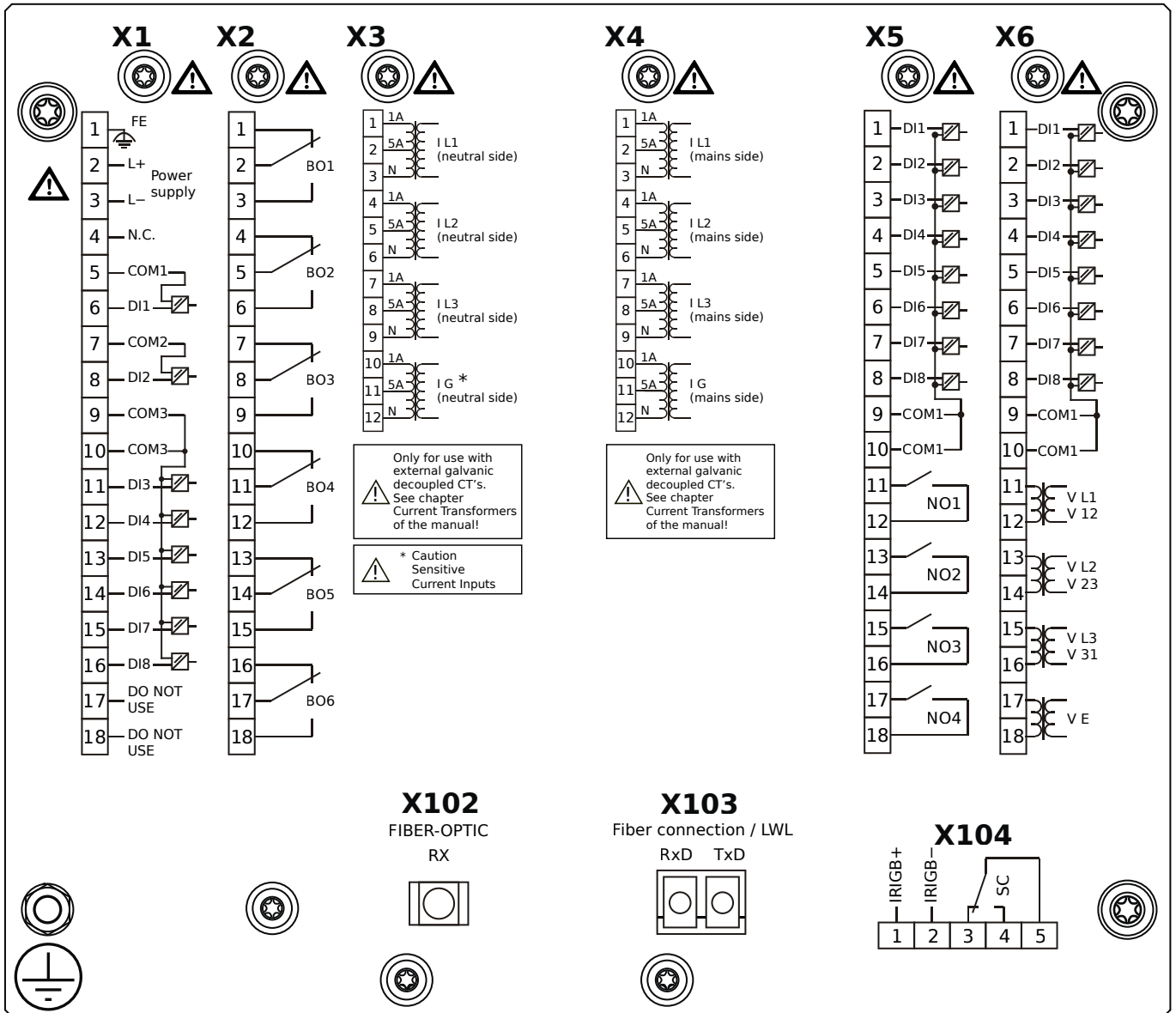


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

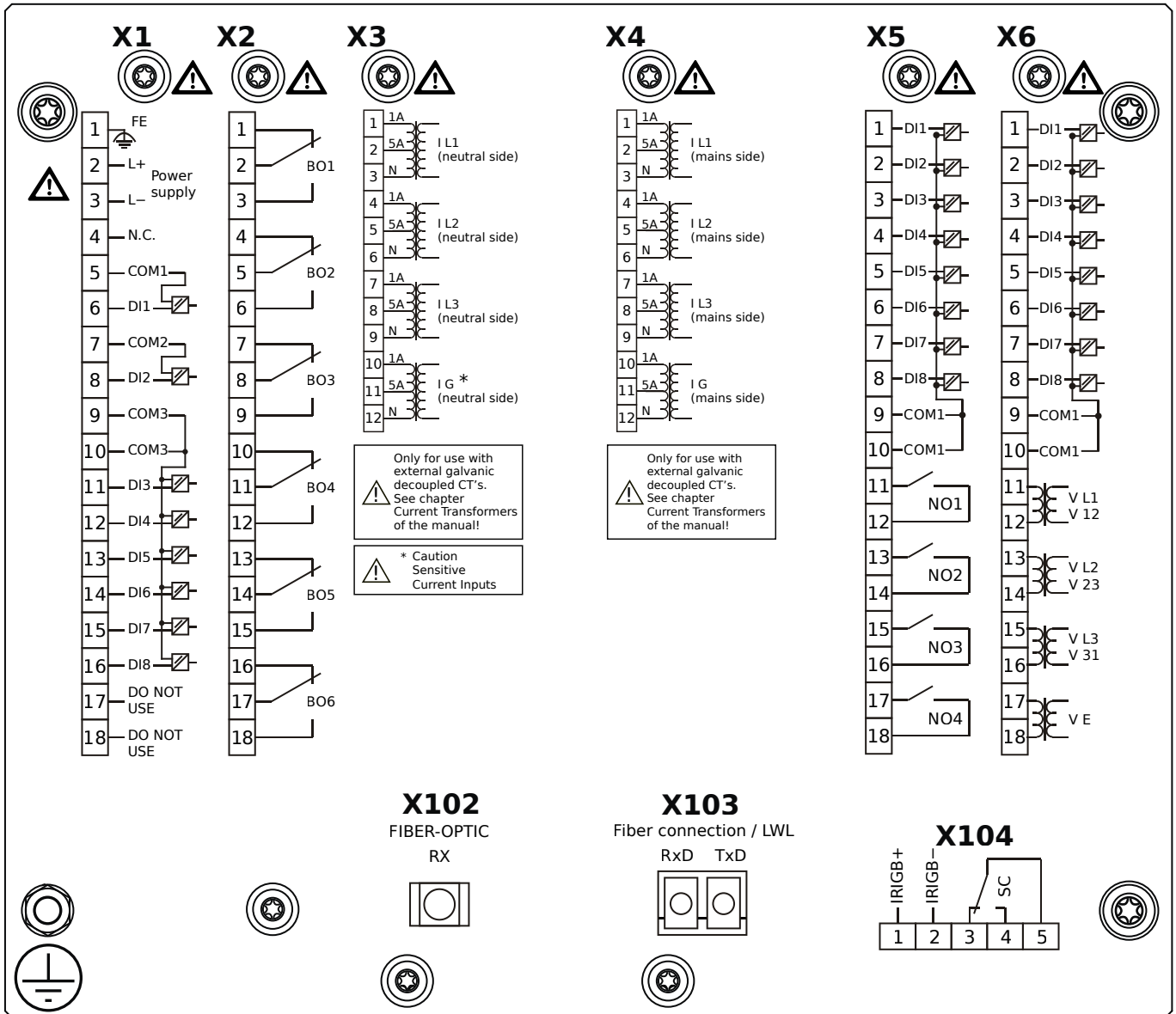
MCDGV4-2C1BKA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1BKB

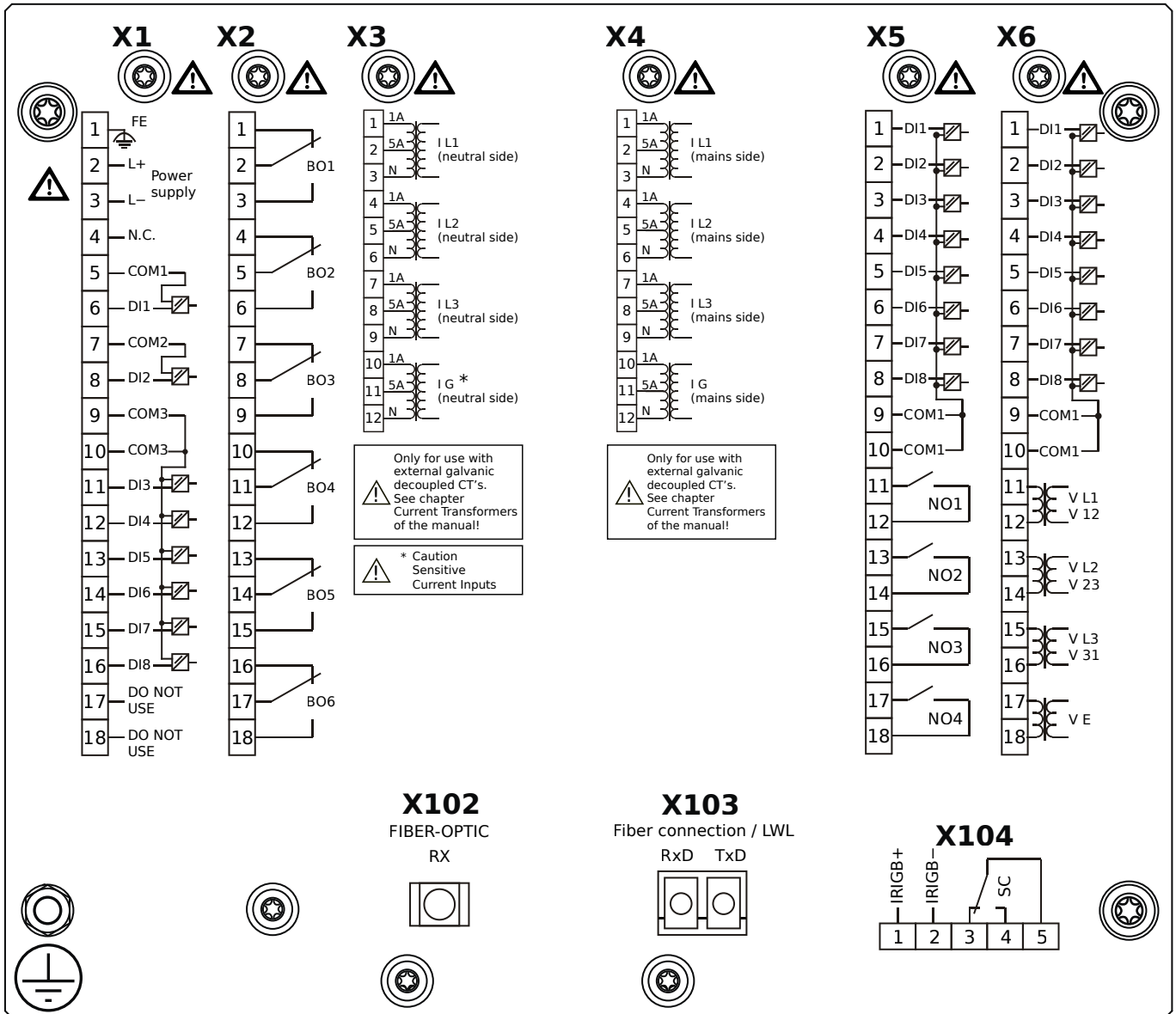


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

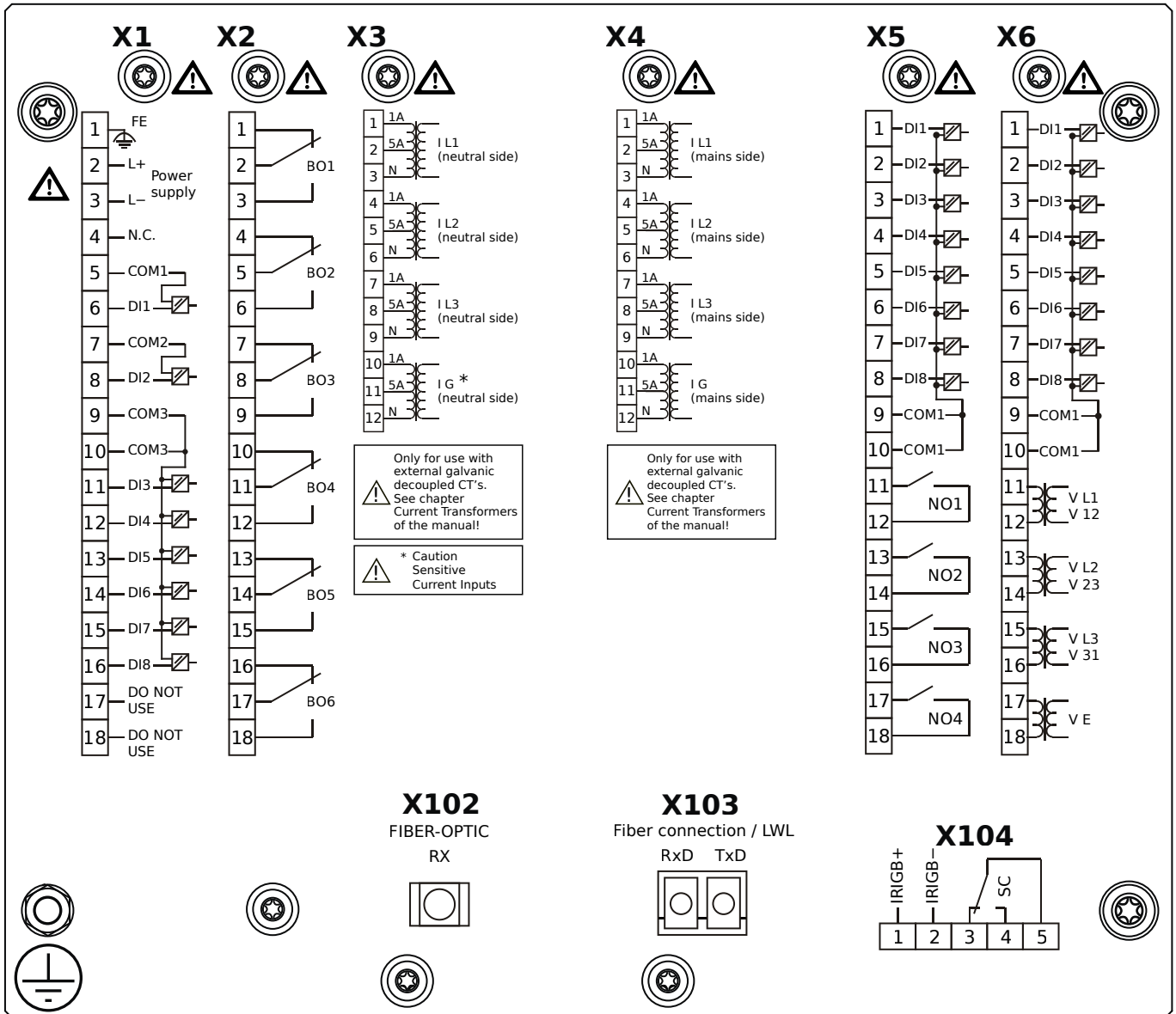
MCDGV4-2C1BLA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1BLB

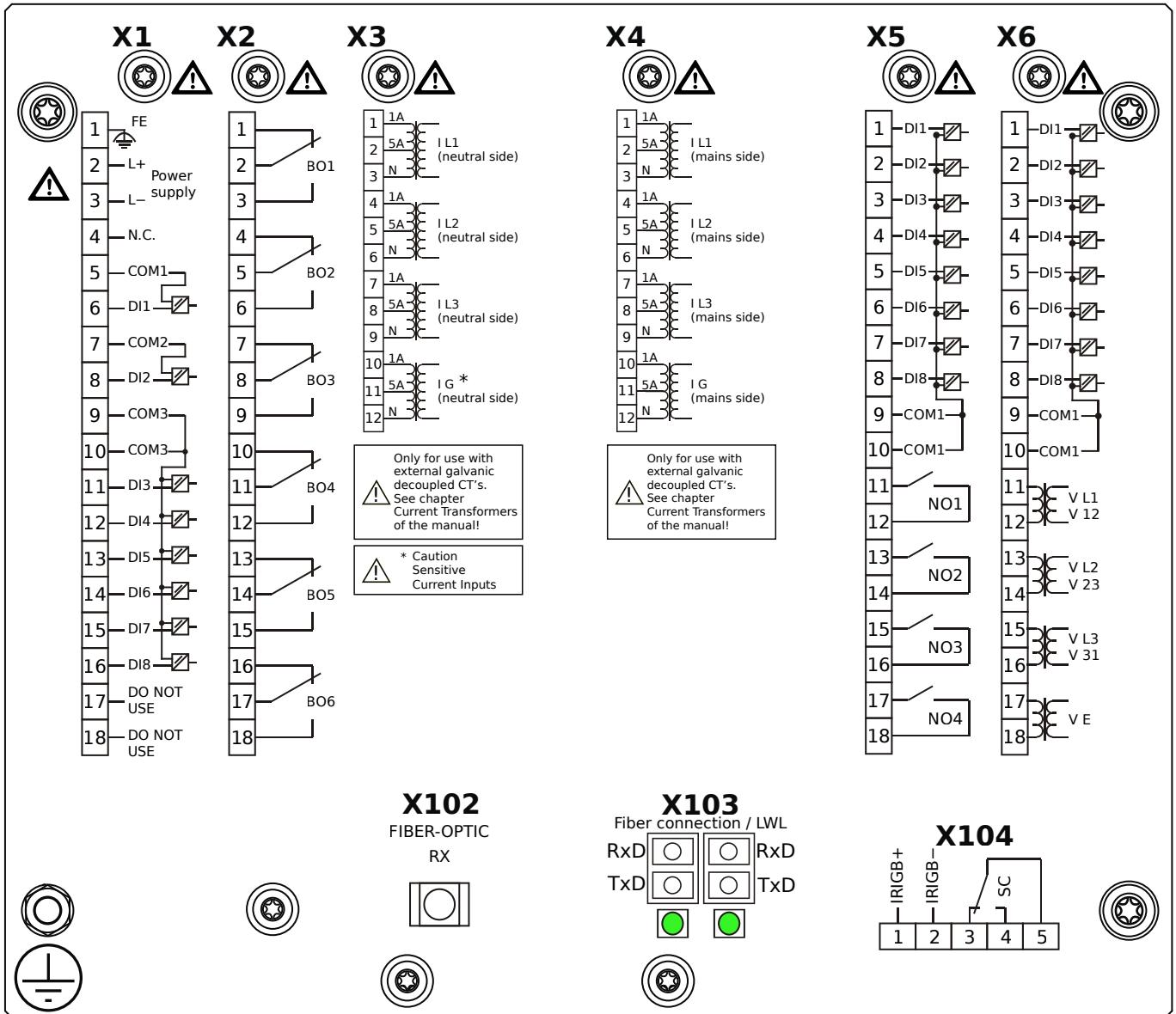


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

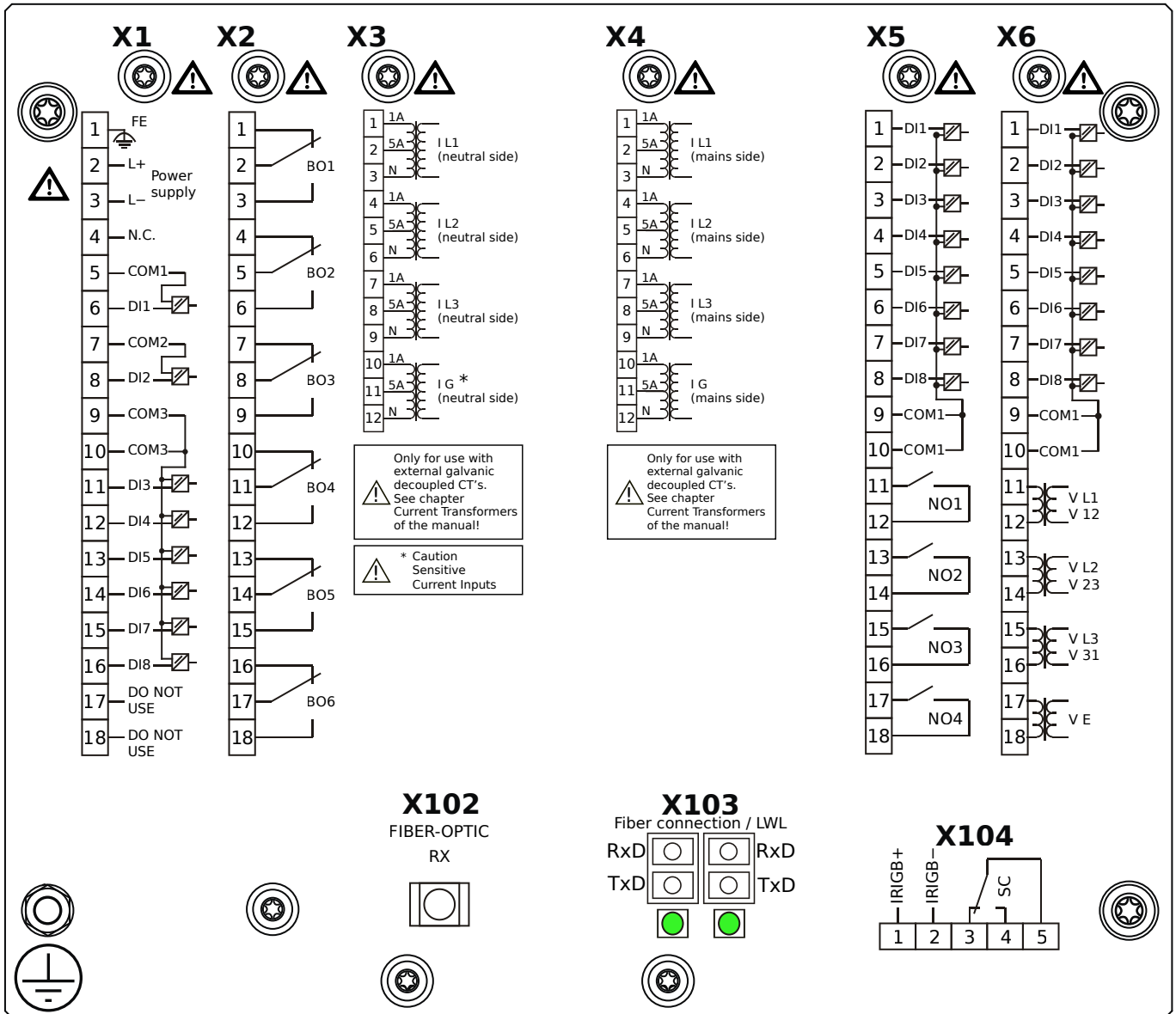
MCDGV4-2C1BOA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1BOB

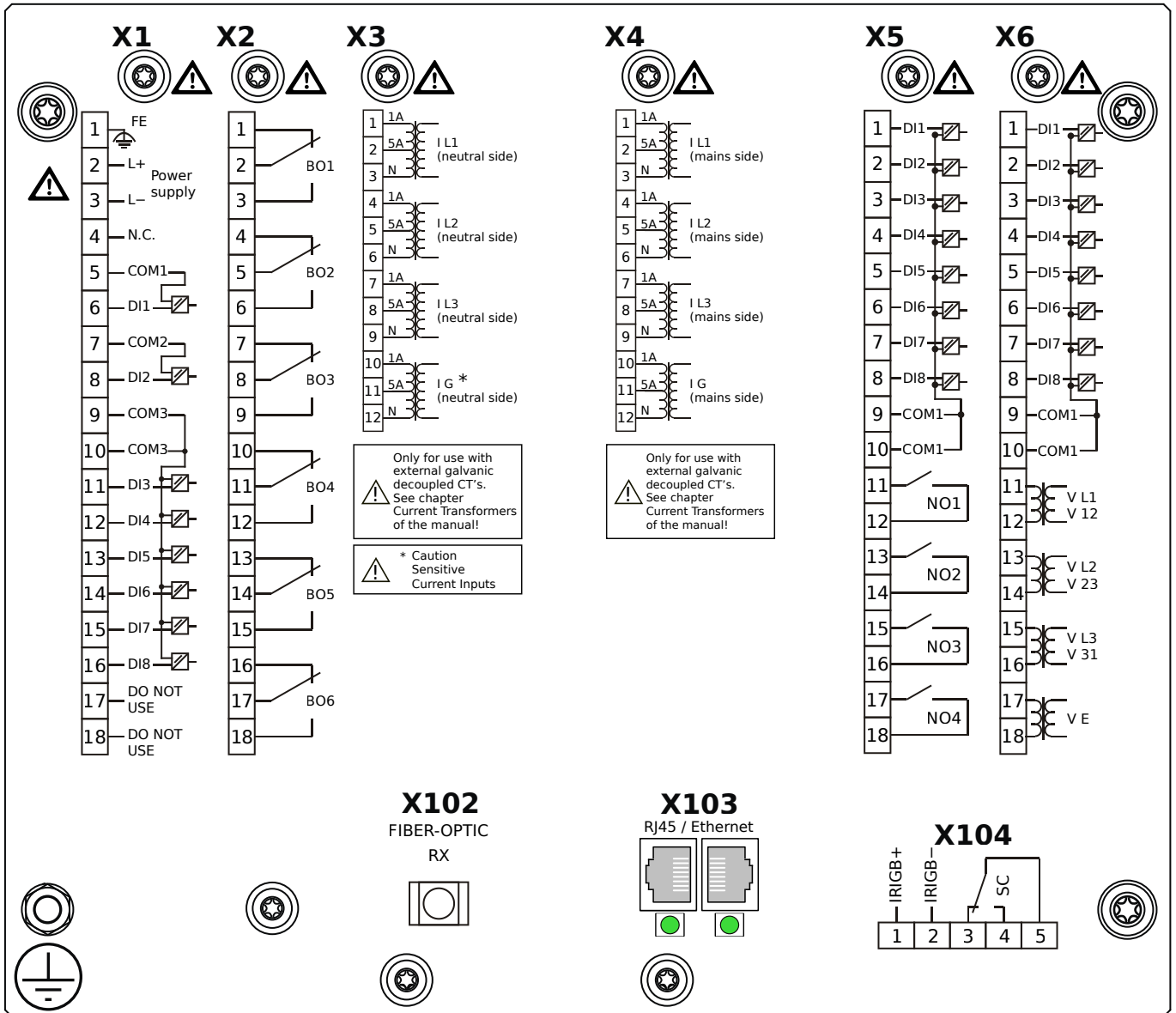


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

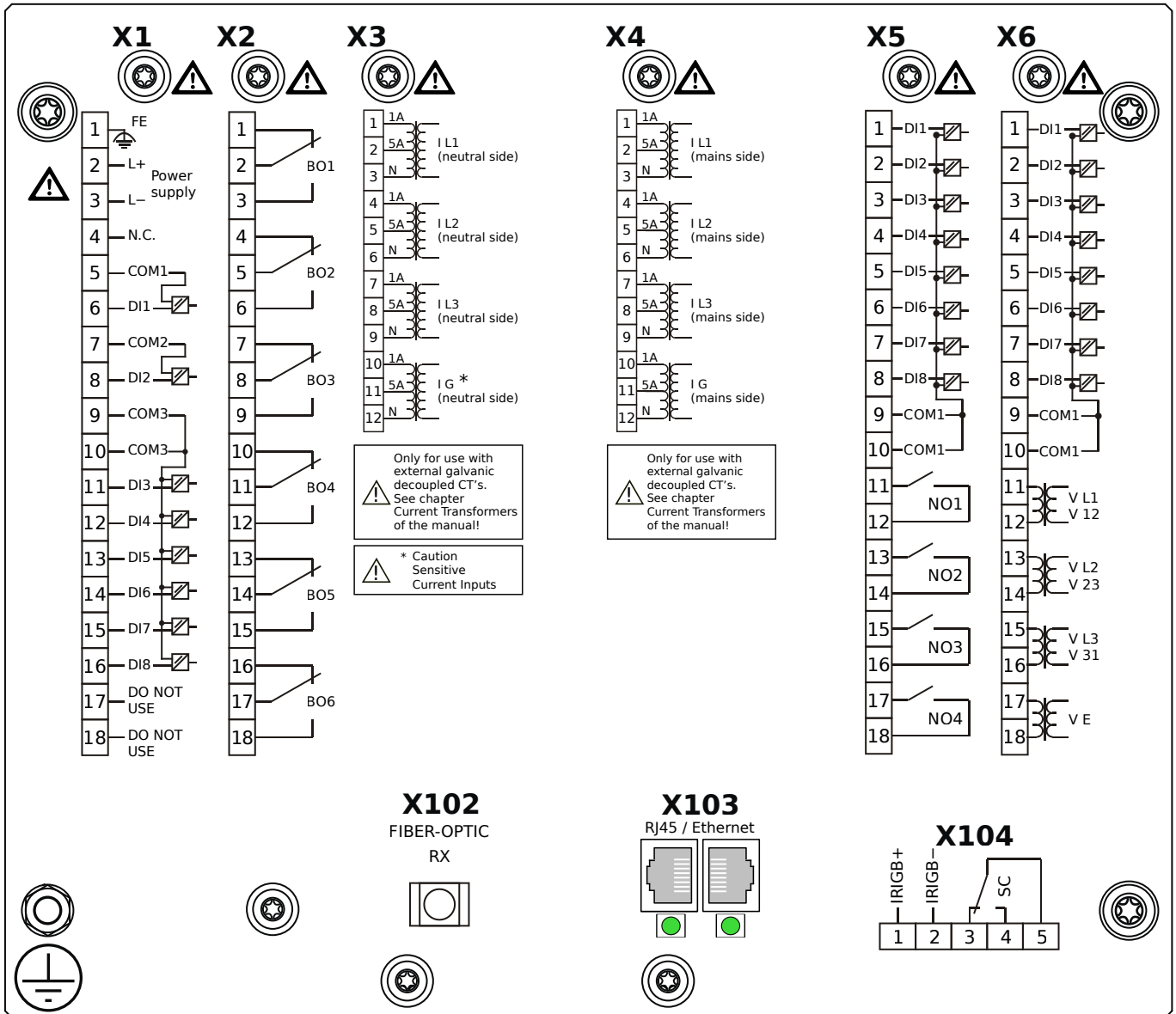
MCDGV4-2C1BPA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1BPB

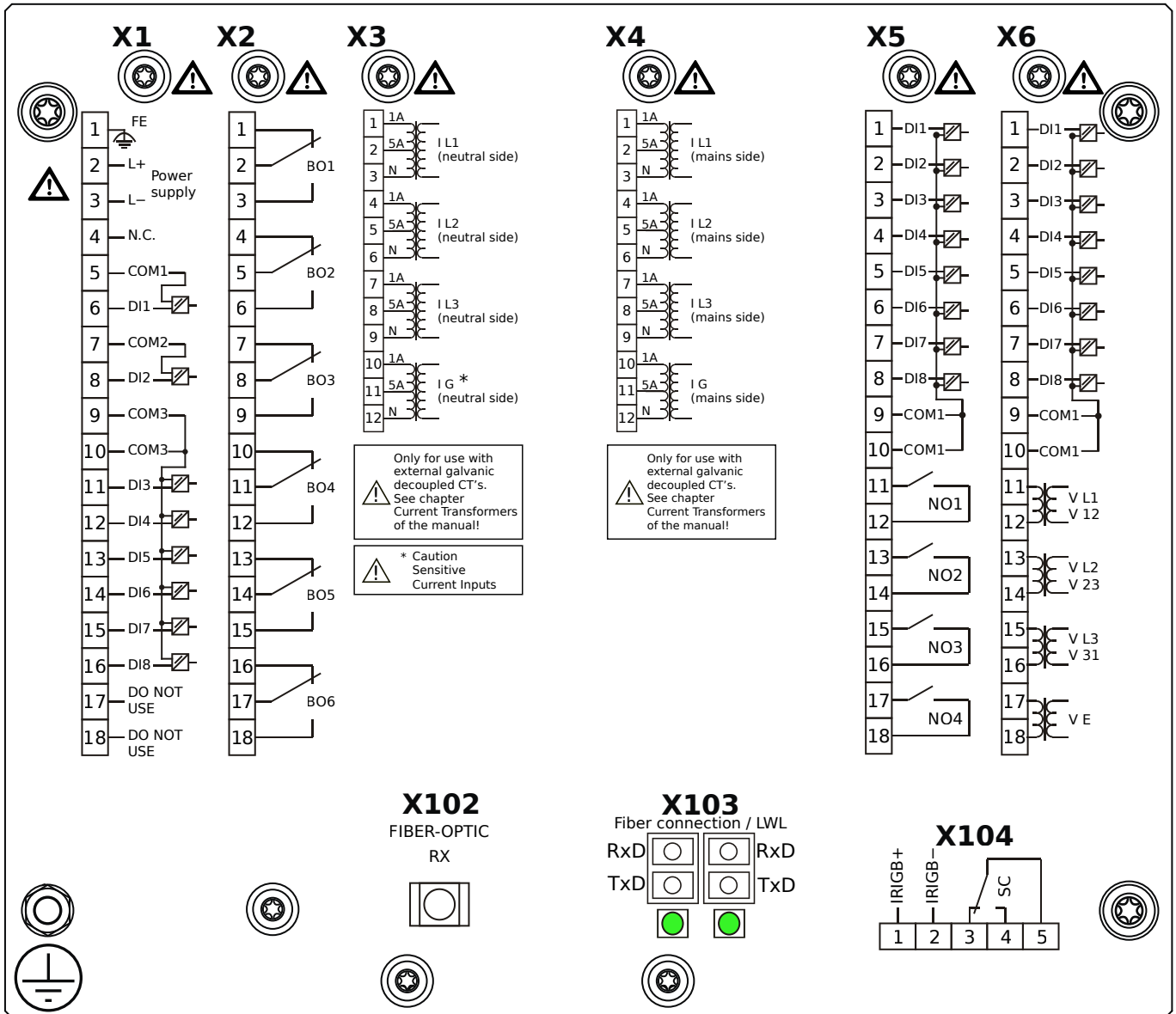


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

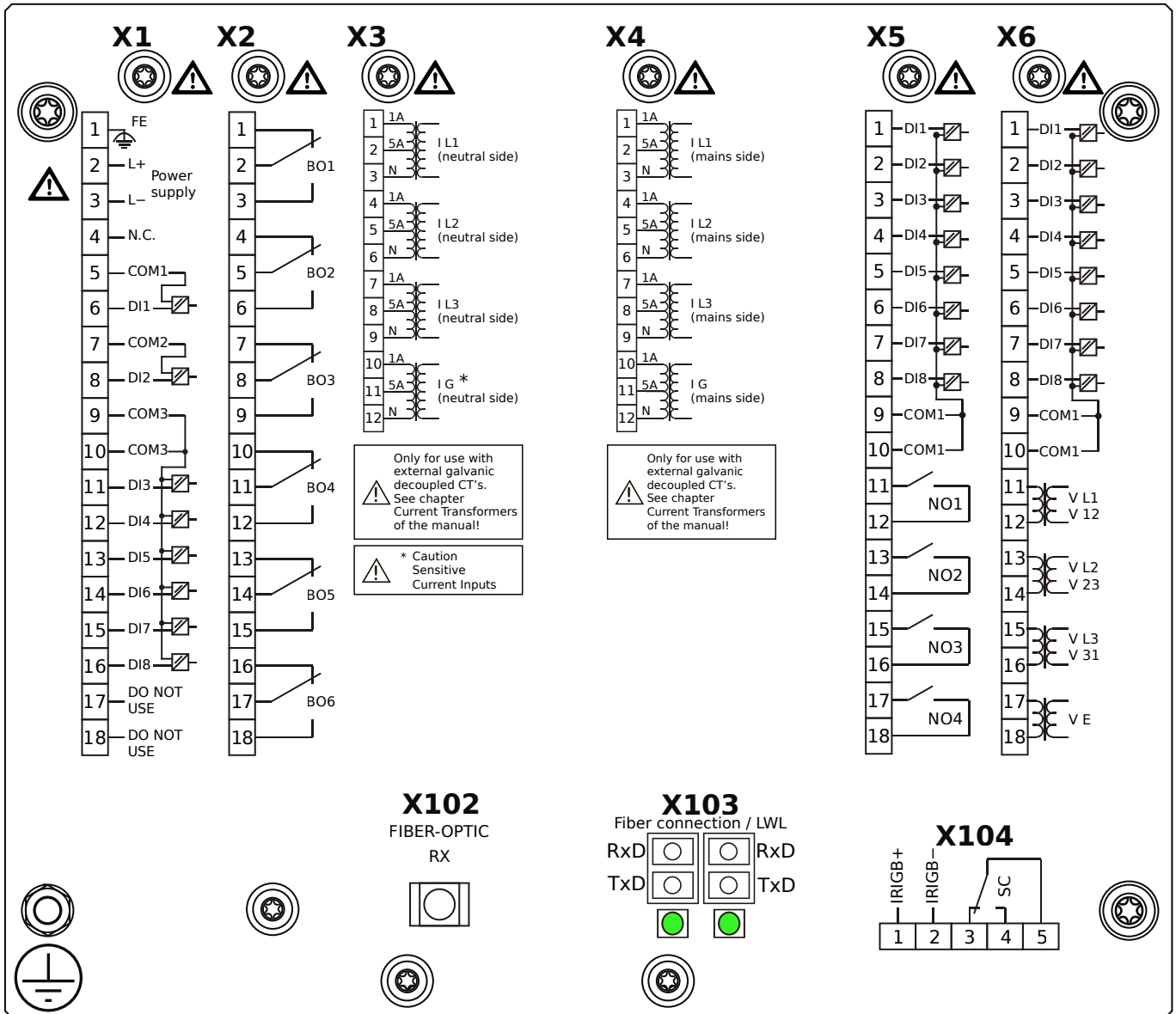
MCDGV4-2C1BQA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1BQB

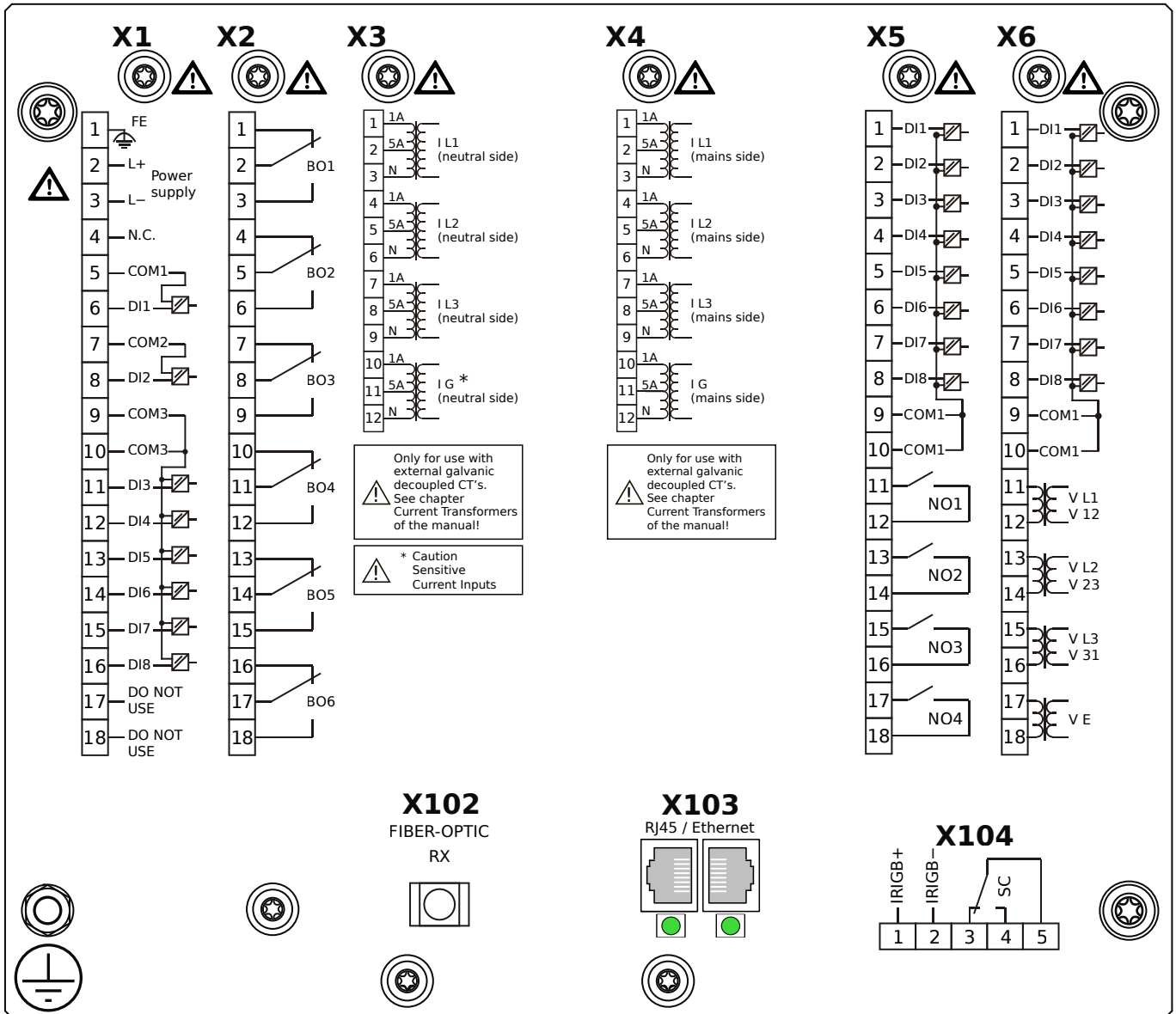


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

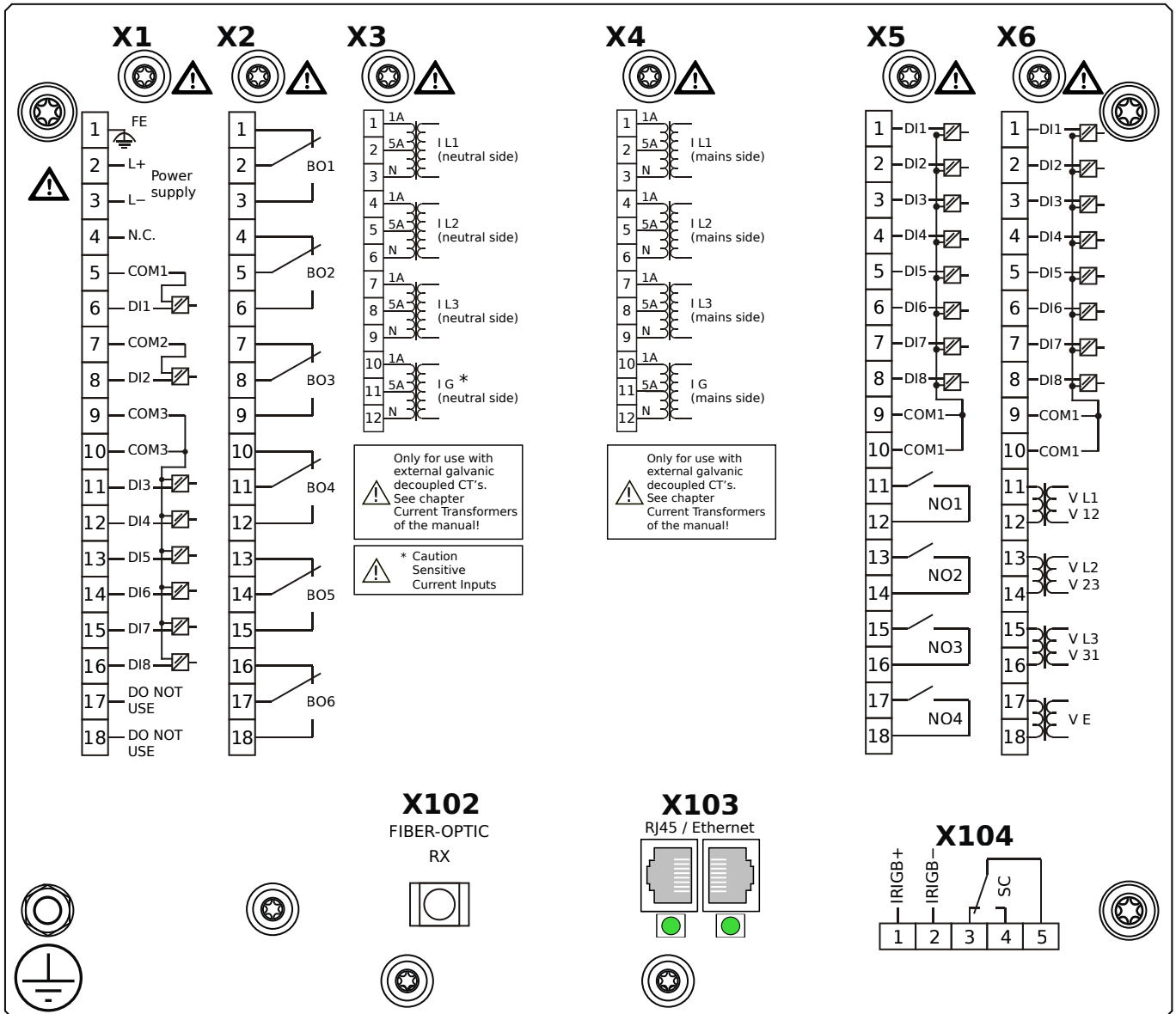
MCDGV4-2C1BRA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45
- (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1BRB



Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)

X6 – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs

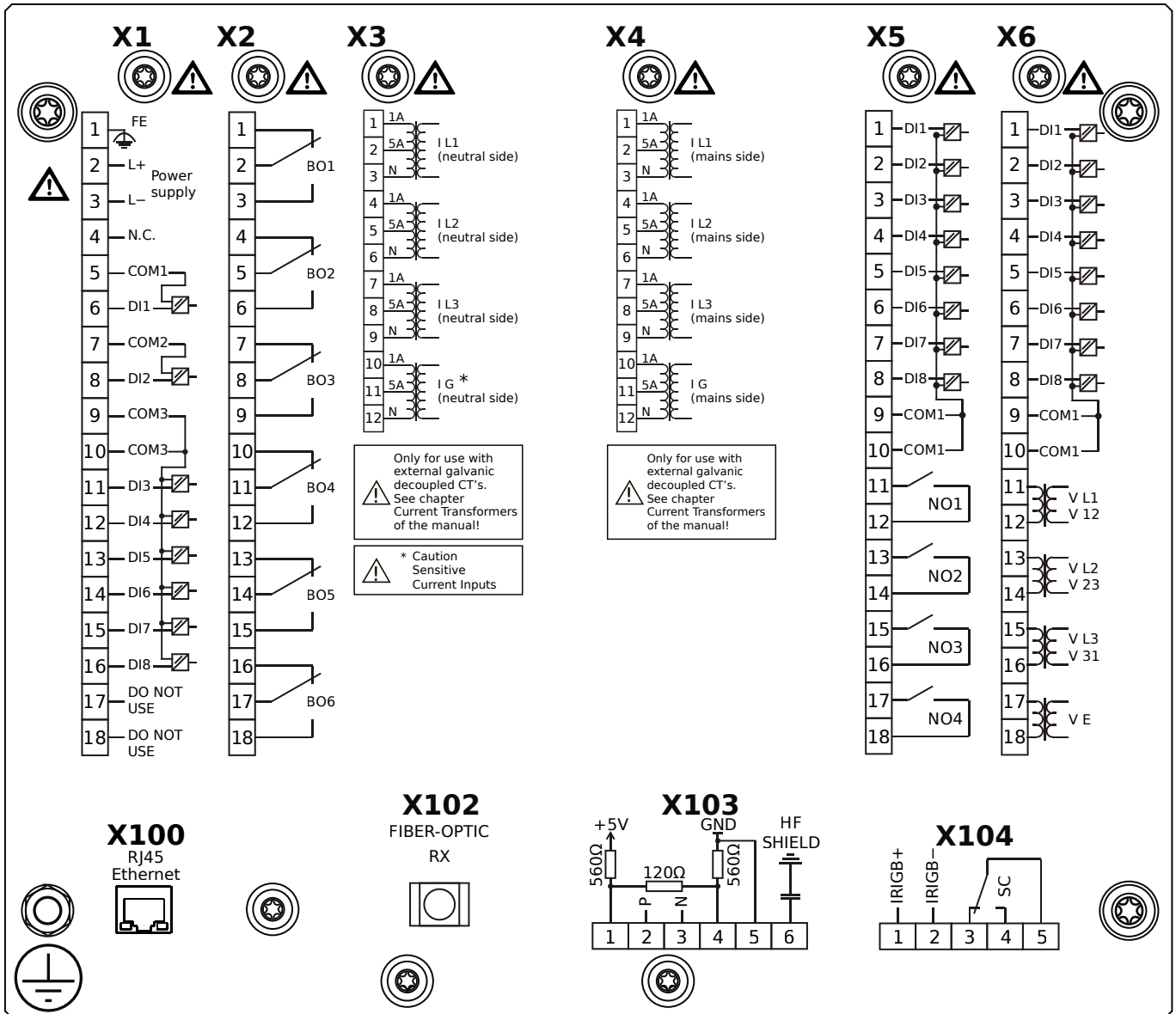
X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45

(BASE100-FX)

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

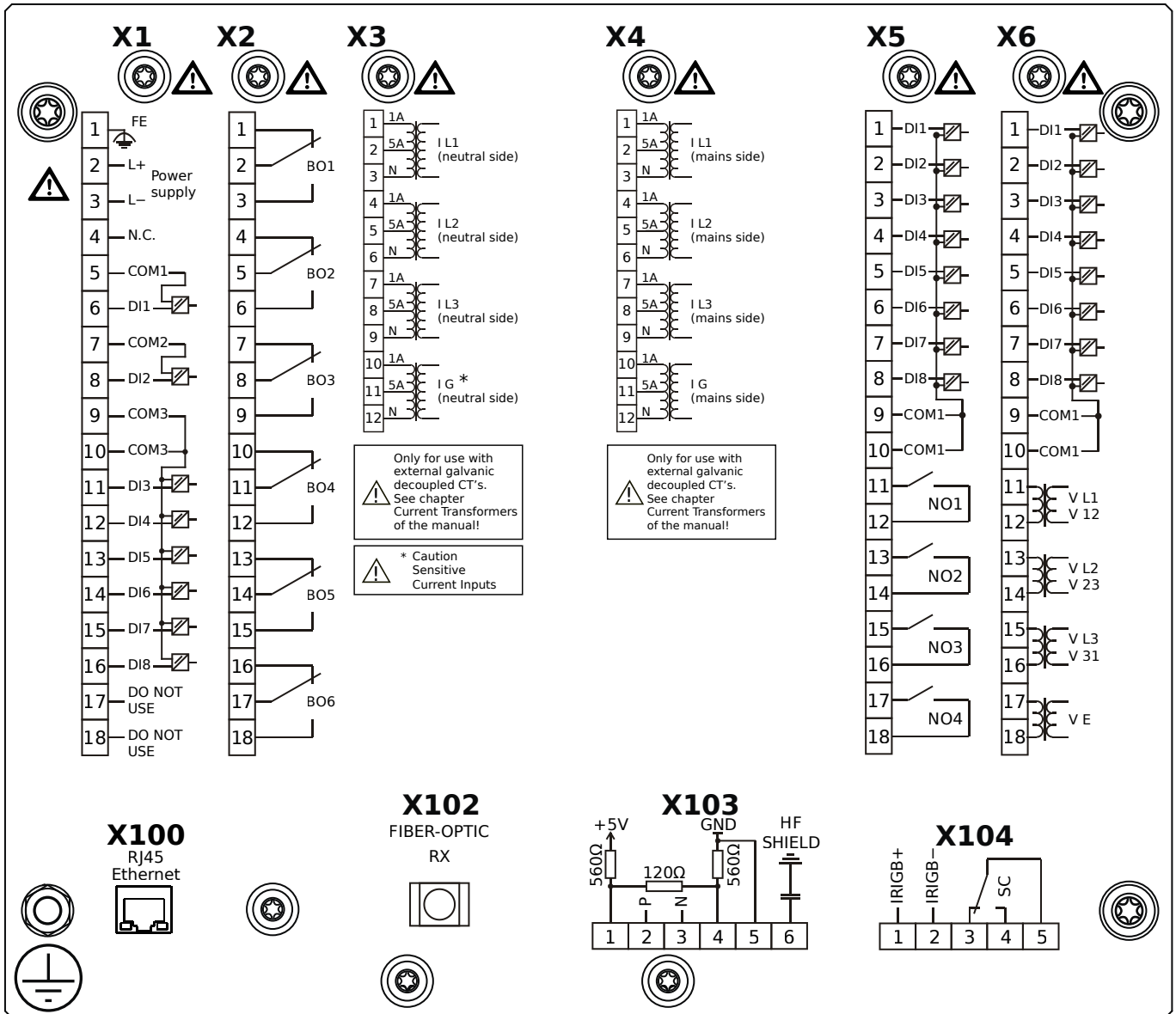
MCDGV4-2C1BTA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2C1BTB

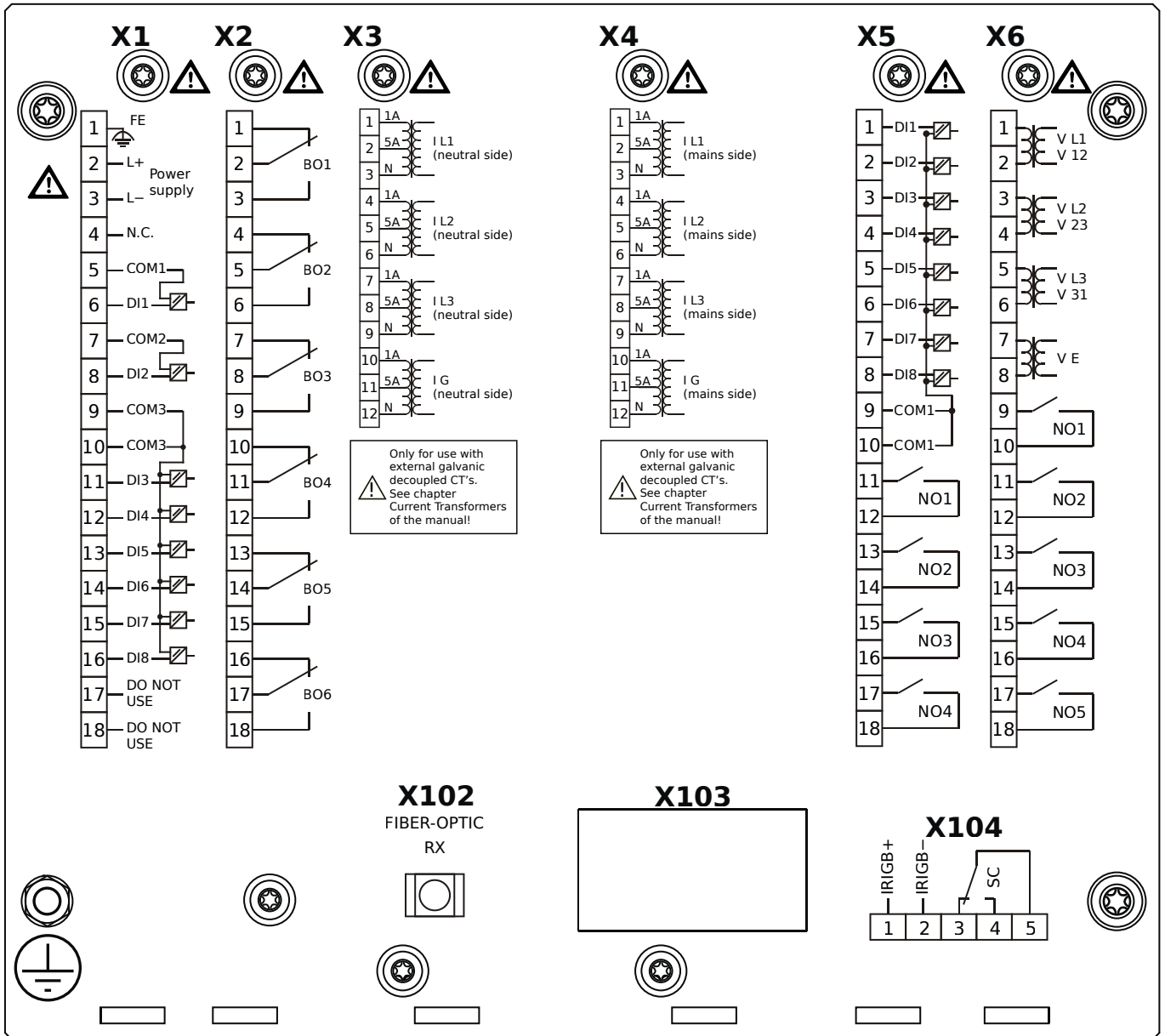


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-DI8: Voltage measuring (0 ... 300 VAC) assembly group with 8 Digital Inputs
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

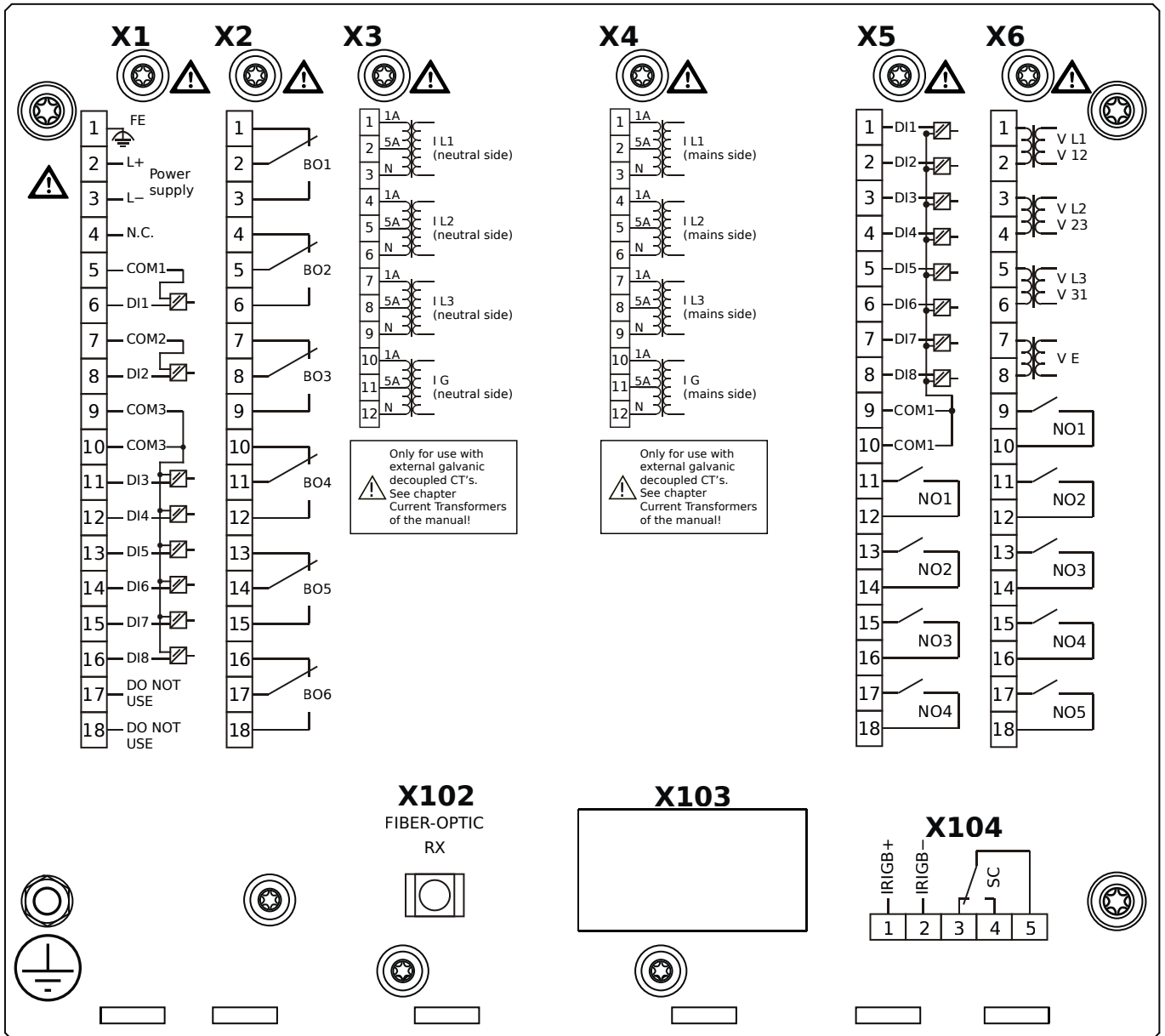
MCDGV4-2D0AAA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D0AAB

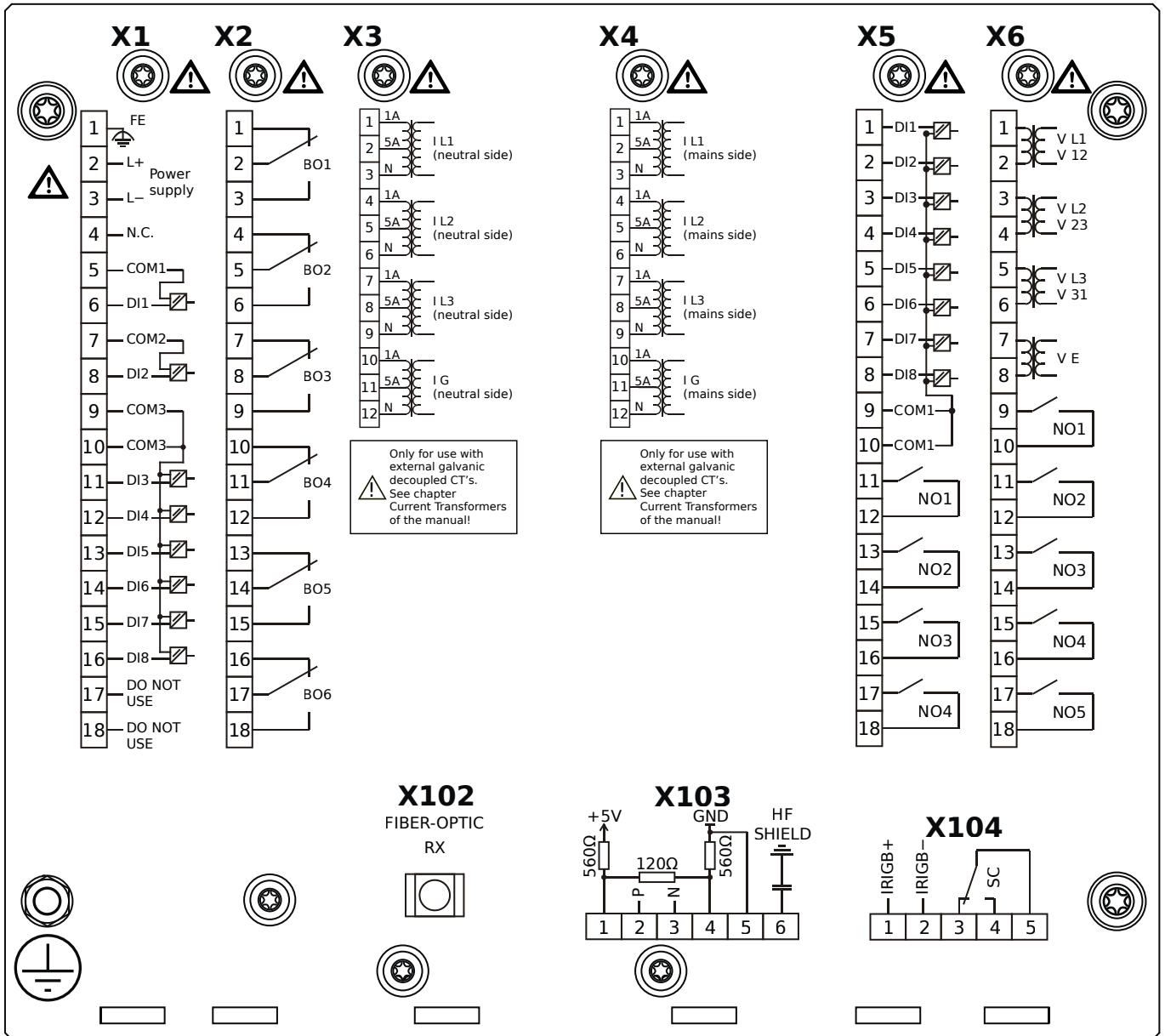


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

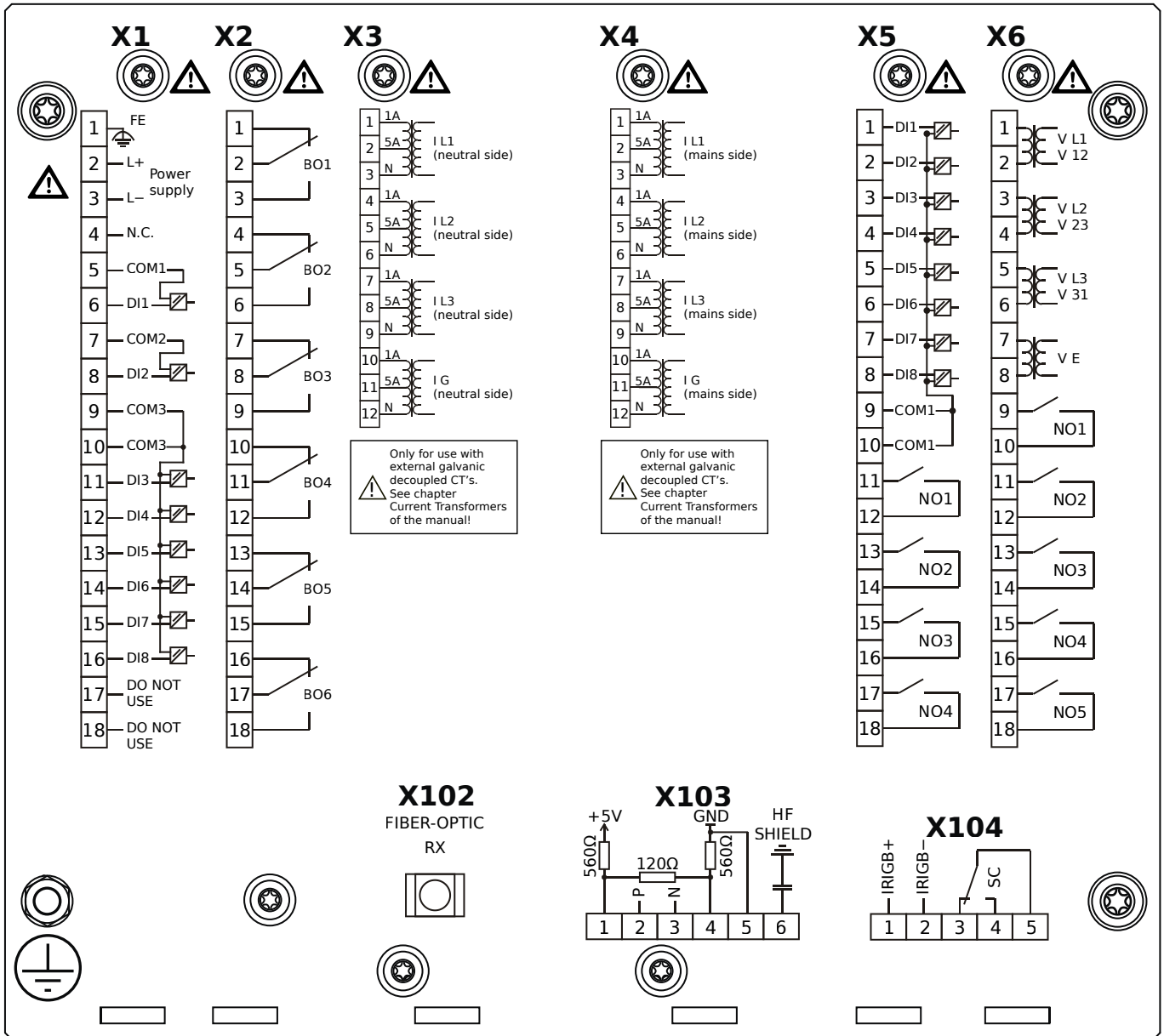
MCDGV4-2D0ABA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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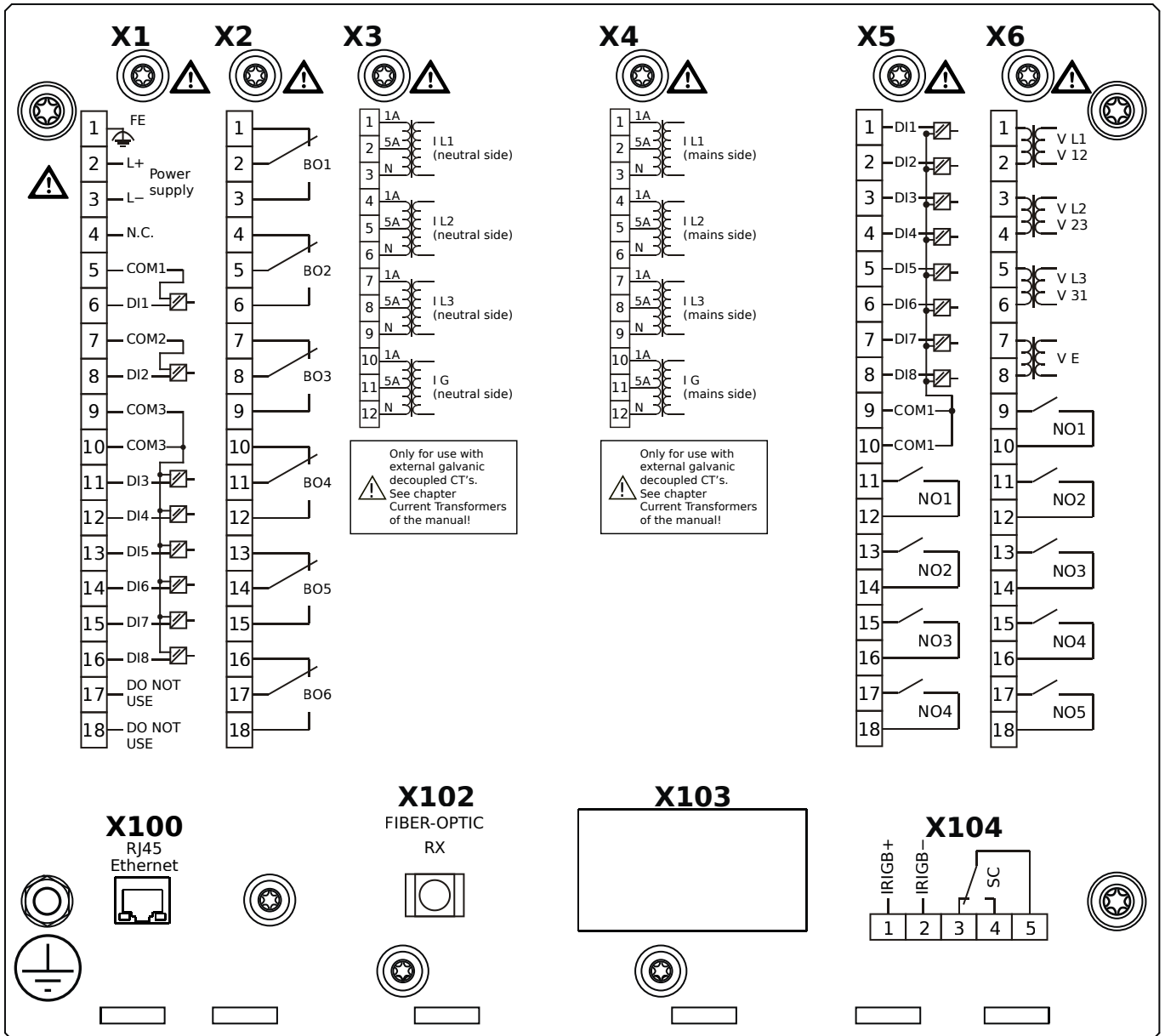


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

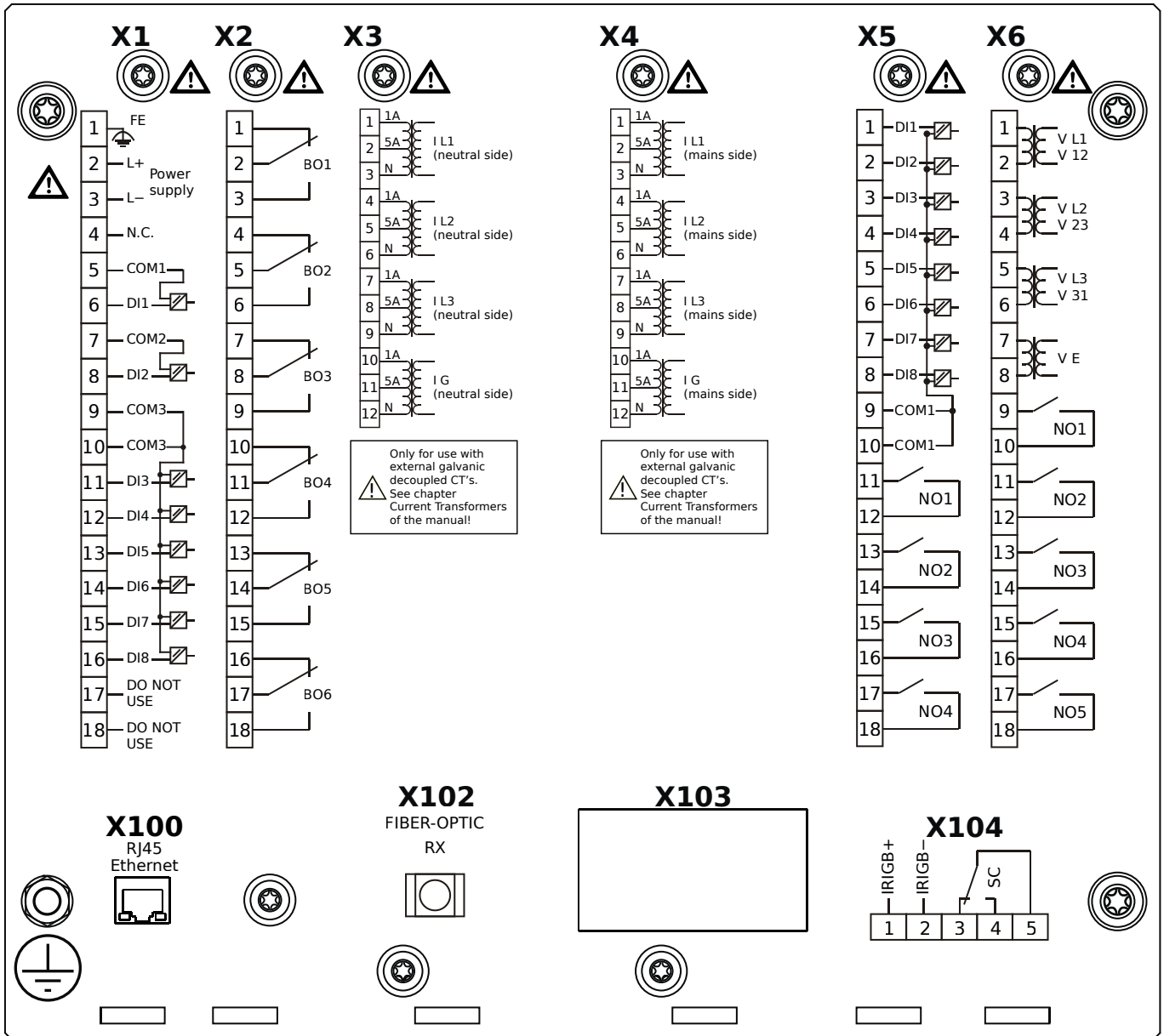
MCDGV4-2D0ACA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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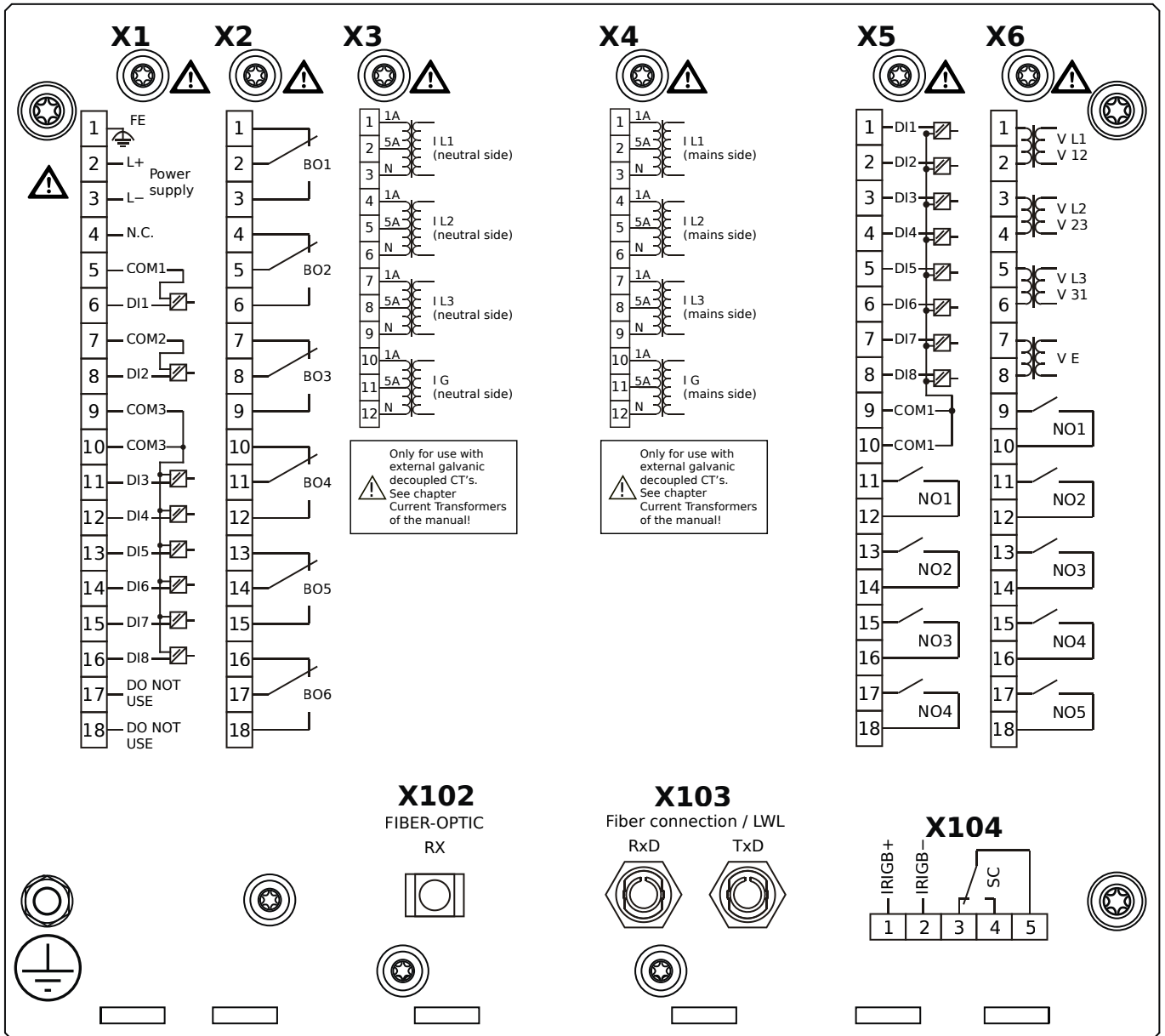


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
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- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

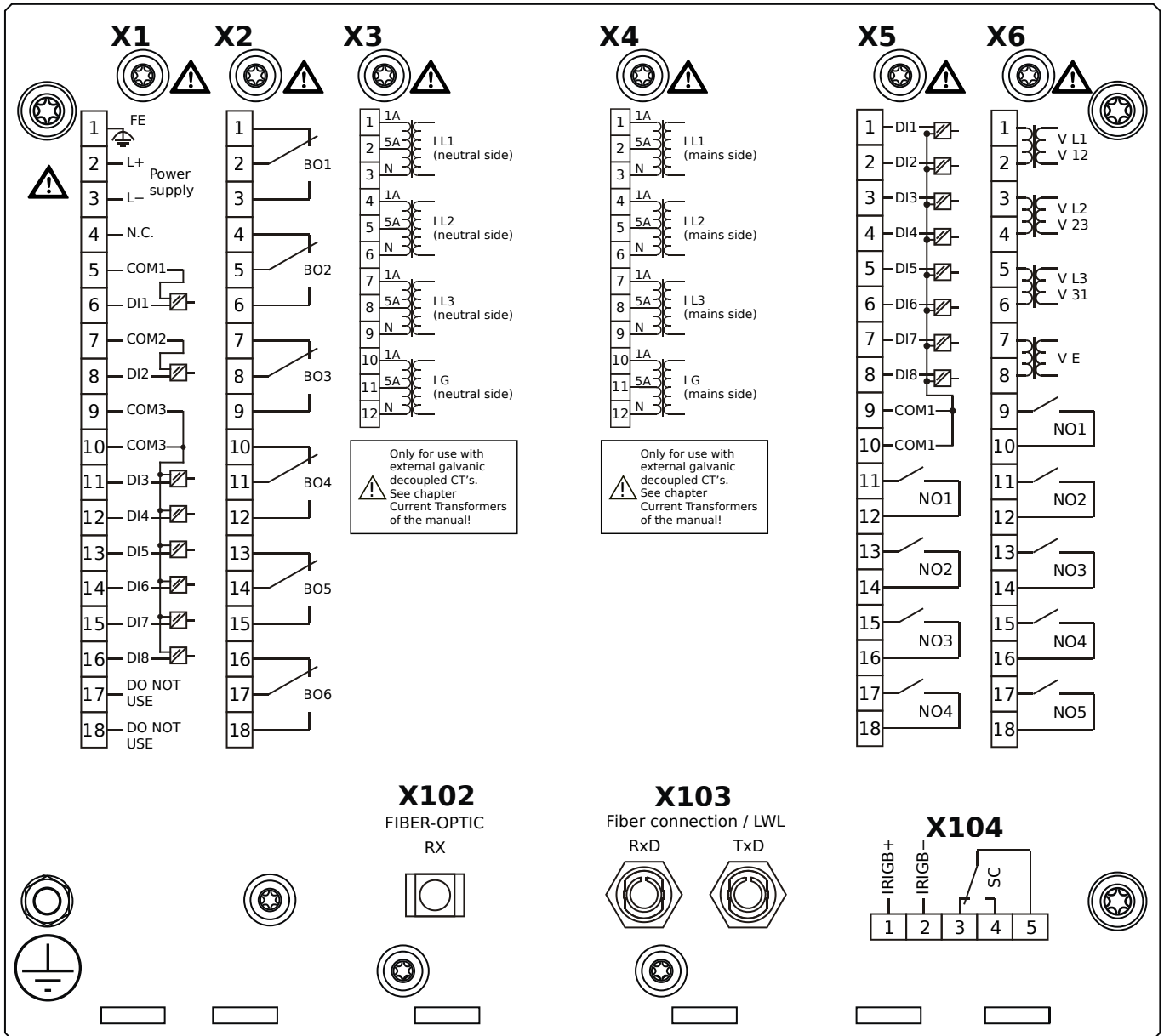
MCDGV4-2D0ADA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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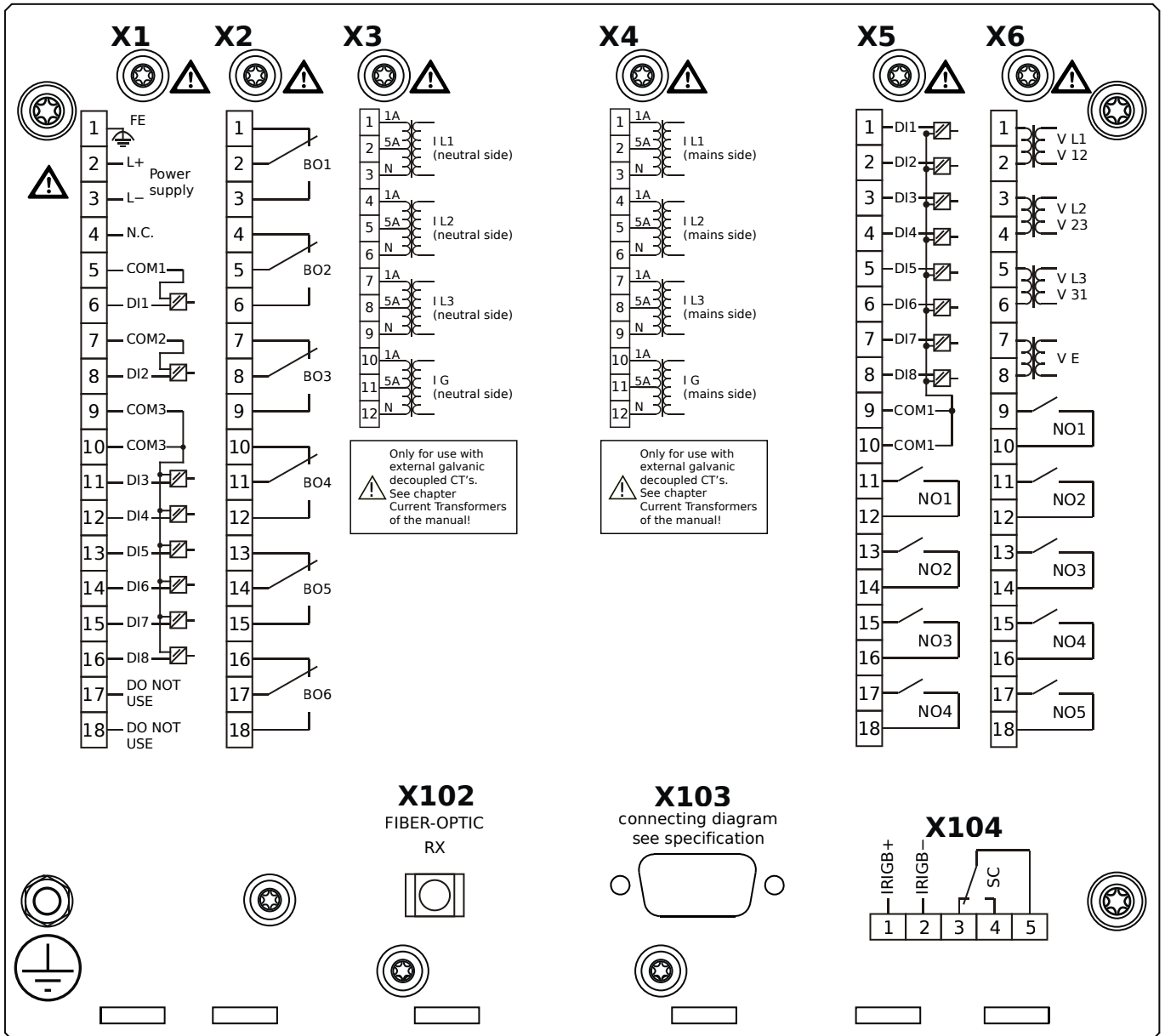


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

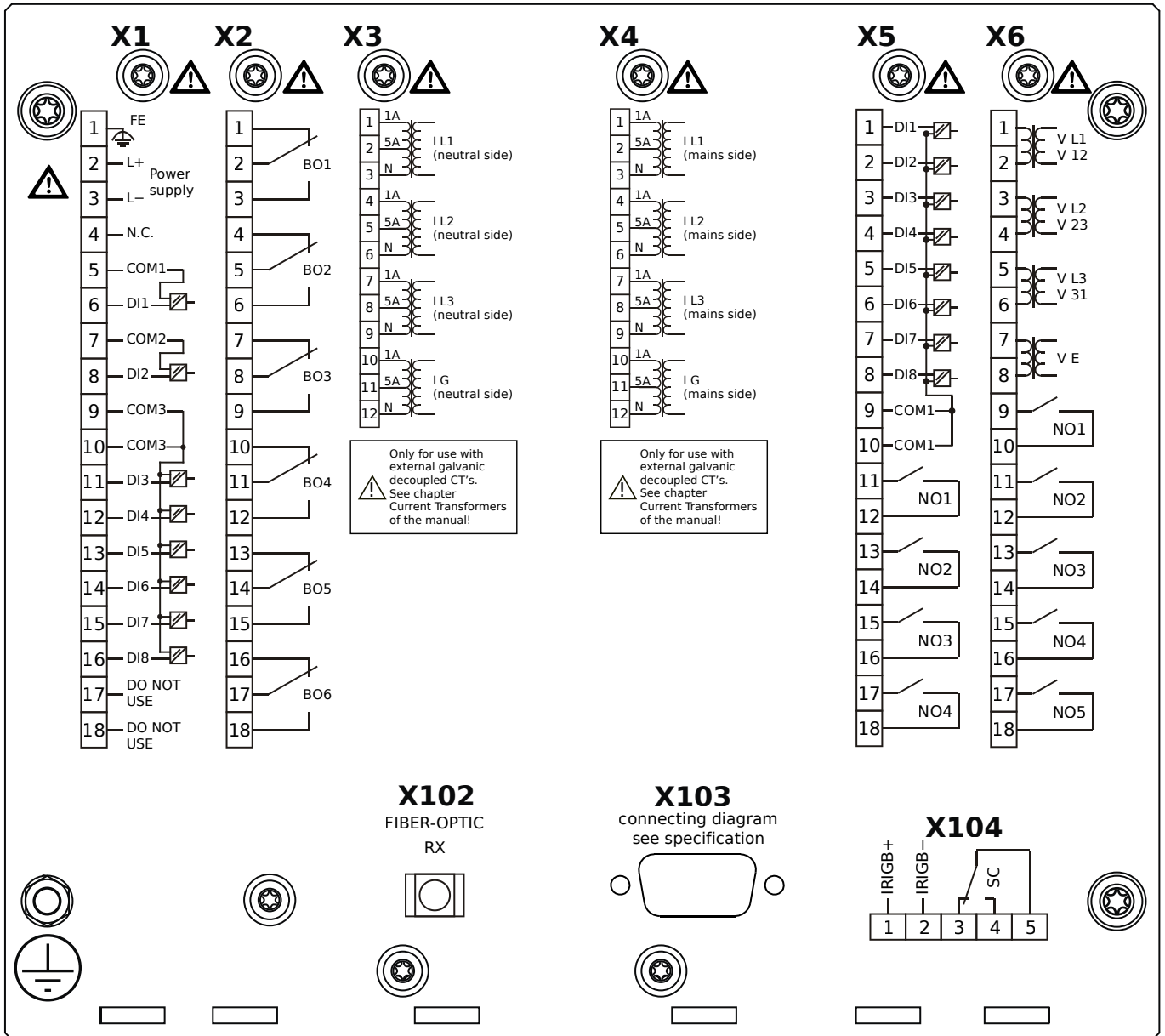
MCDGV4-2D0AEA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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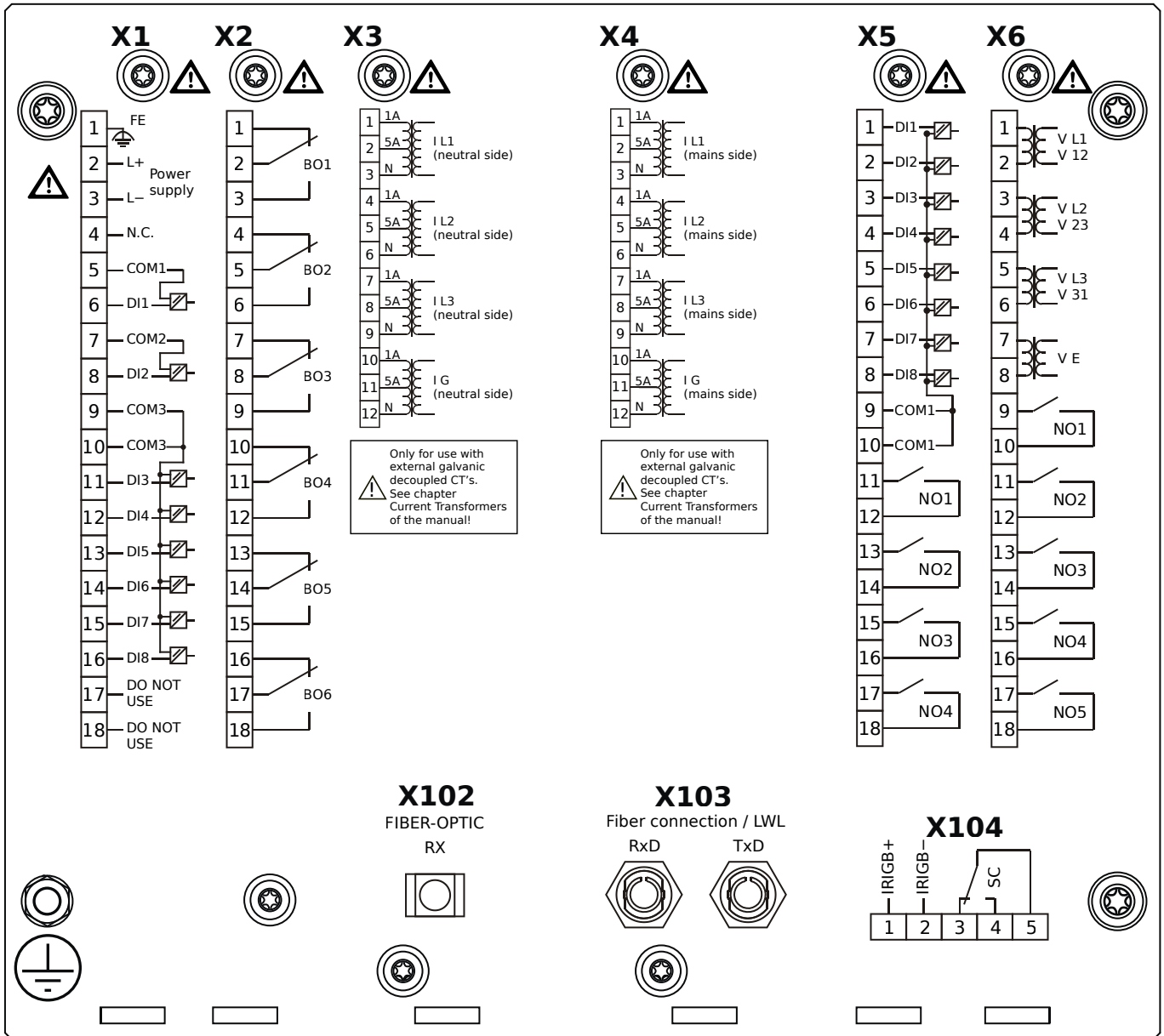


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

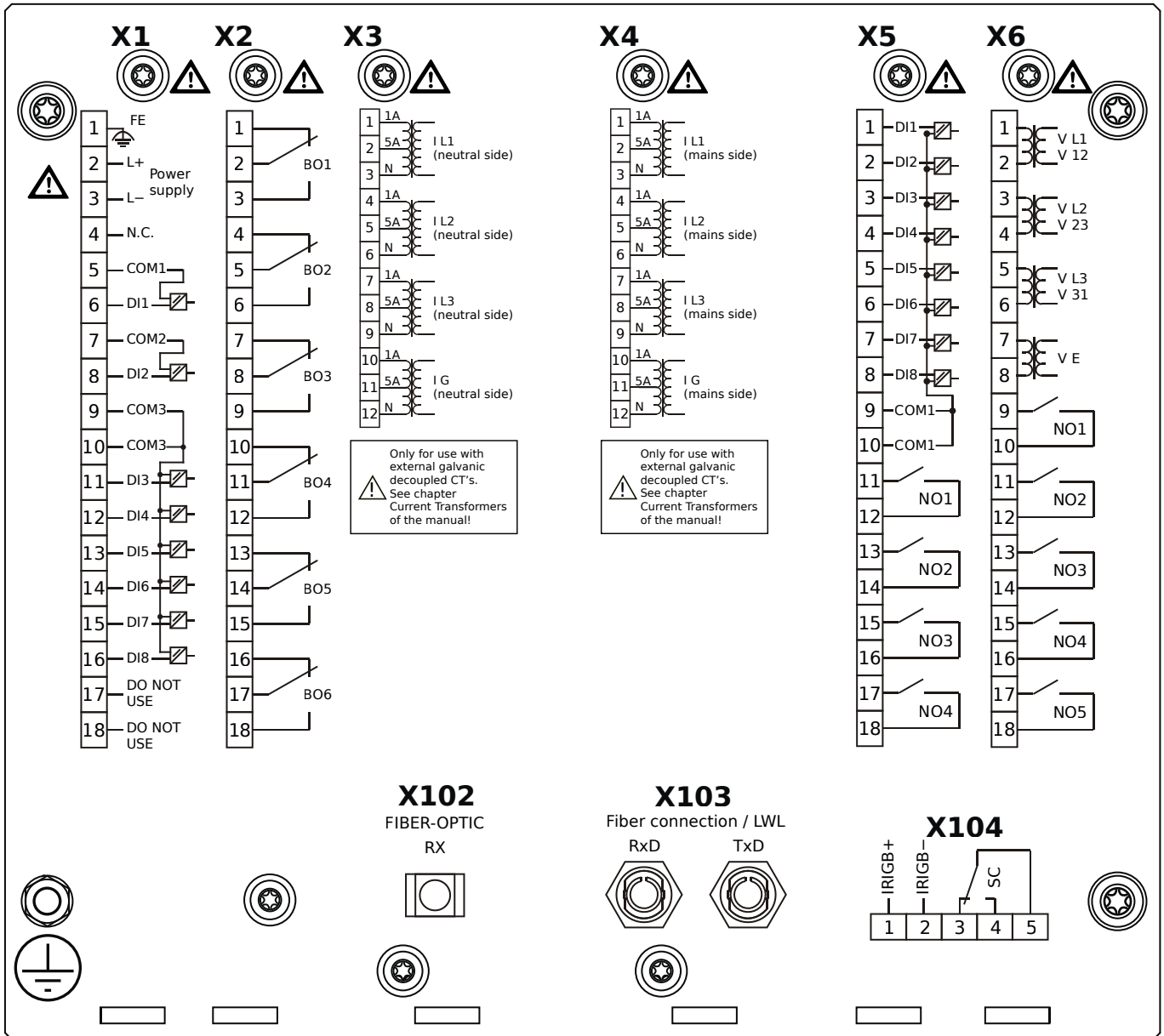
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Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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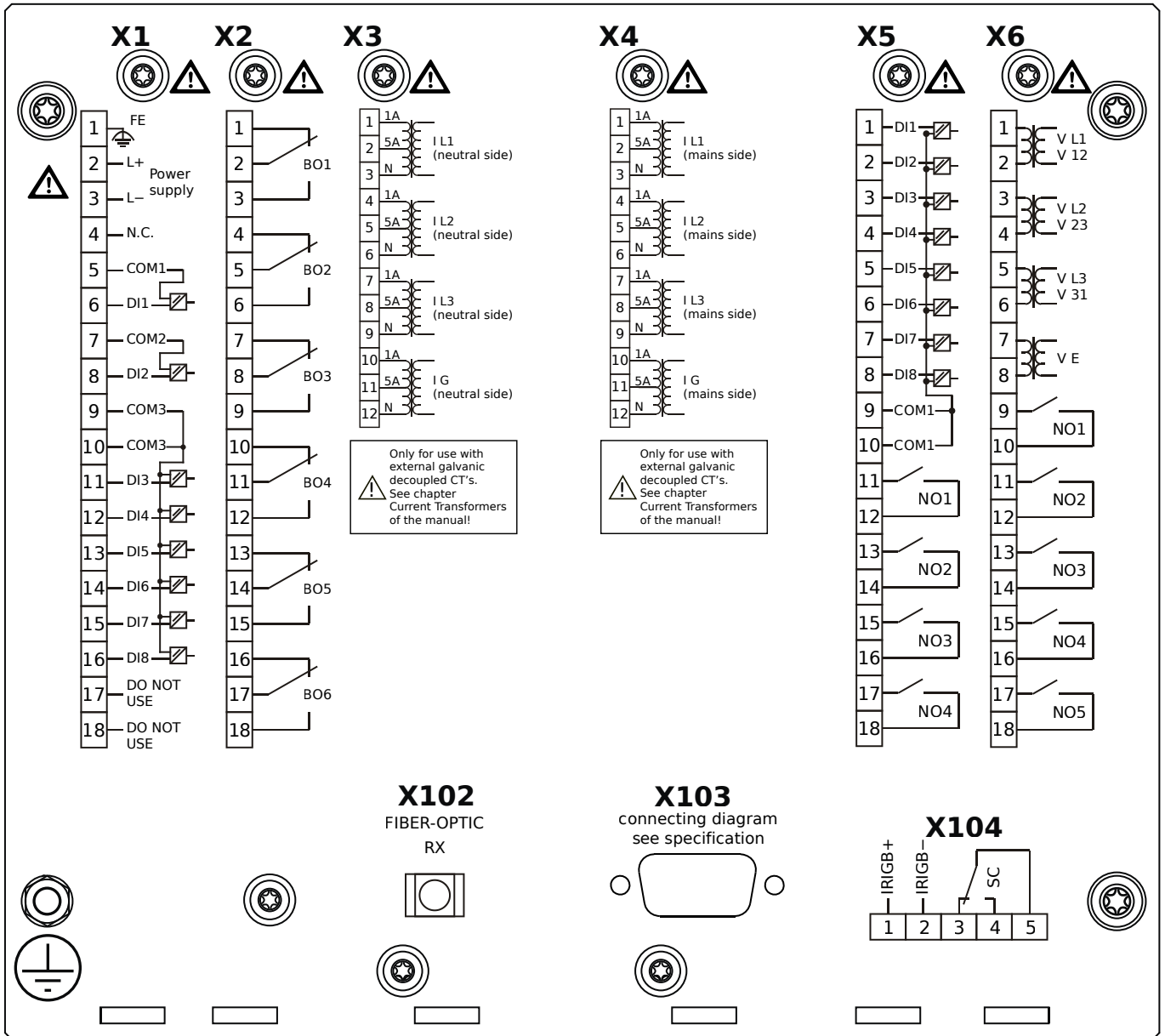


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

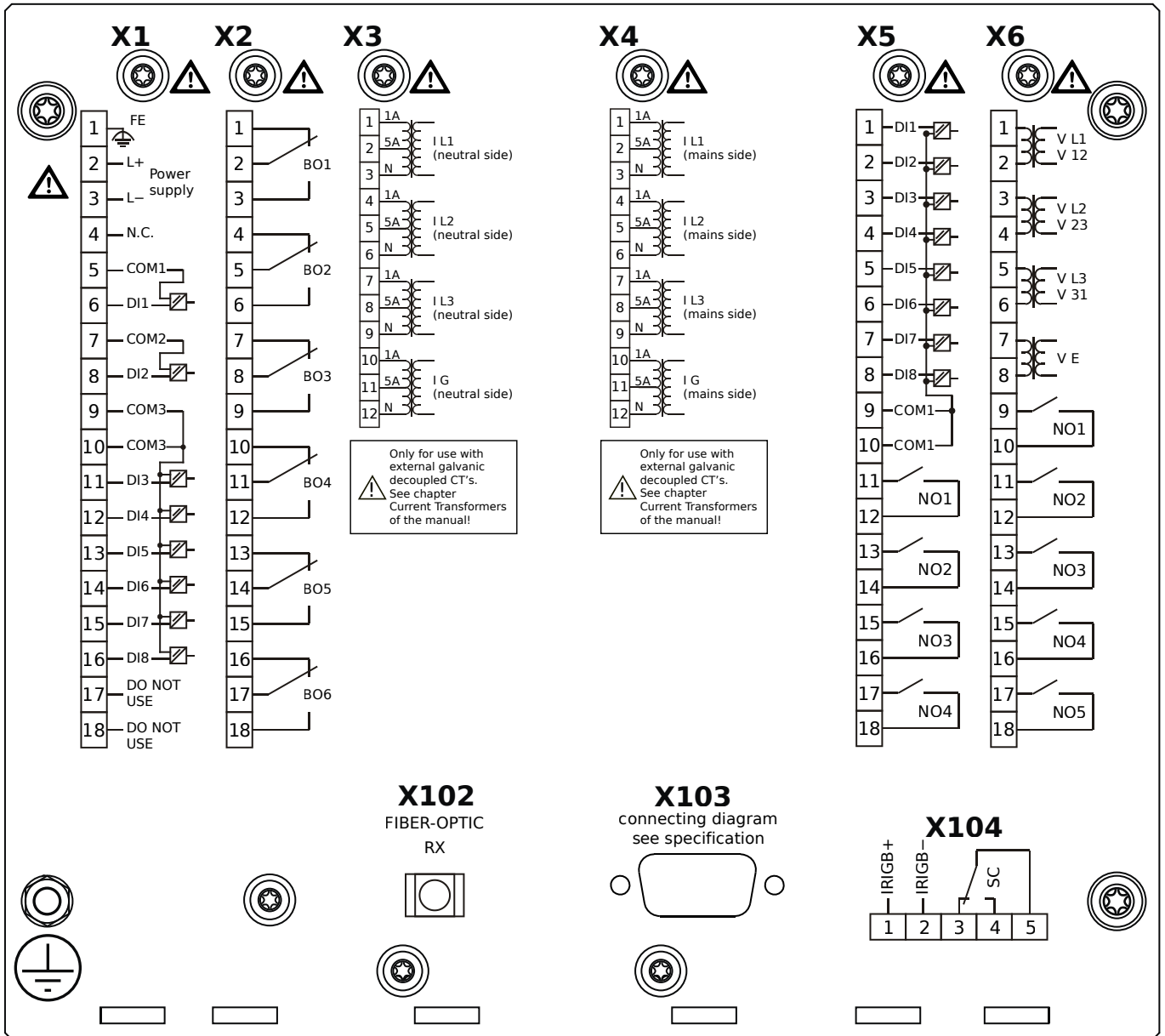
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Housing B2, large display, door mounting

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- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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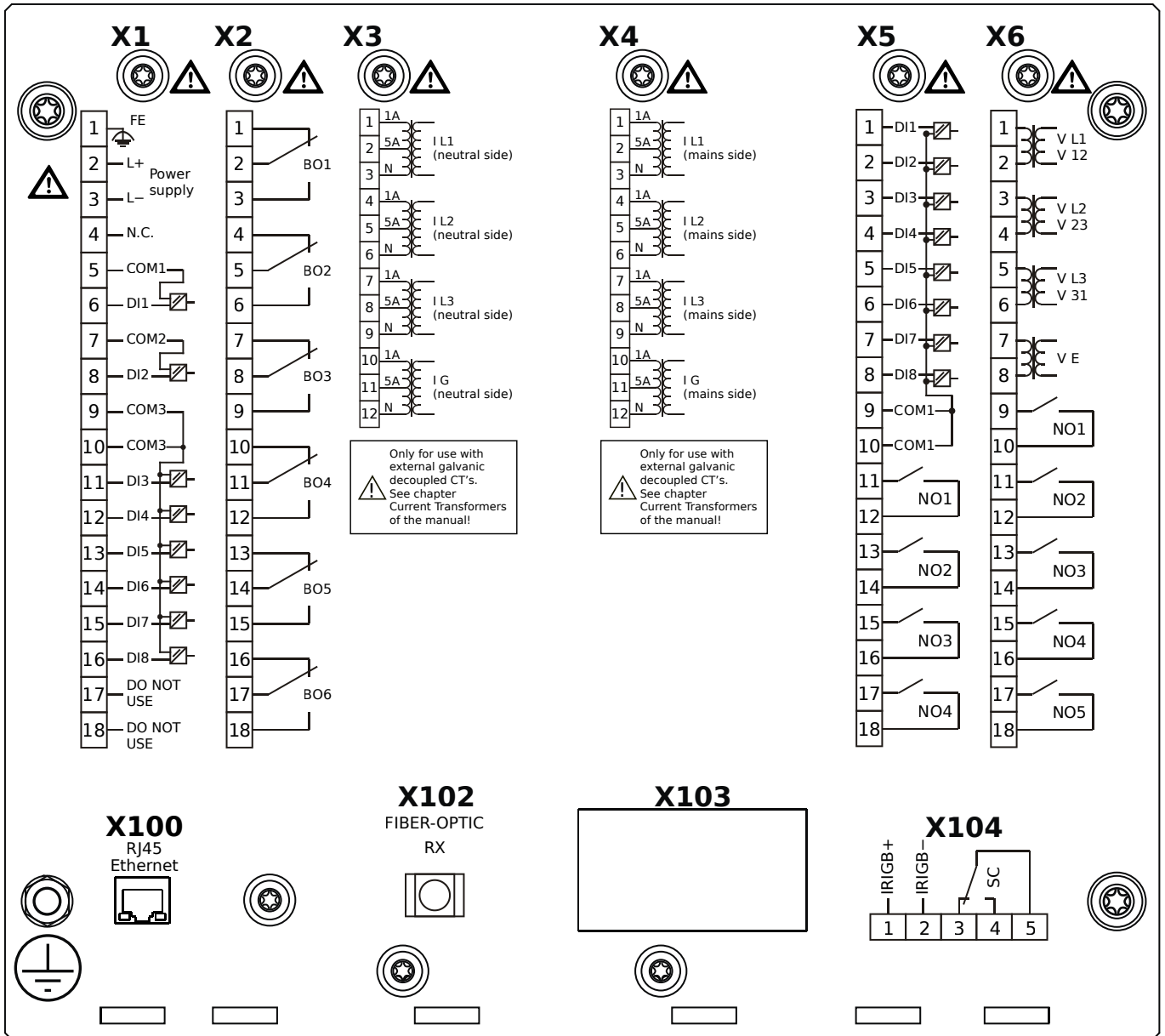


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

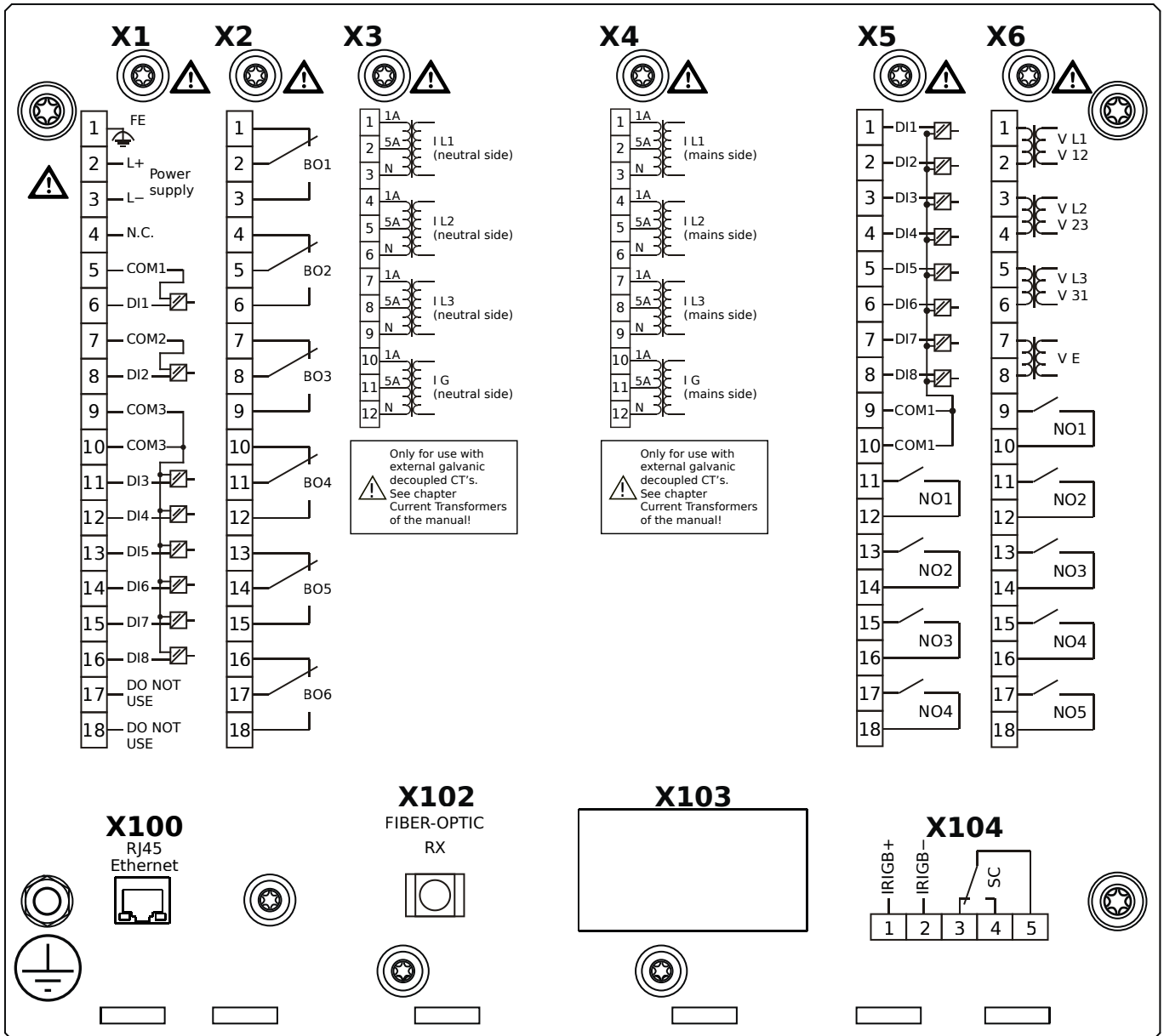
MCDGV4-2D0AHA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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 - X4** – TI: Standard current measuring card (for the mains side of the differential protection)
 - X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
 - X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
 - X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-
- FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
 - X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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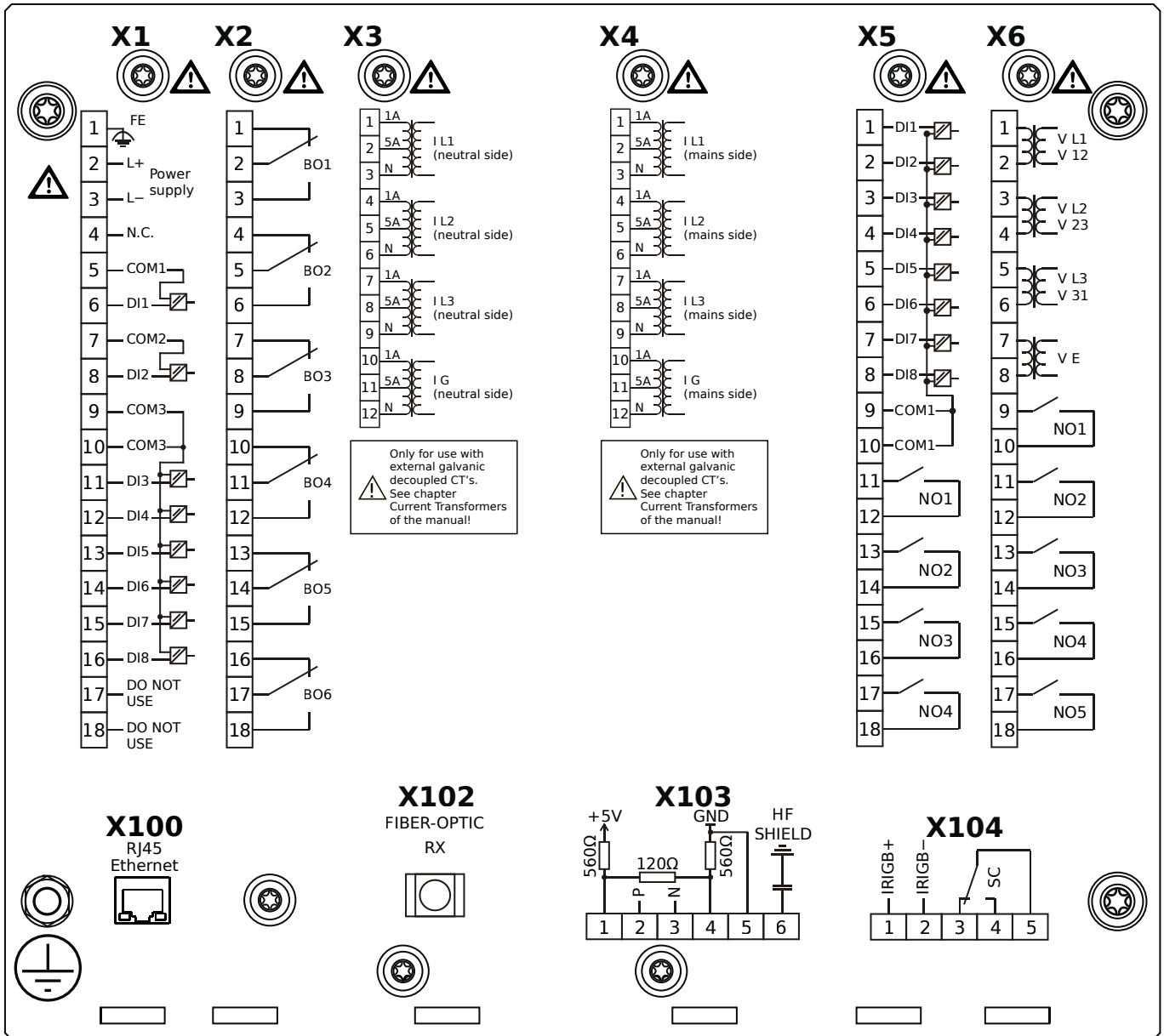


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

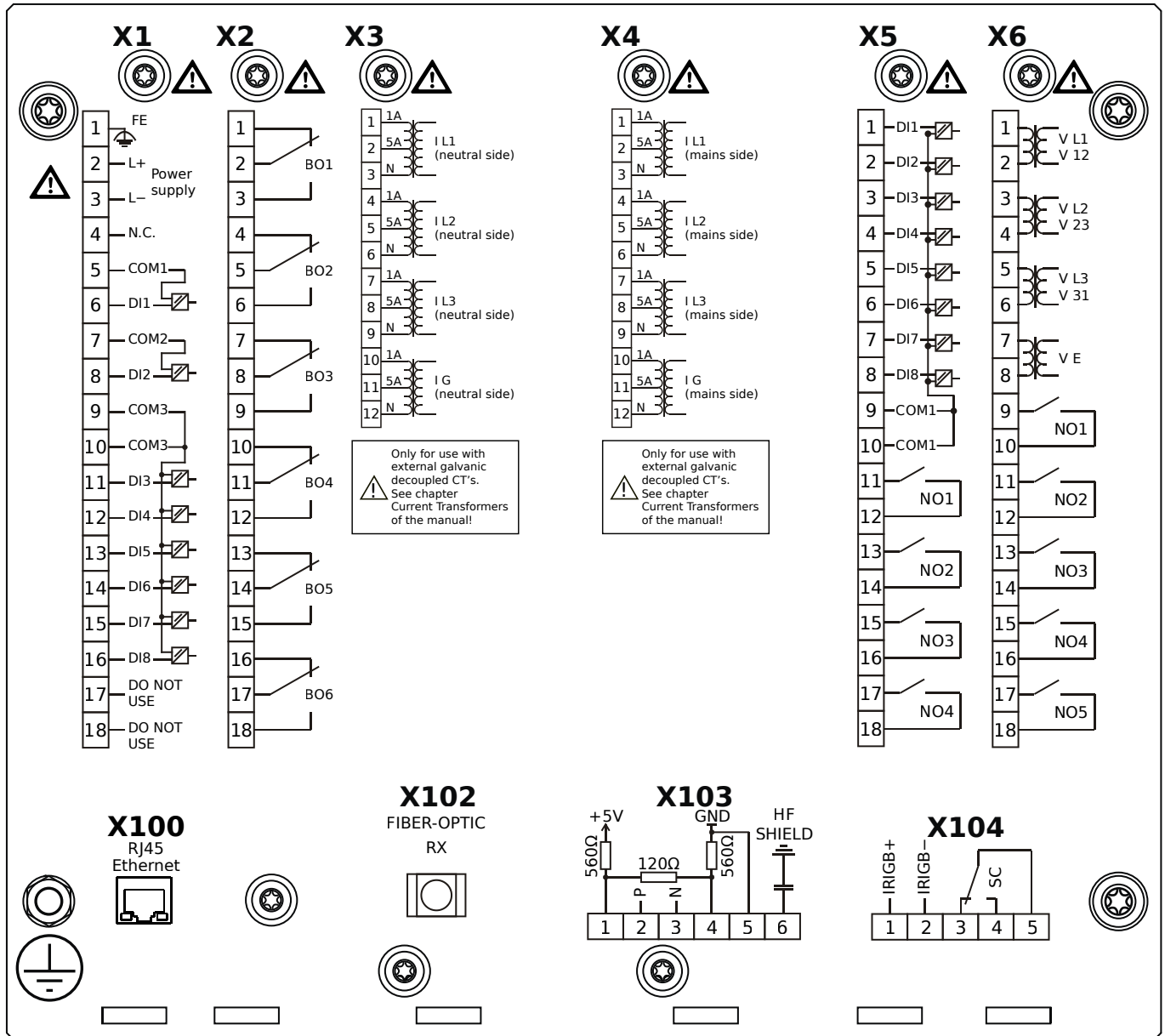
MCDGV4-2D0AIA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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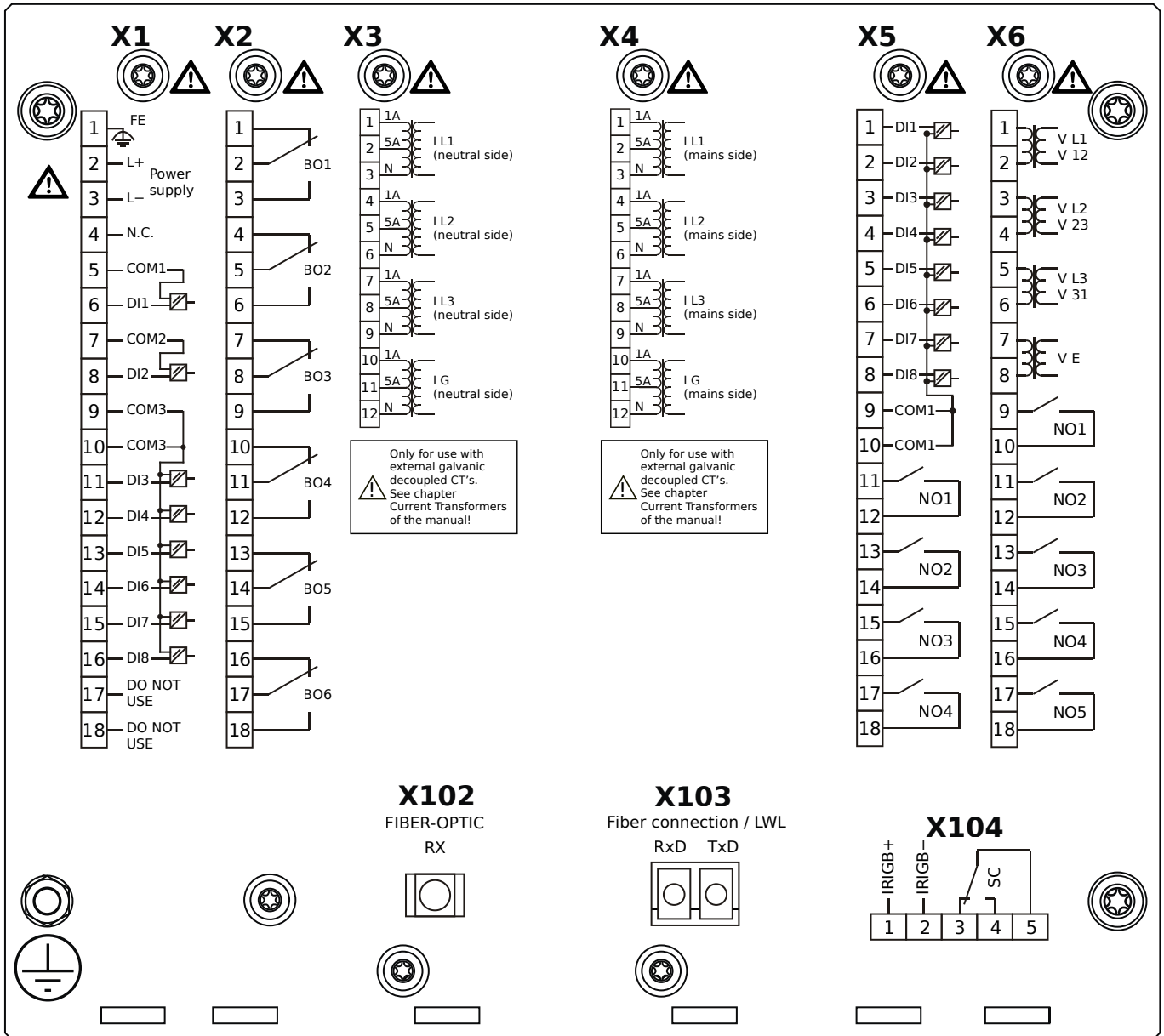


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

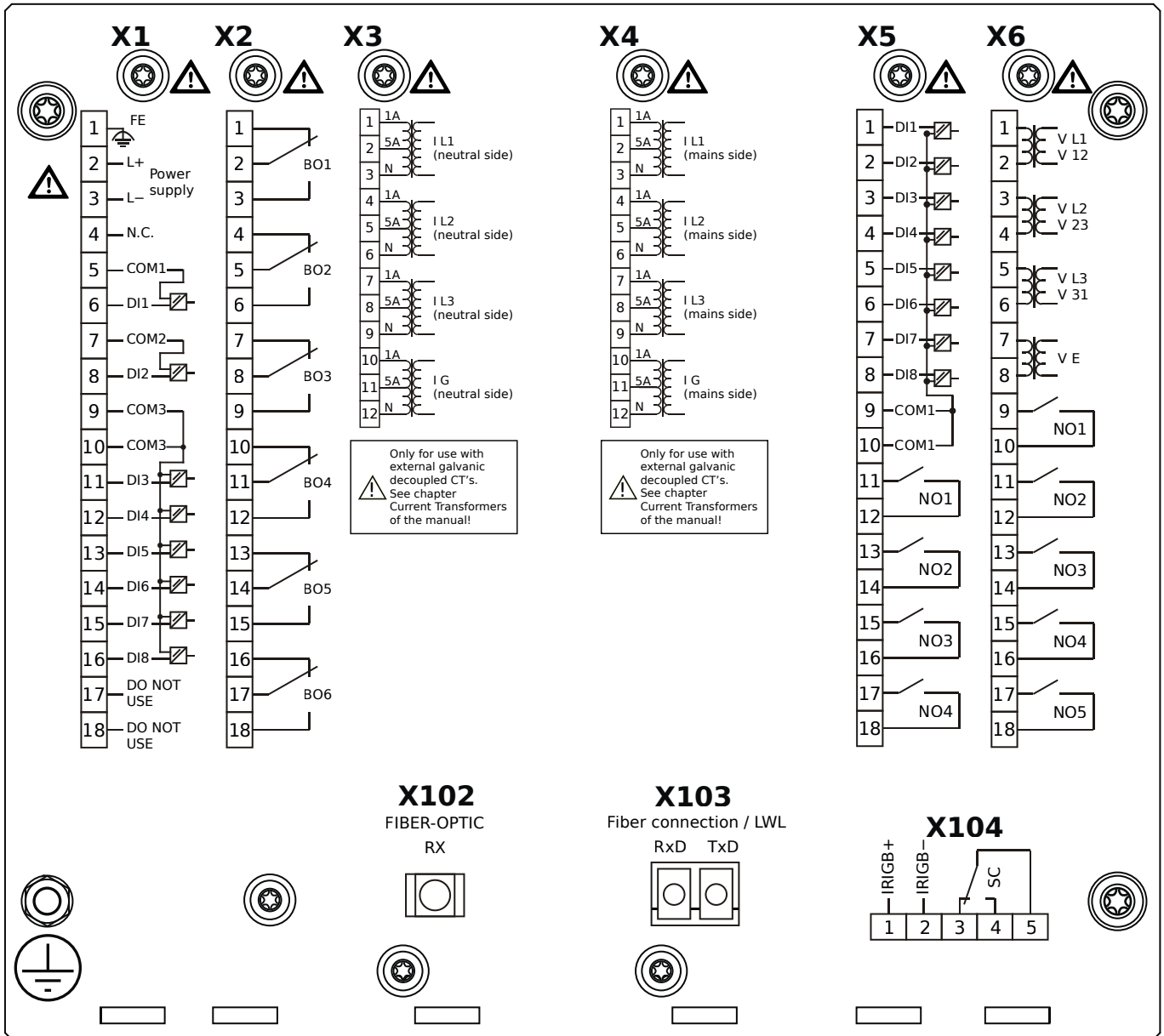
MCDGV4-2D0AKA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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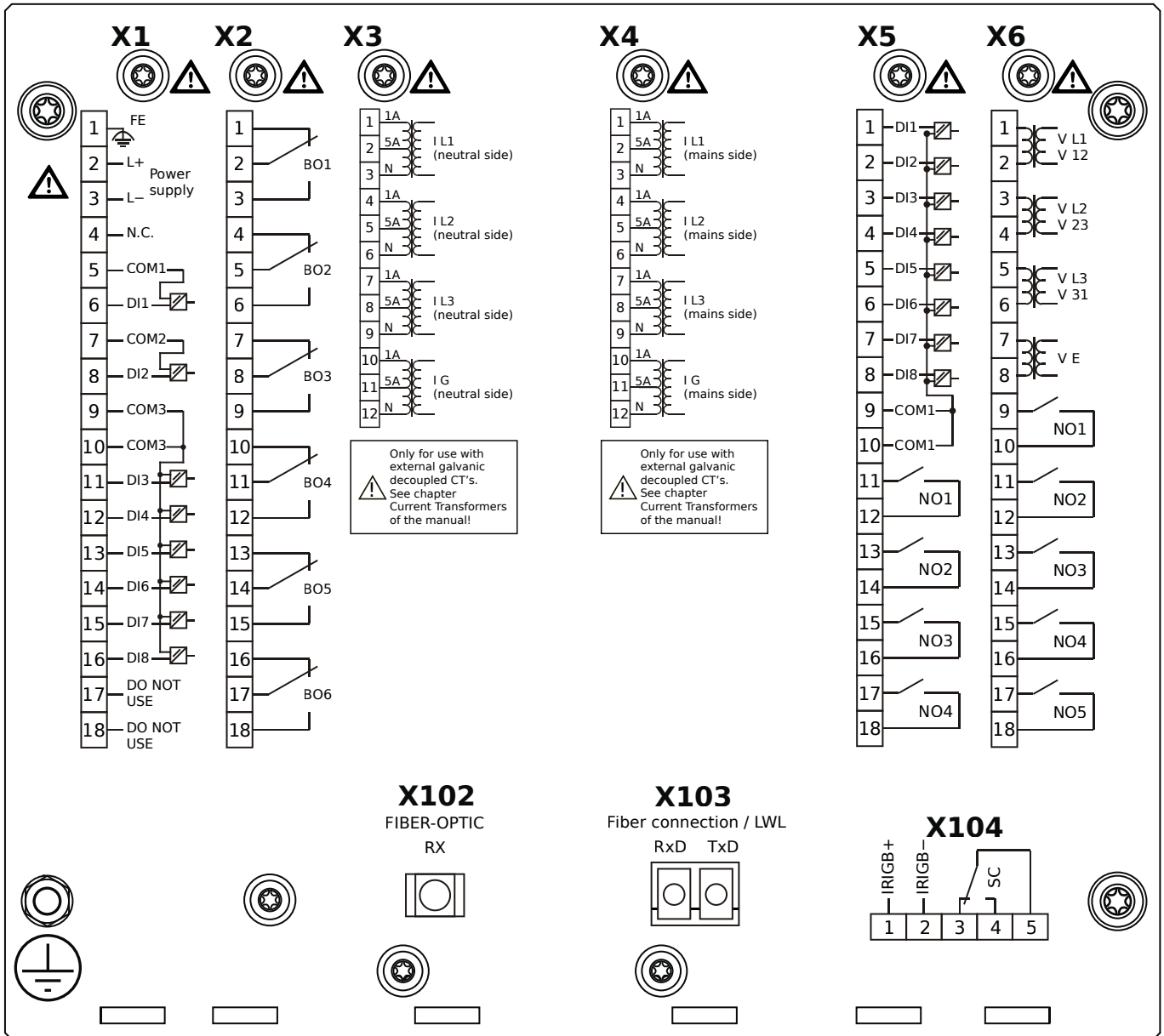


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

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- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

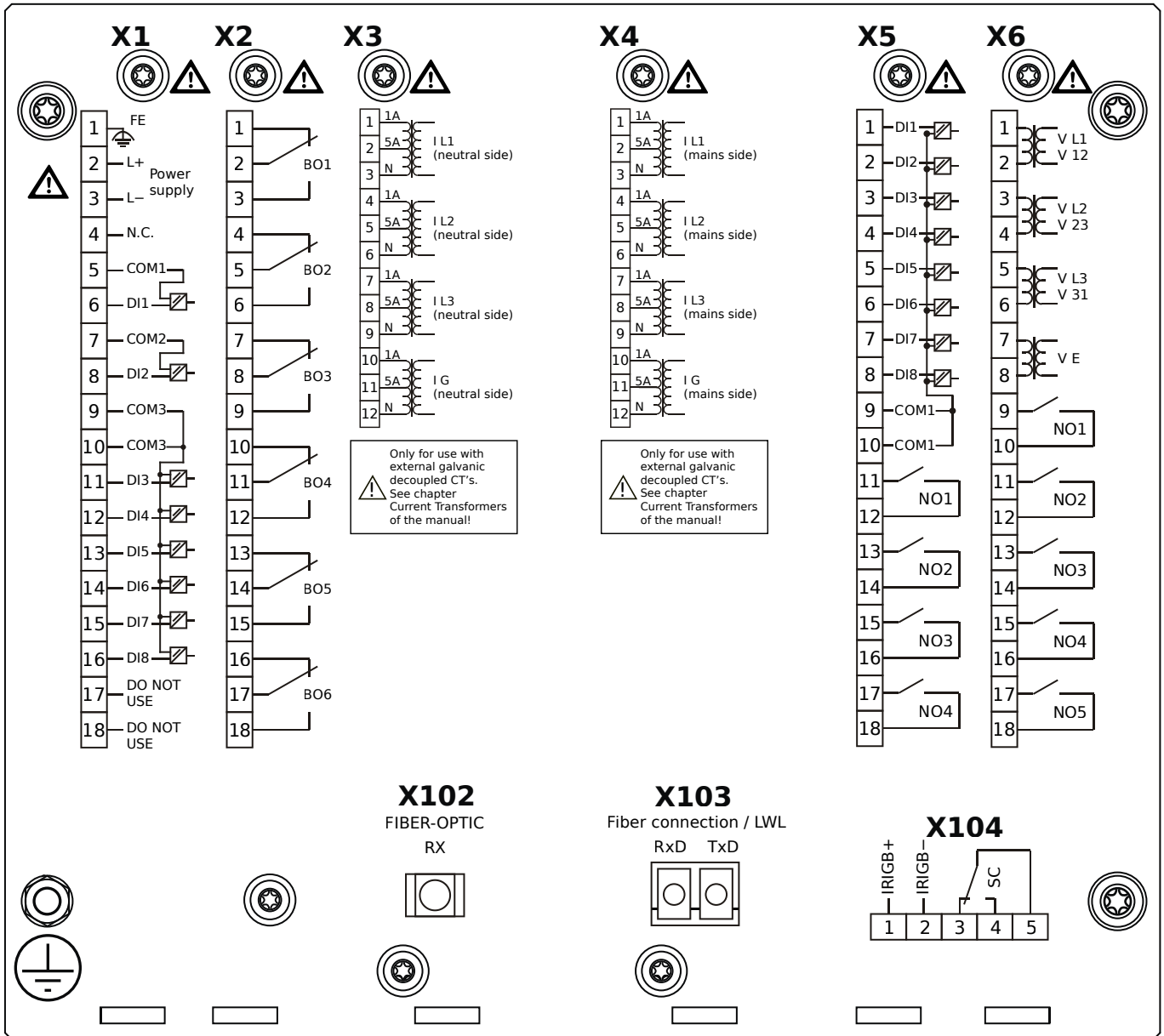
MCDGV4-2D0ALA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D0ALB

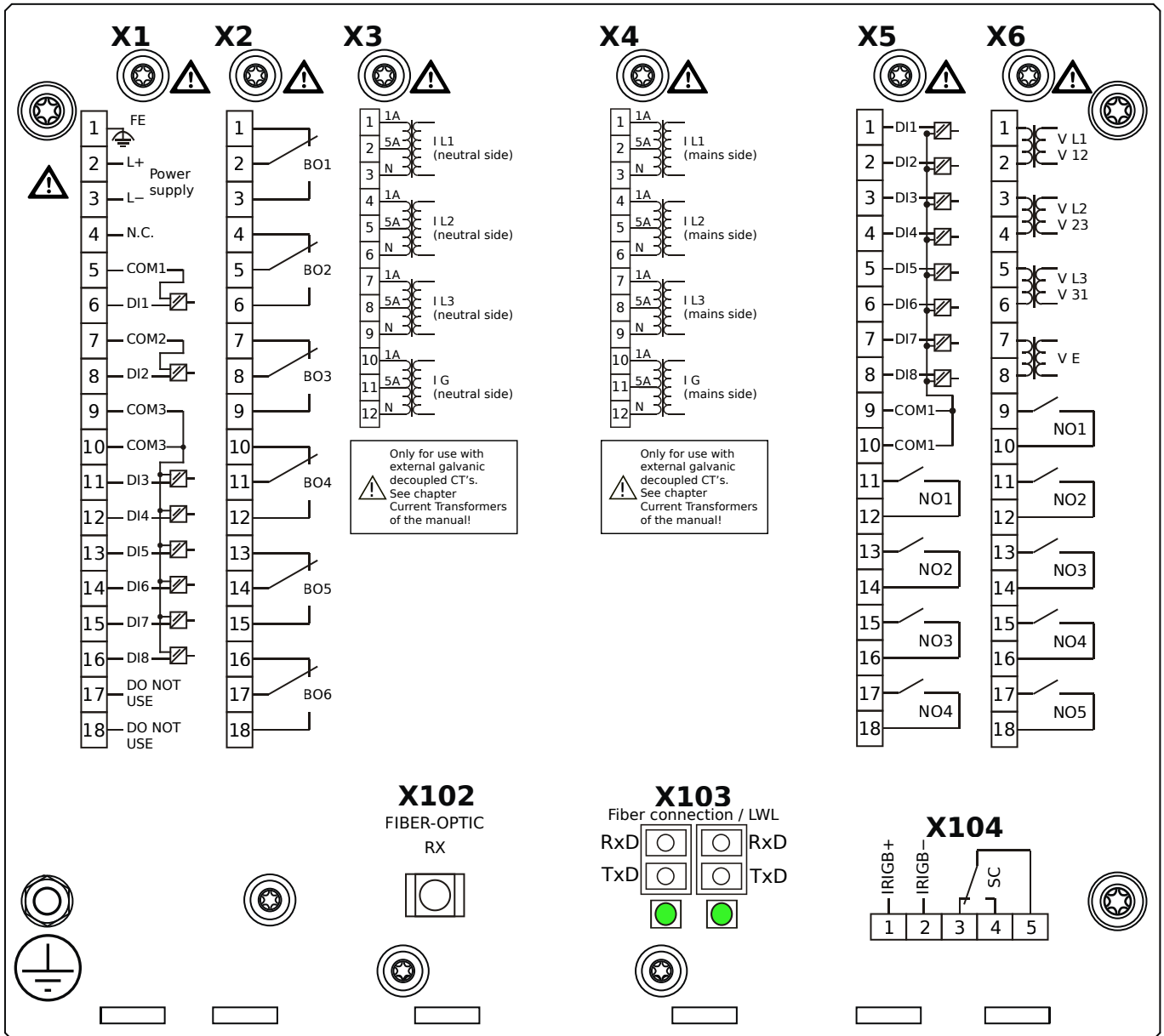


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

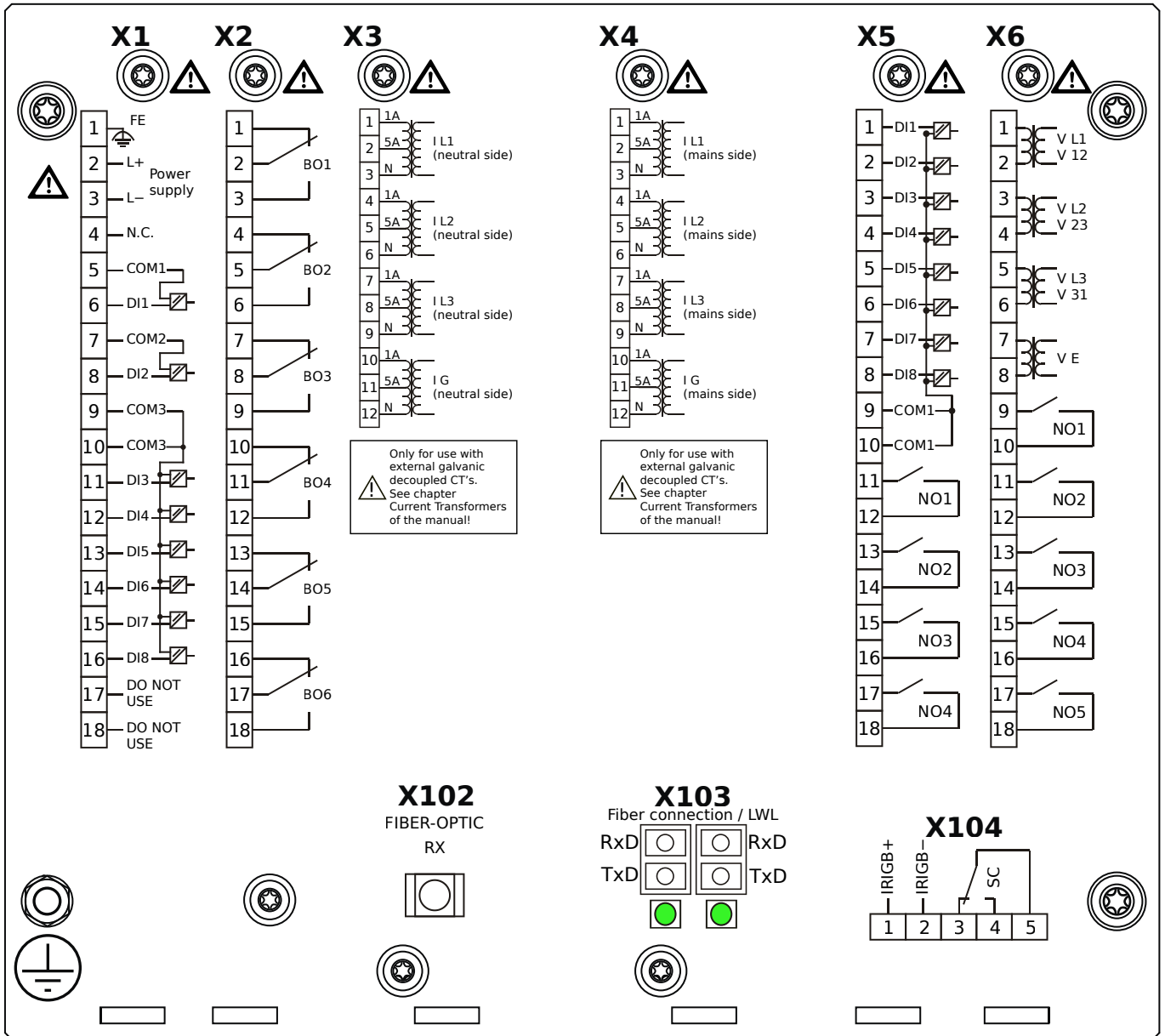
MCDGV4-2D0AOA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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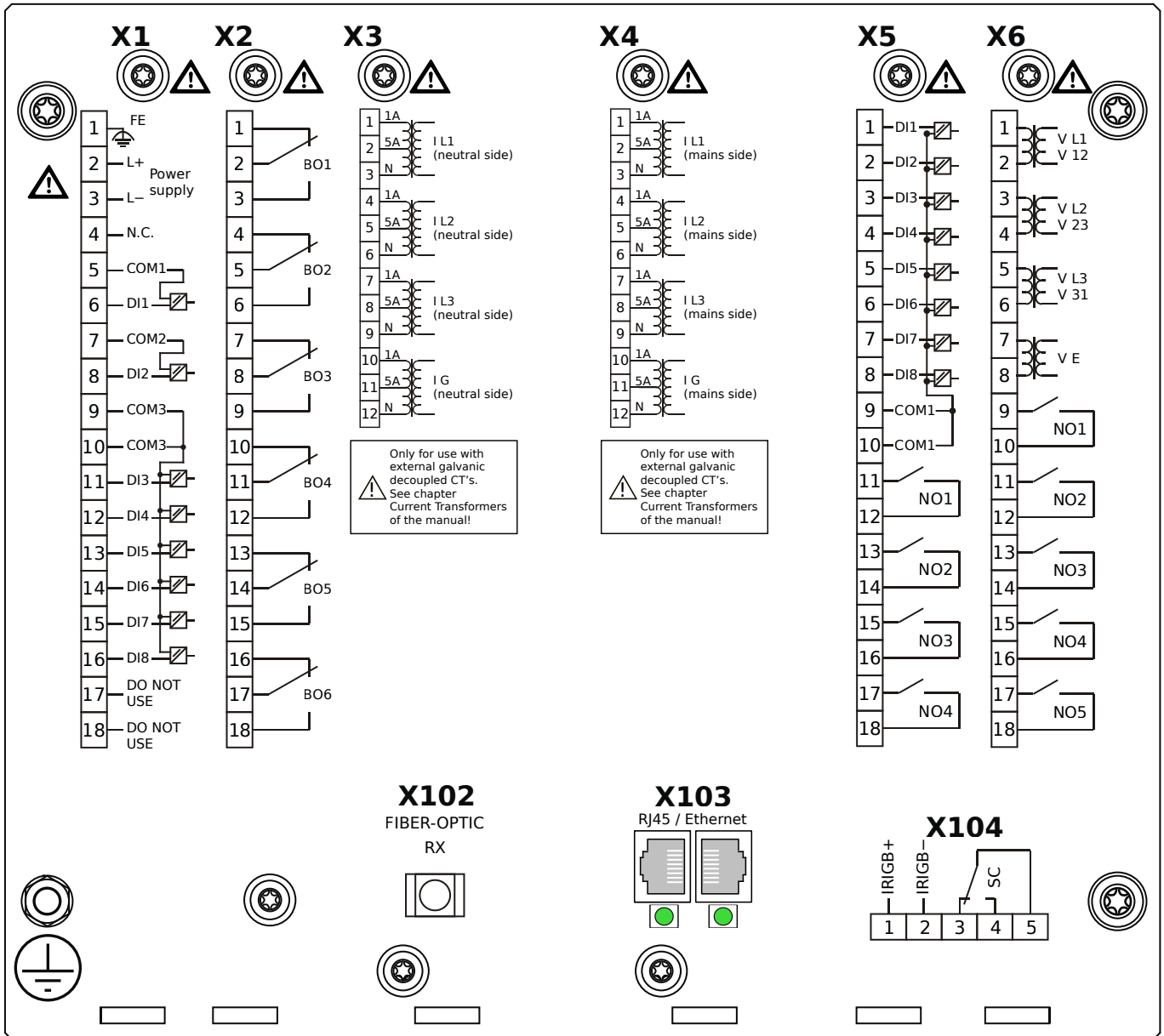


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

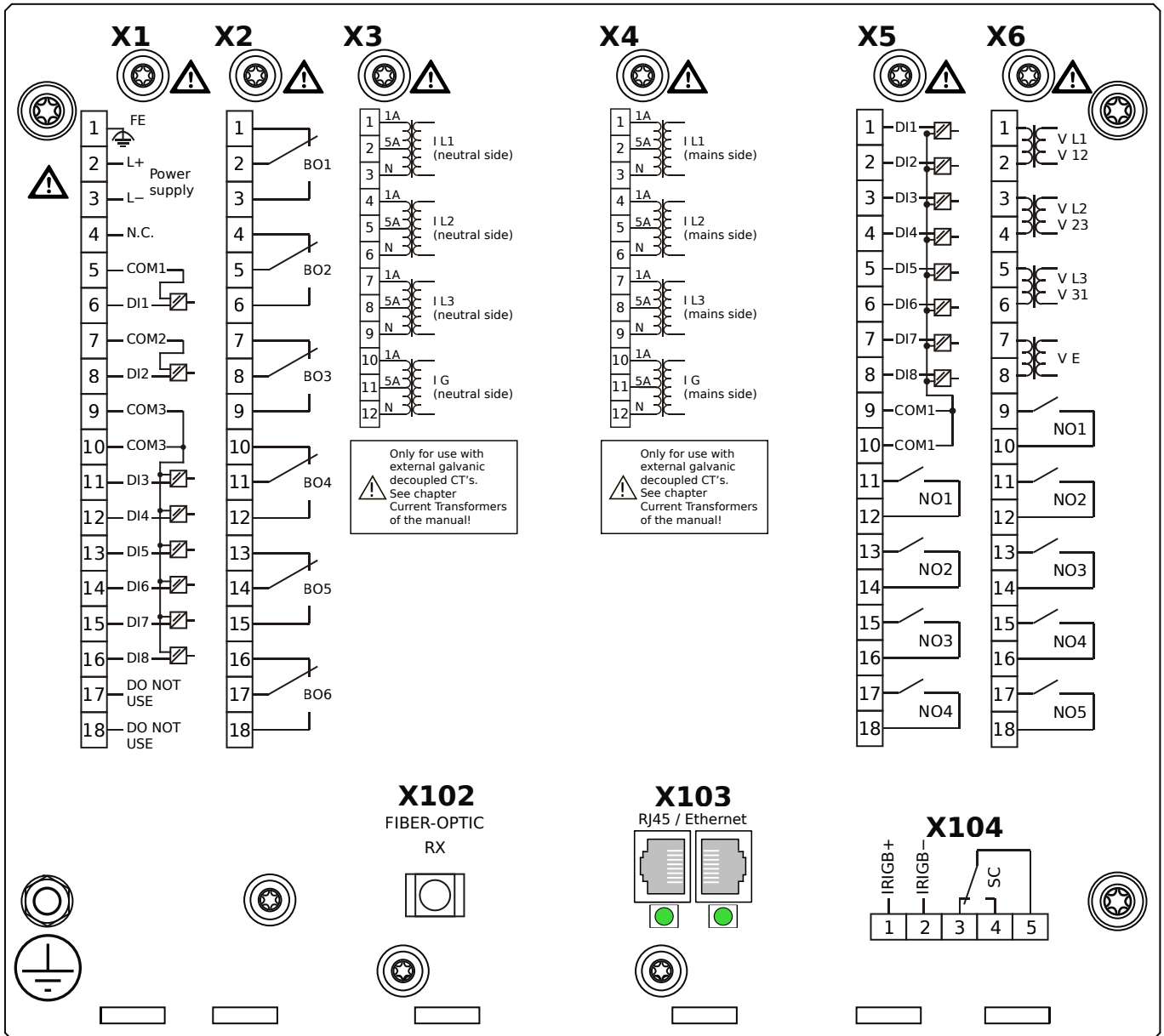
MCDGV4-2D0APA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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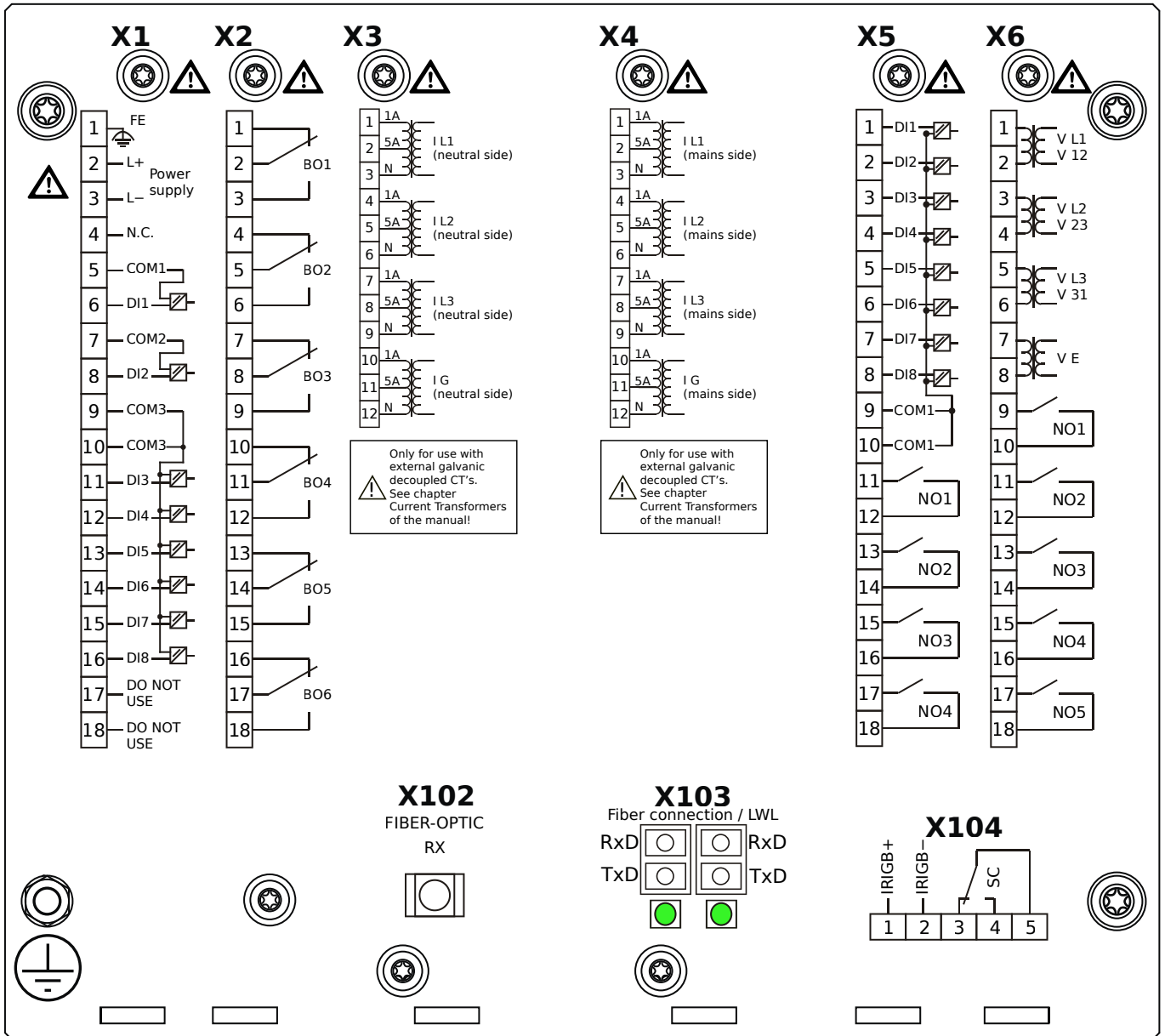


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
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- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

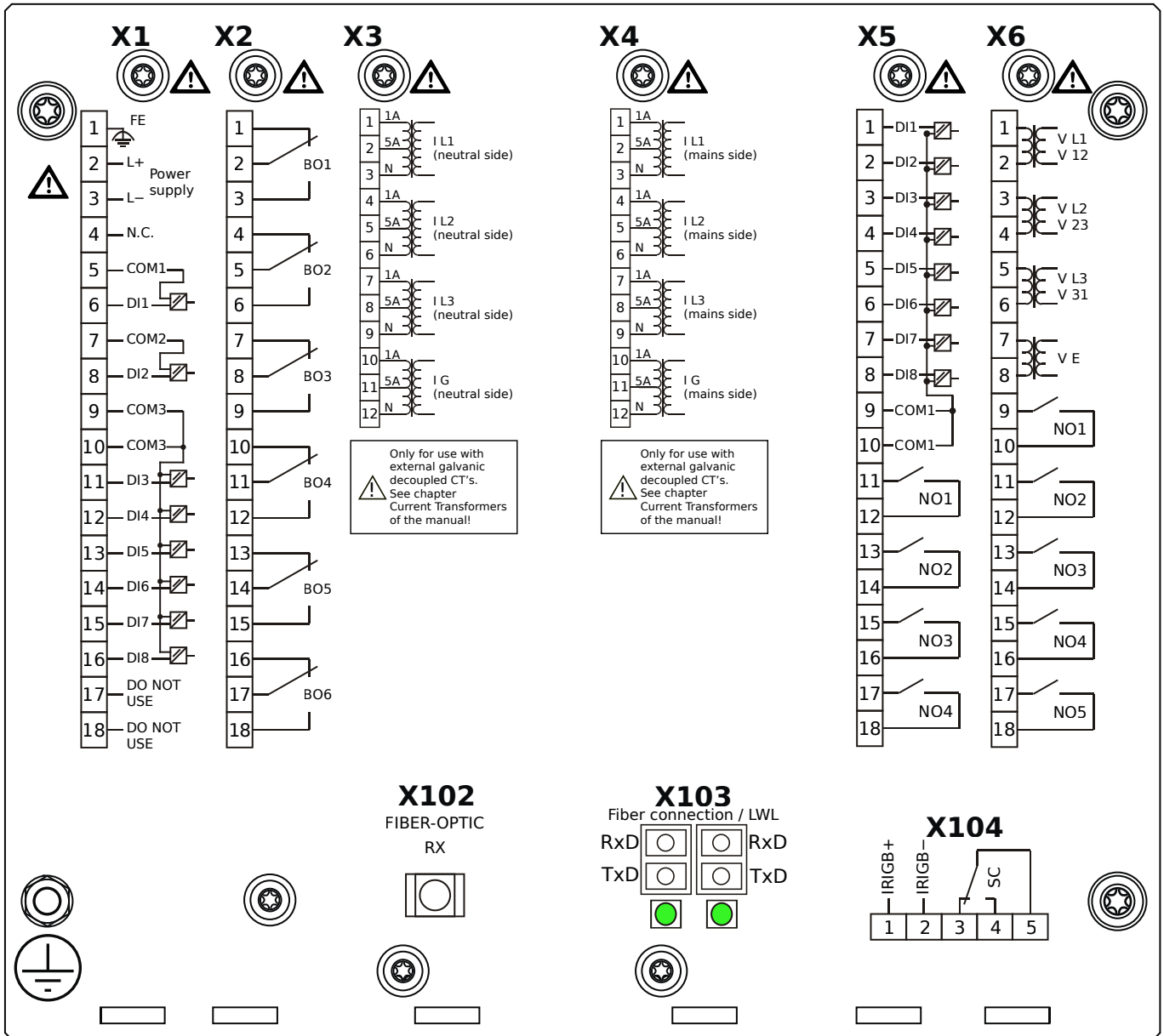
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Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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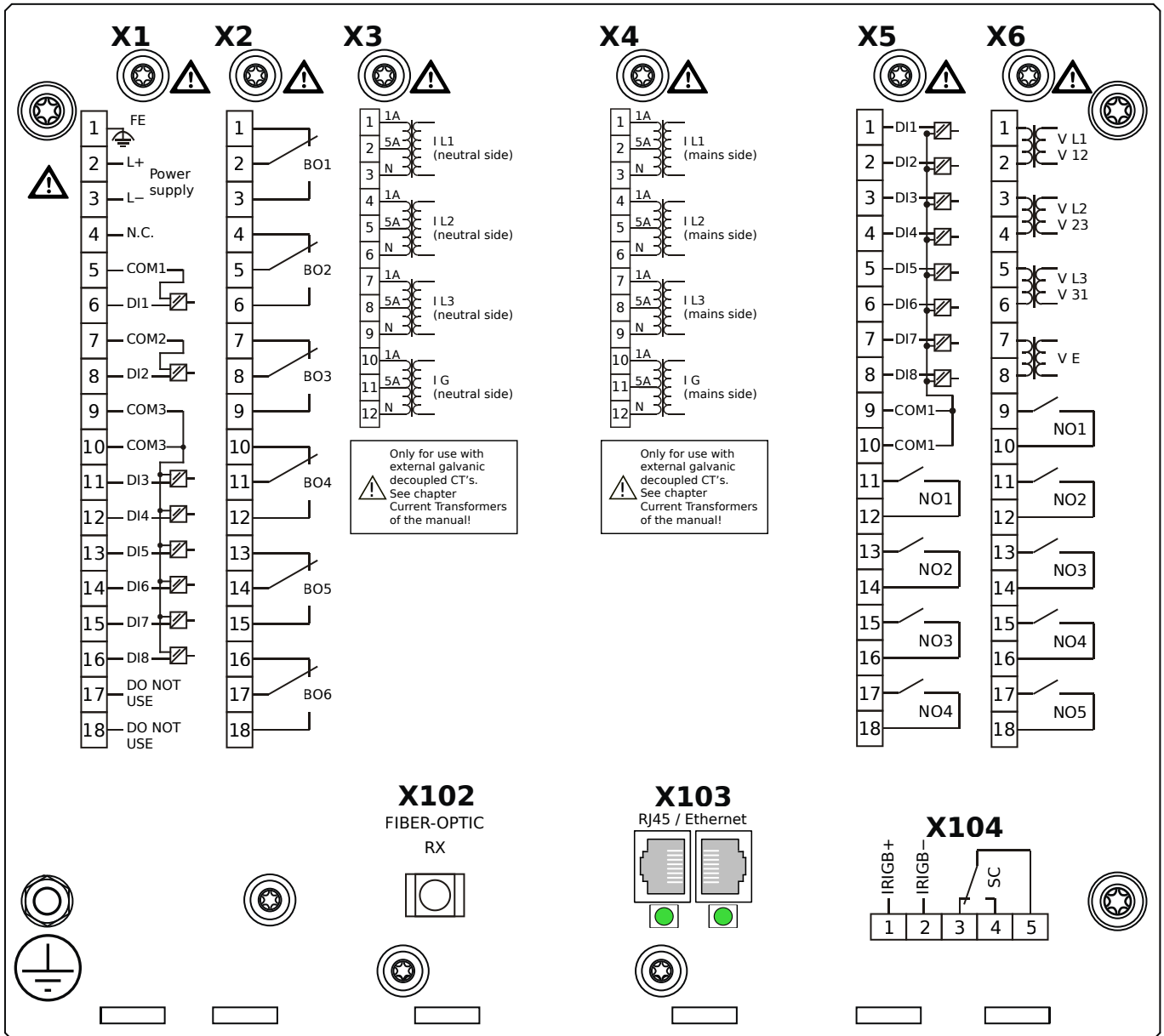


Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

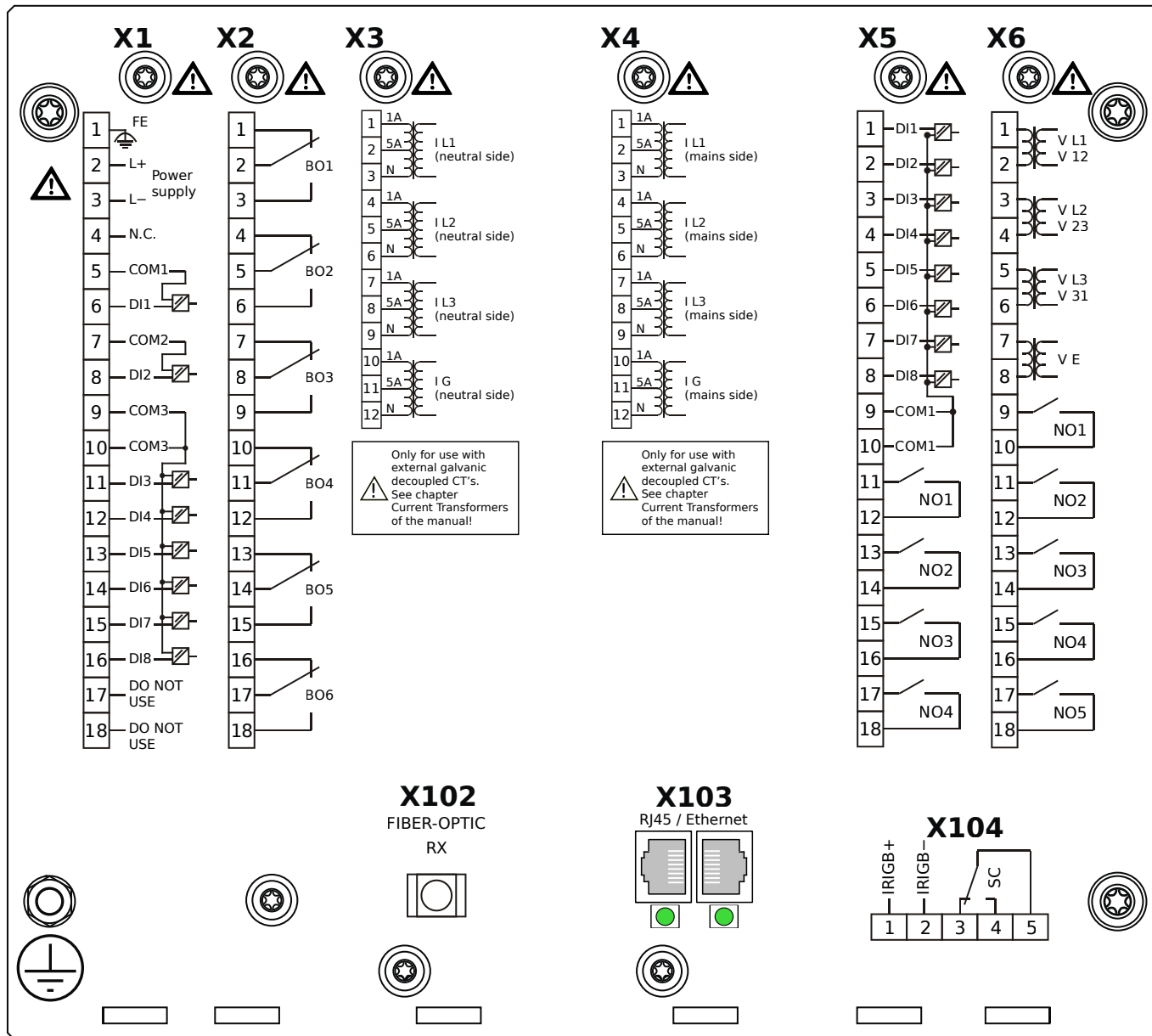
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Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D0ARB



Housing B2, large display, door mounting

- + Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TI: Standard current measuring card (for the neutral side of the differential protection)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)

X6 – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)

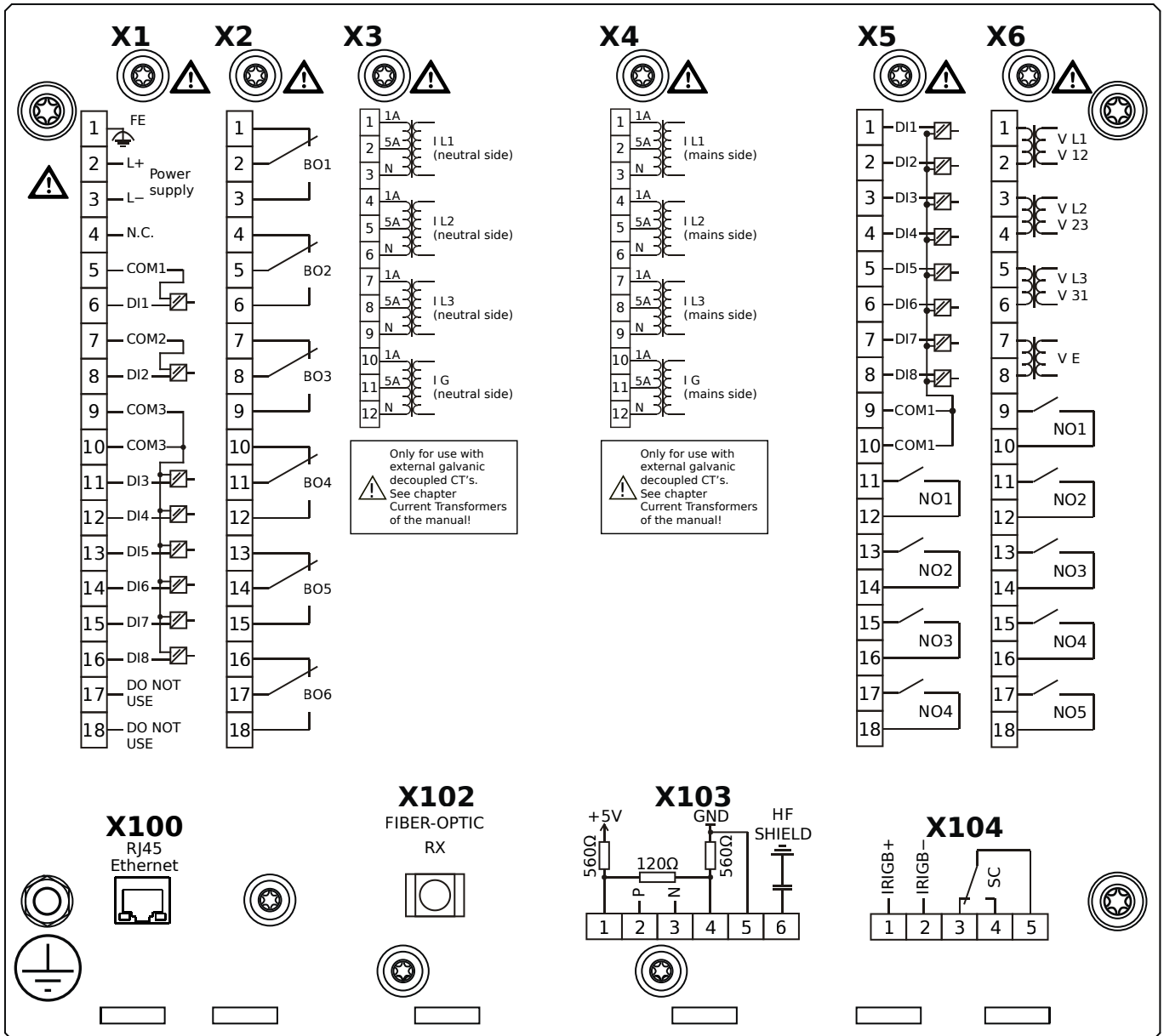
X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45

(BASE100-FX)

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

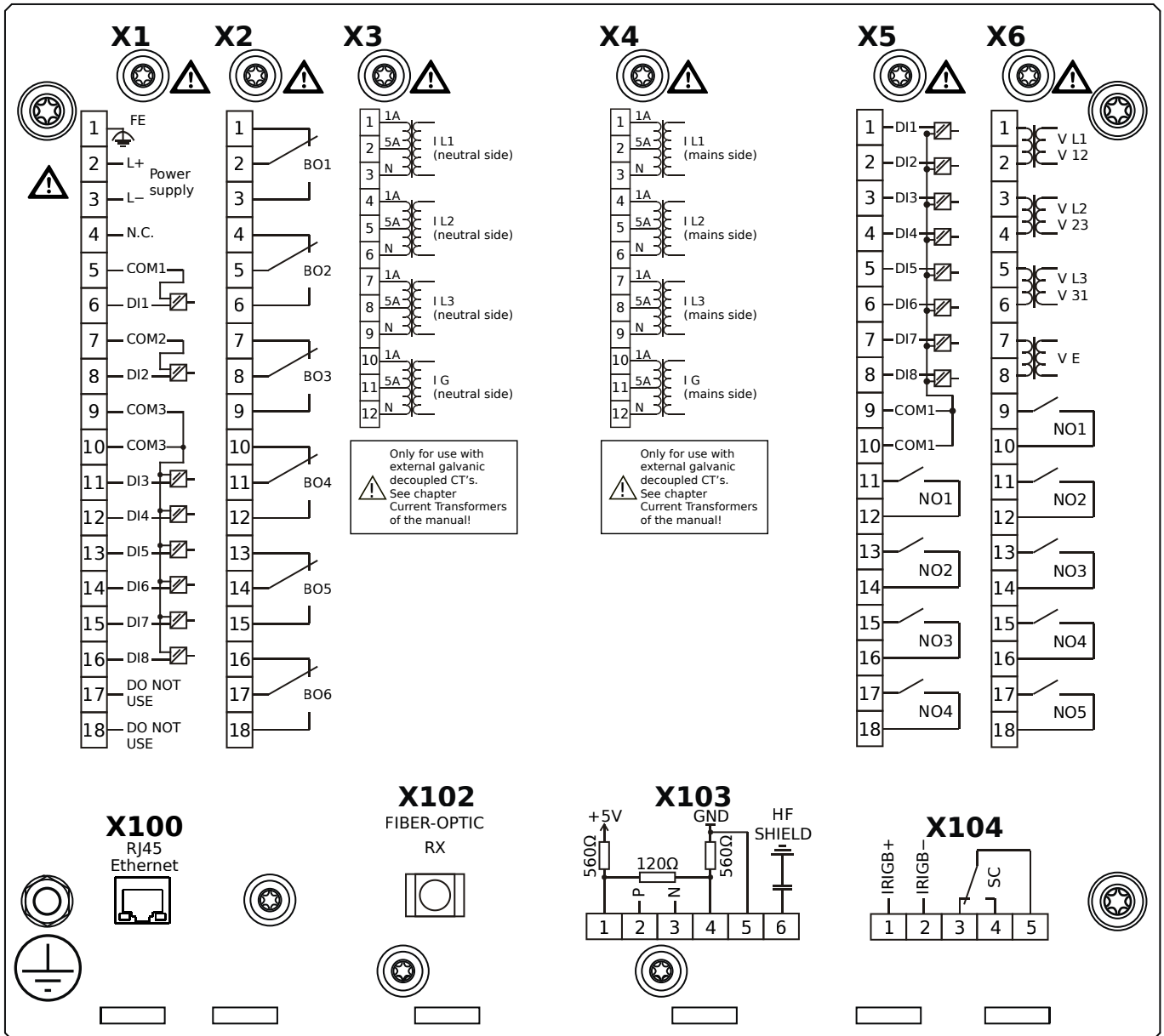
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Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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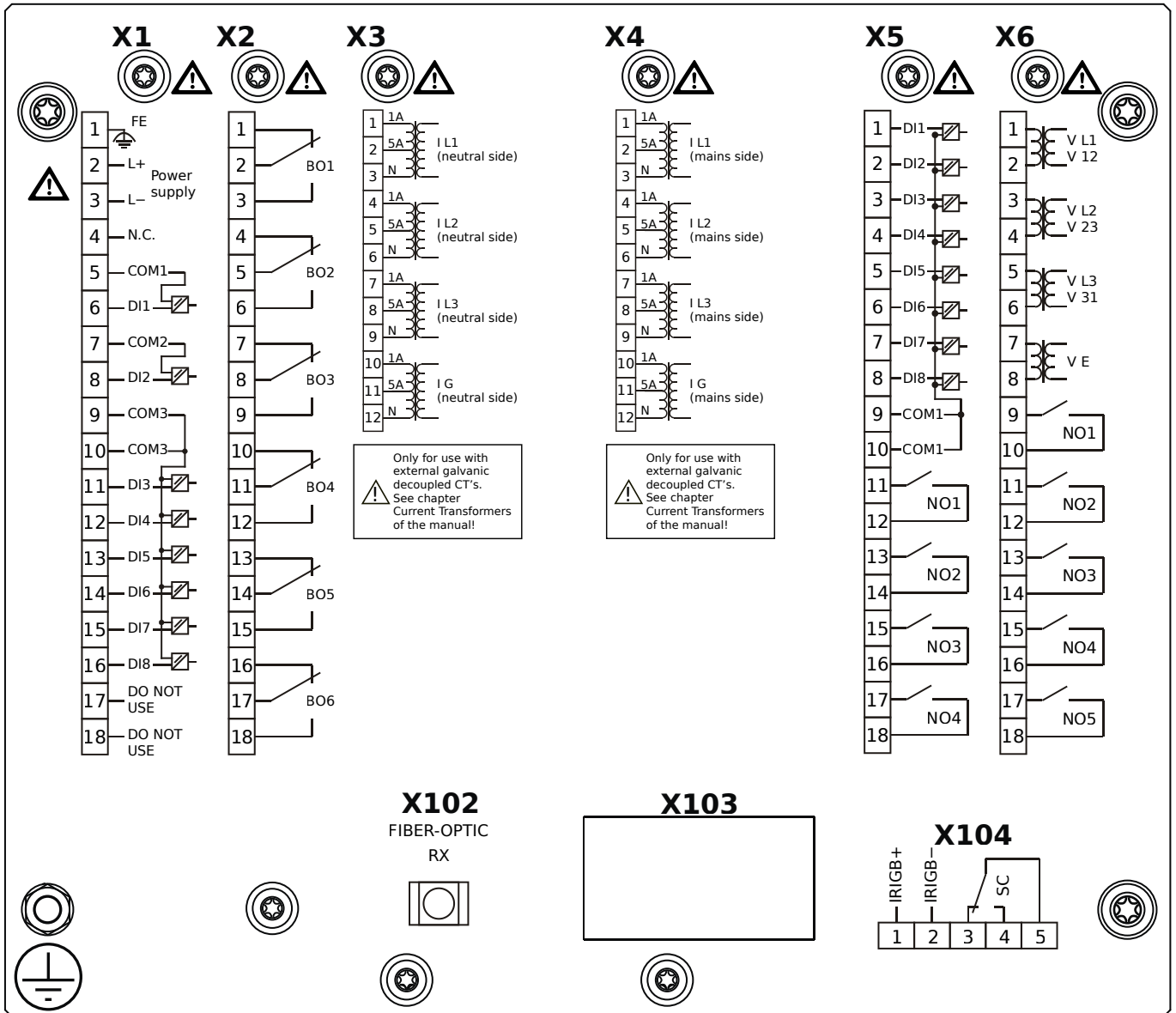


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

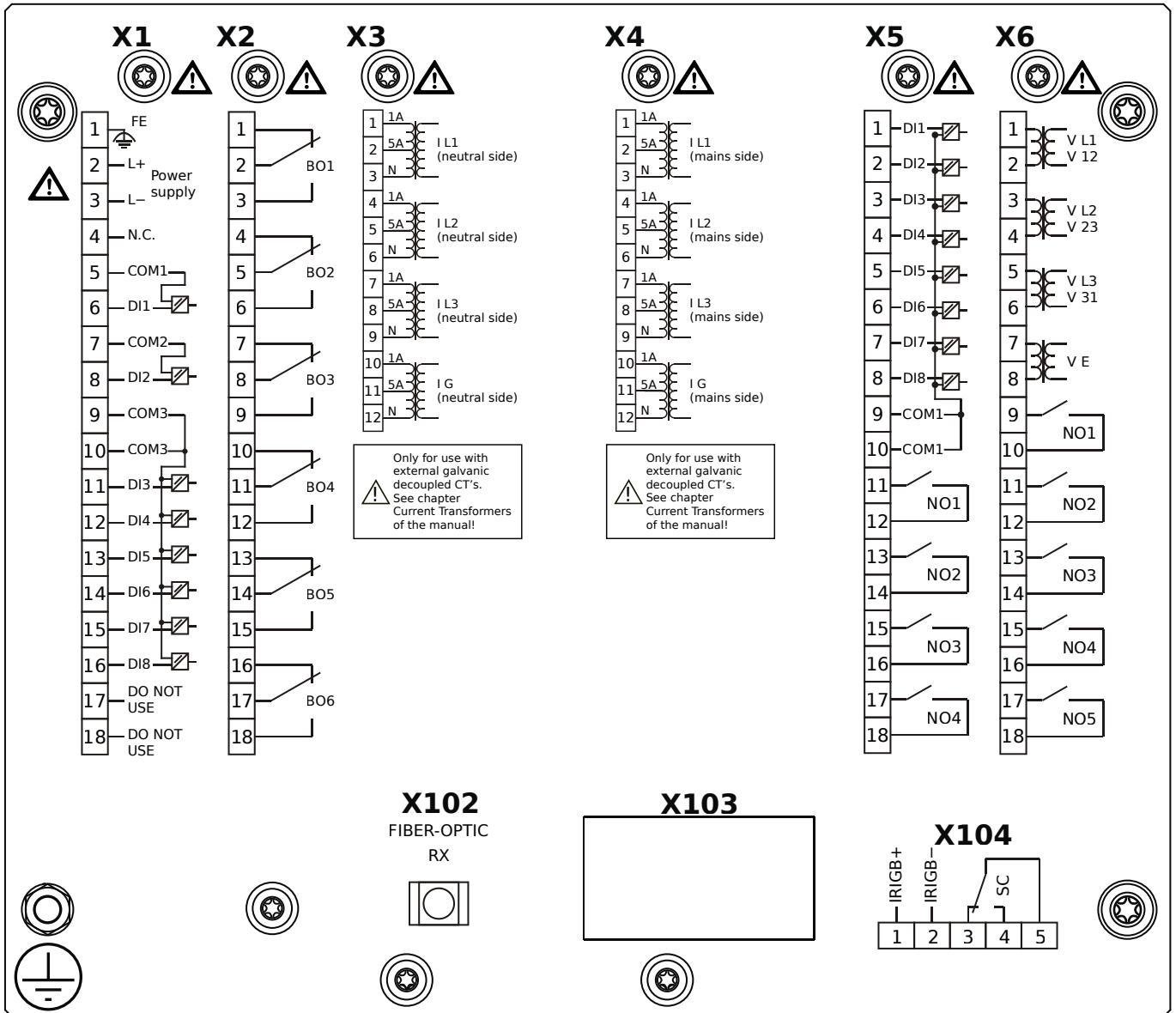
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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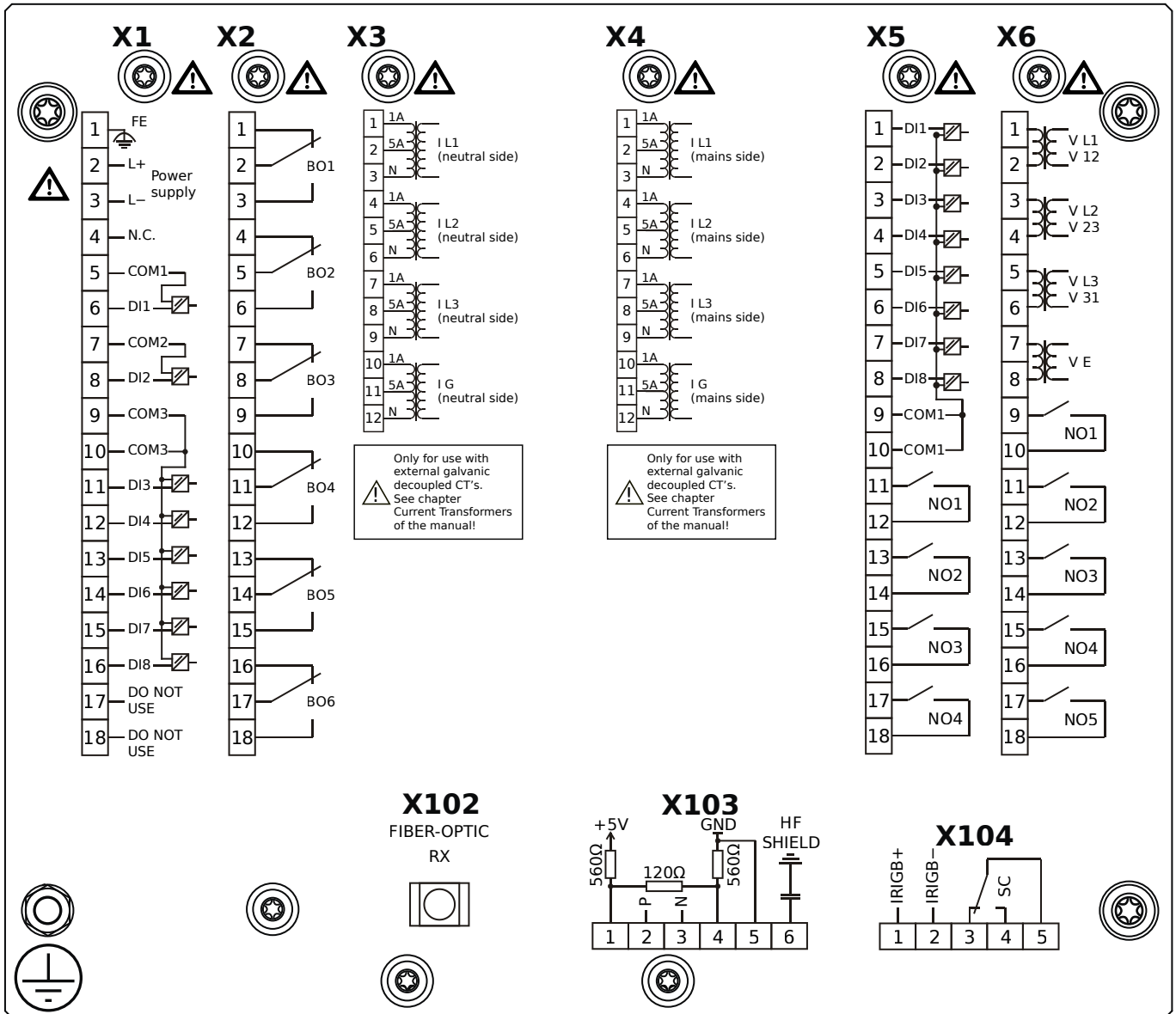


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

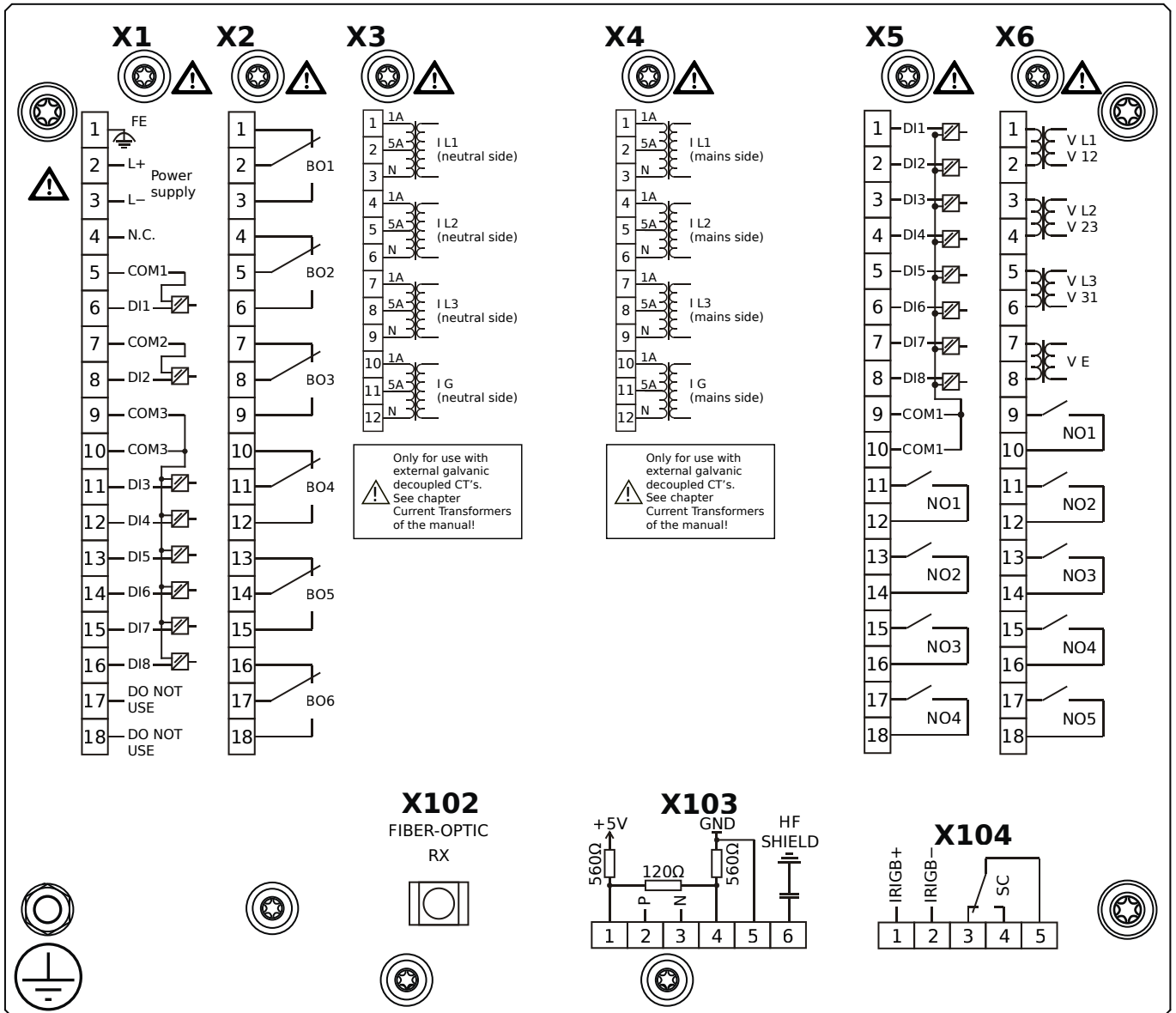
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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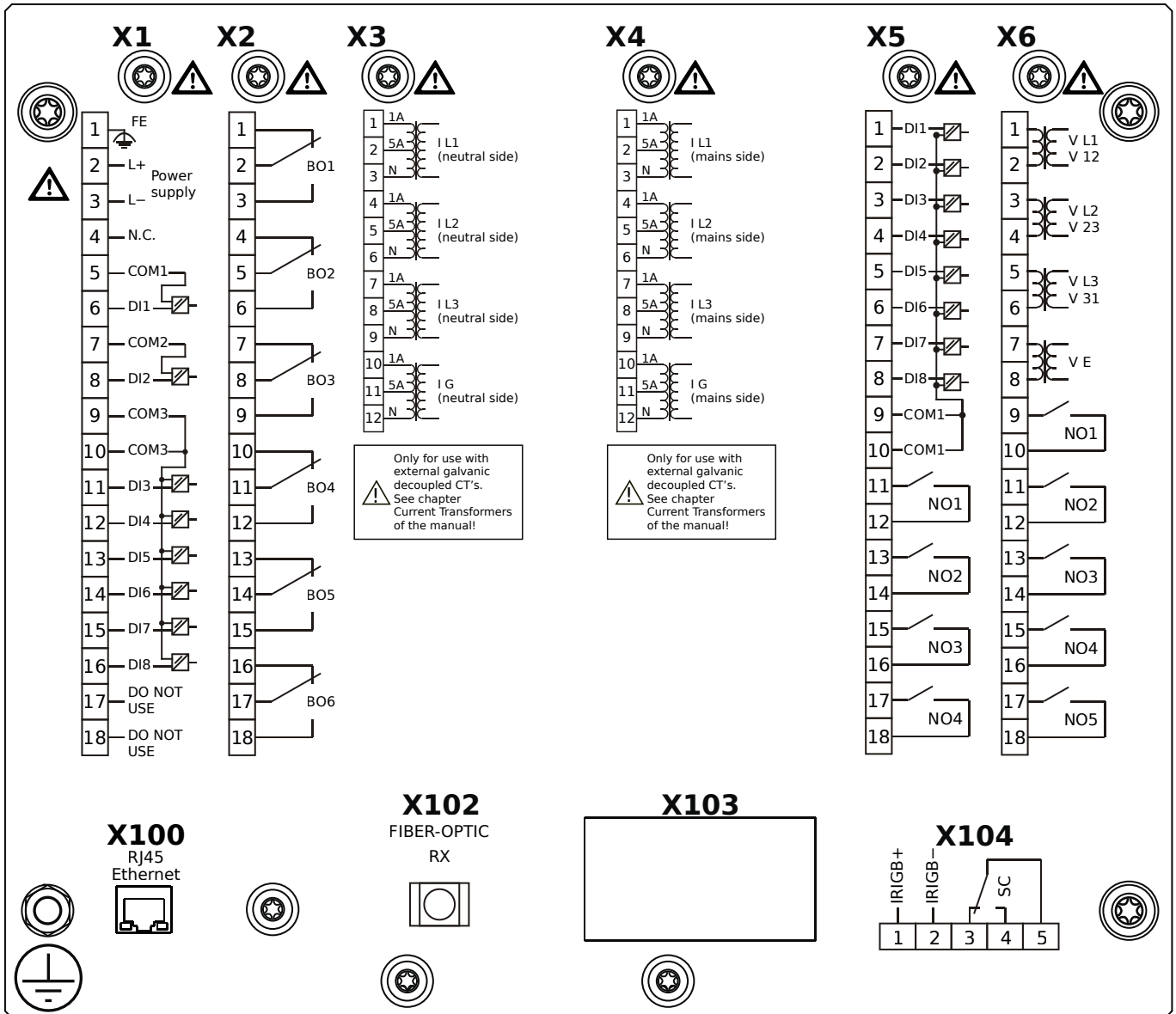


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

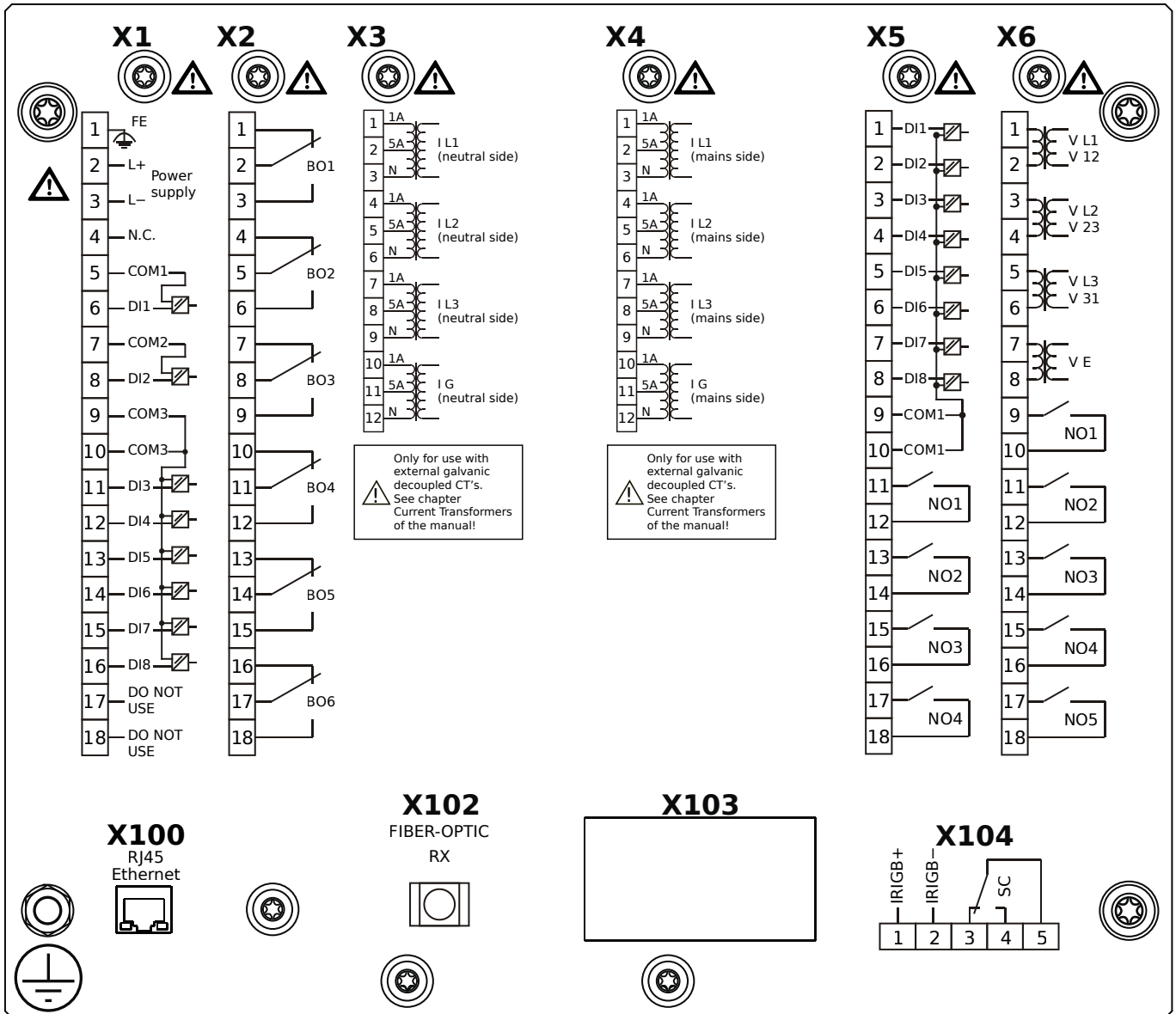
MCDGV4-2D0BCA



Housing B2, large display, 19" rack mounting

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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D0BCB

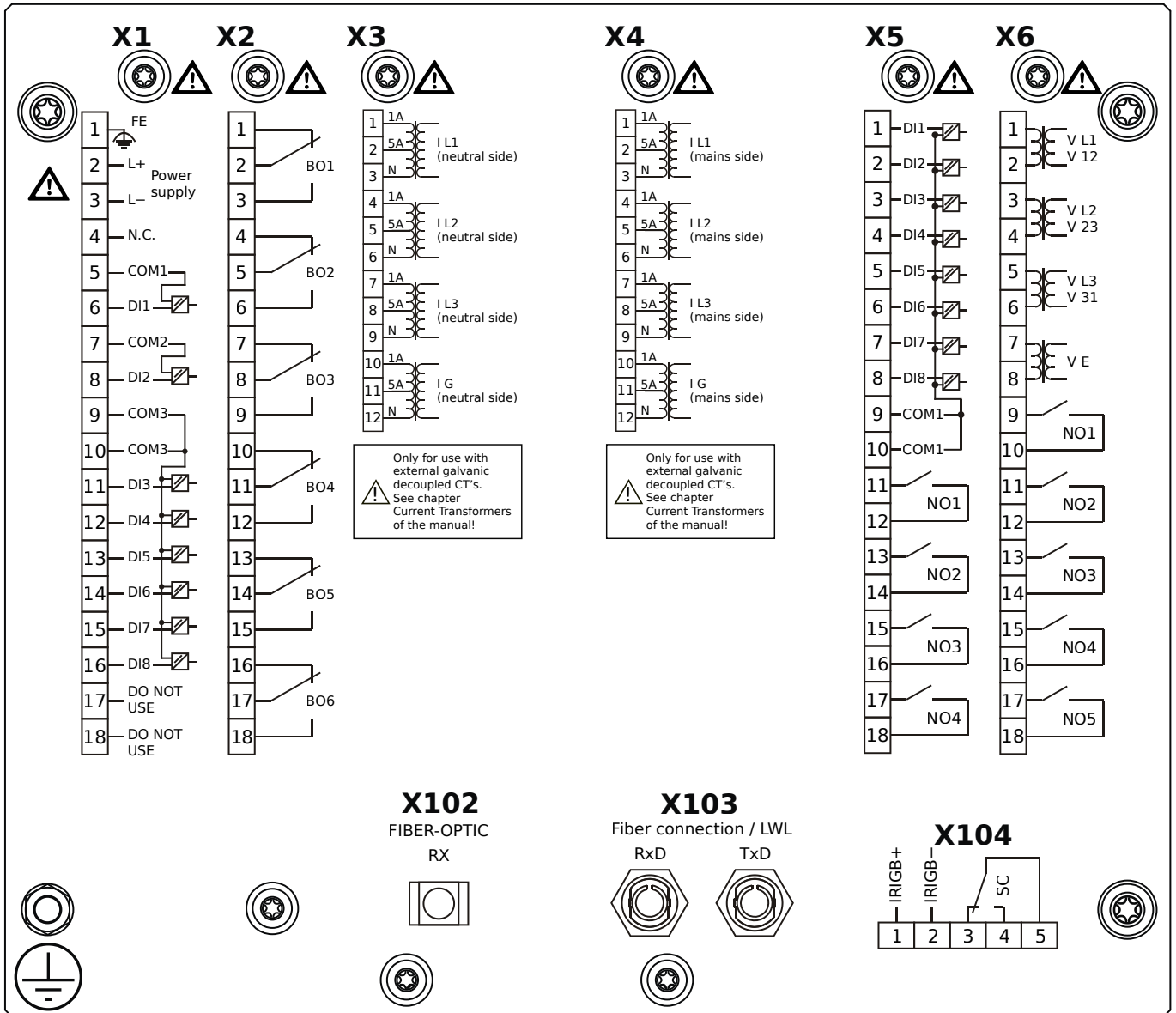


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

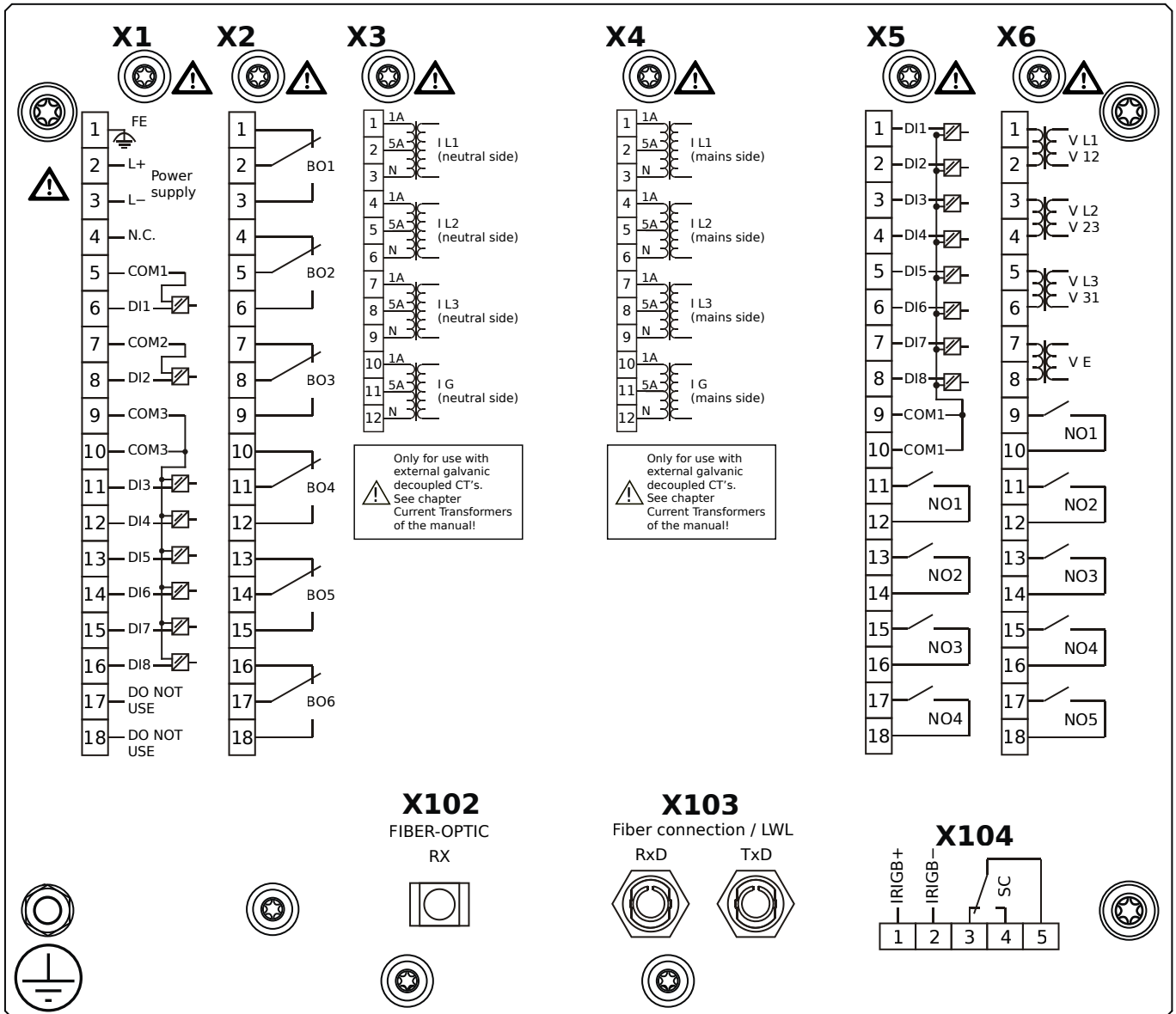
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D0BDB

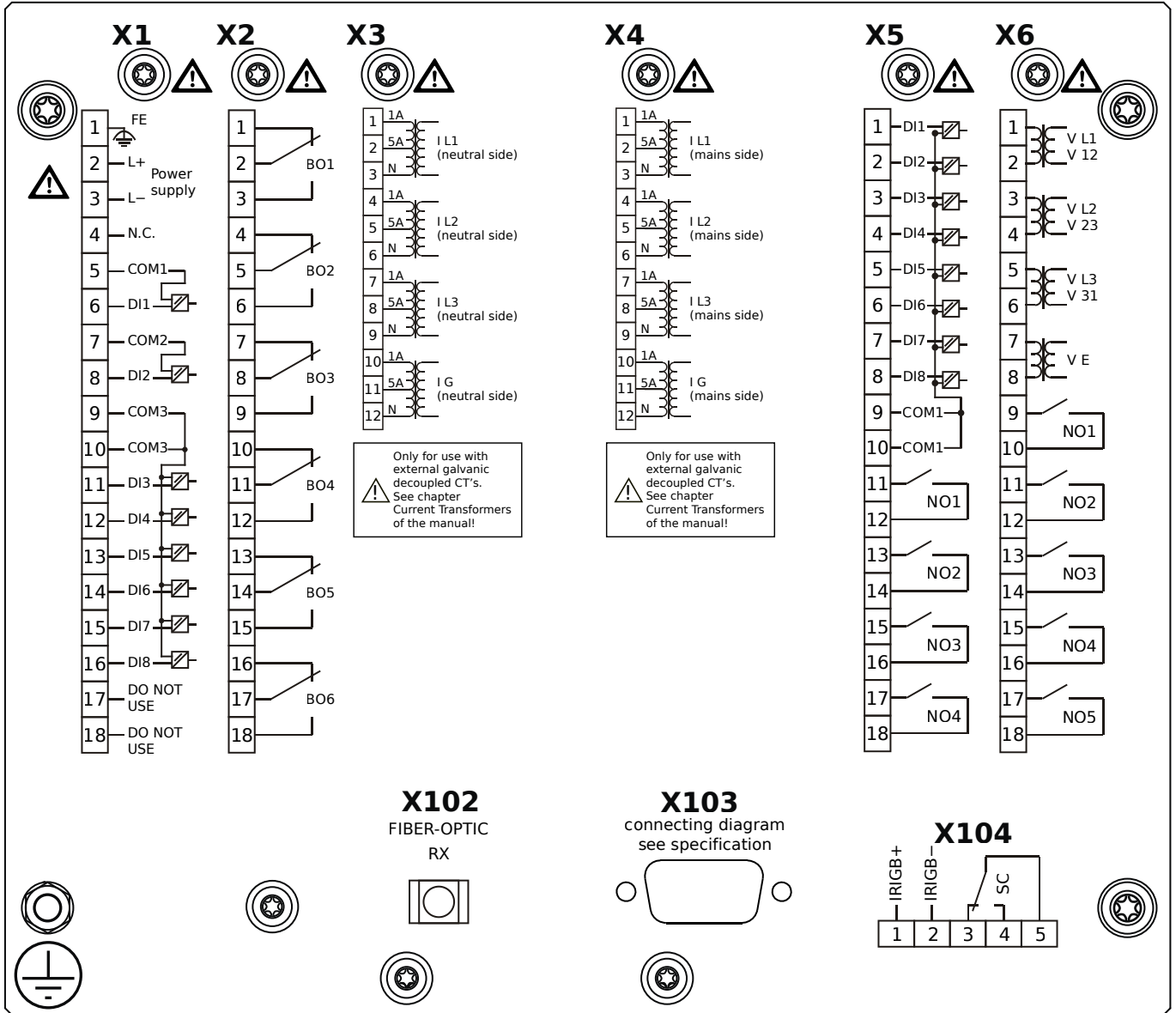


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

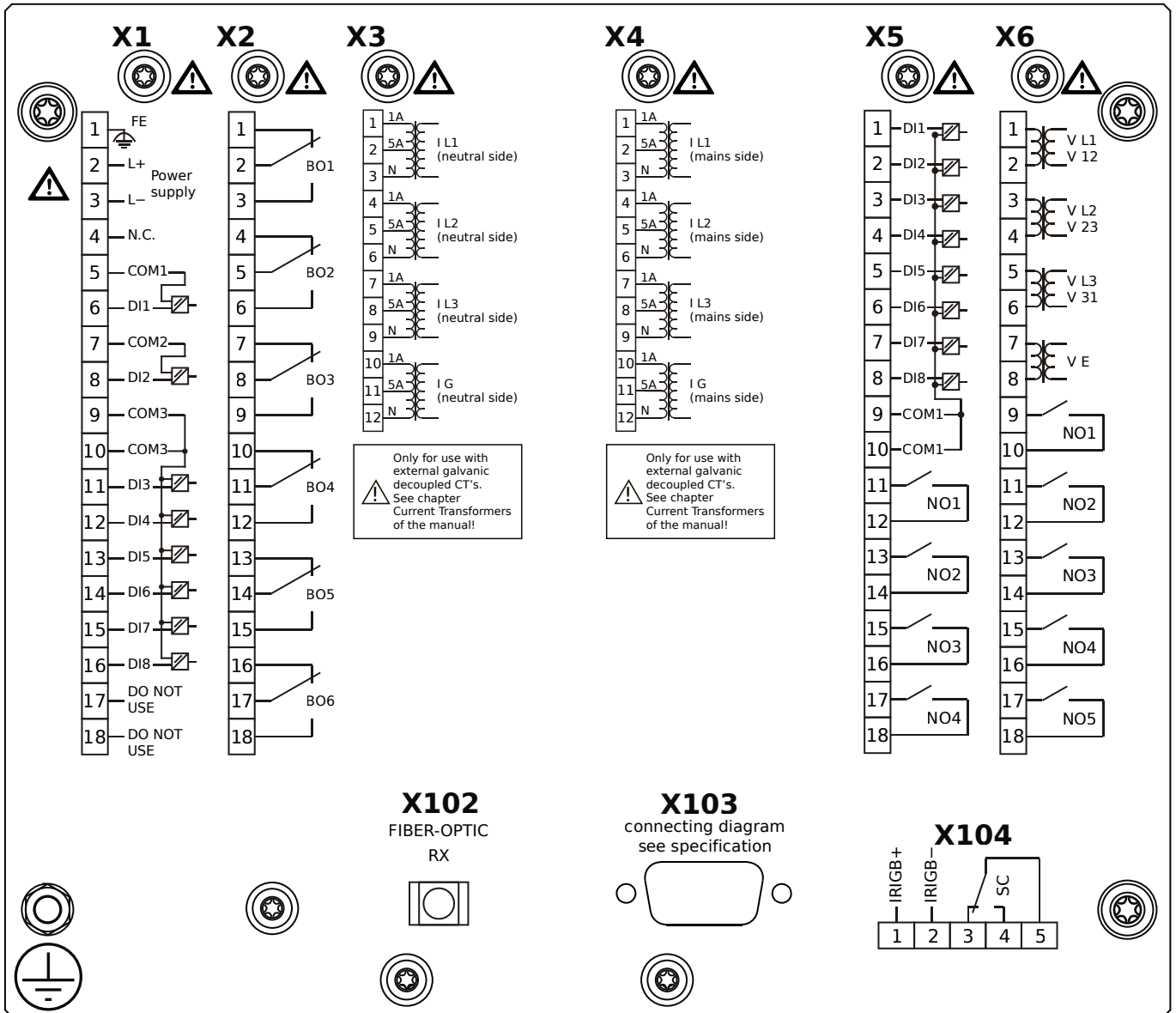
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D0BEB

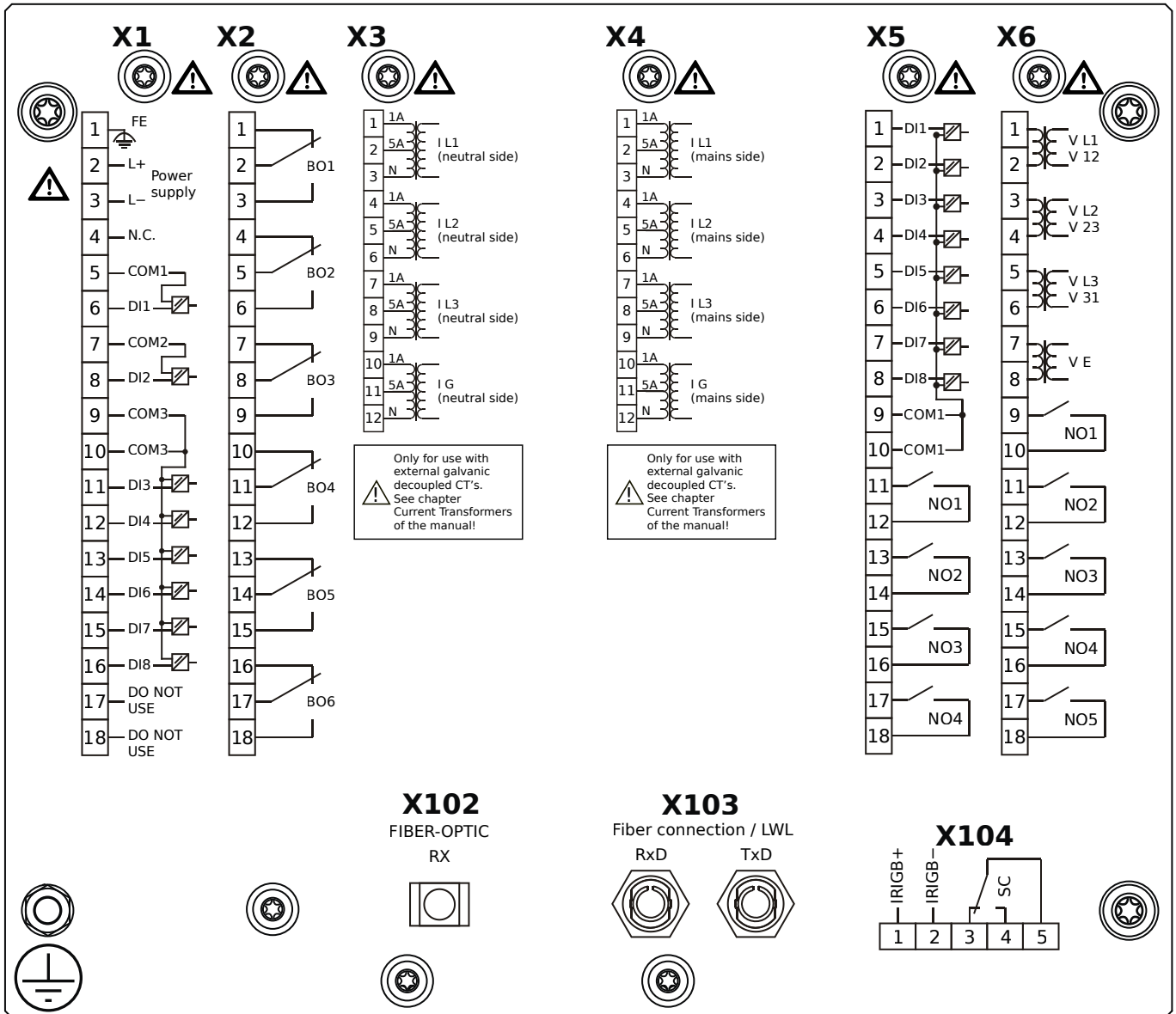


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

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- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

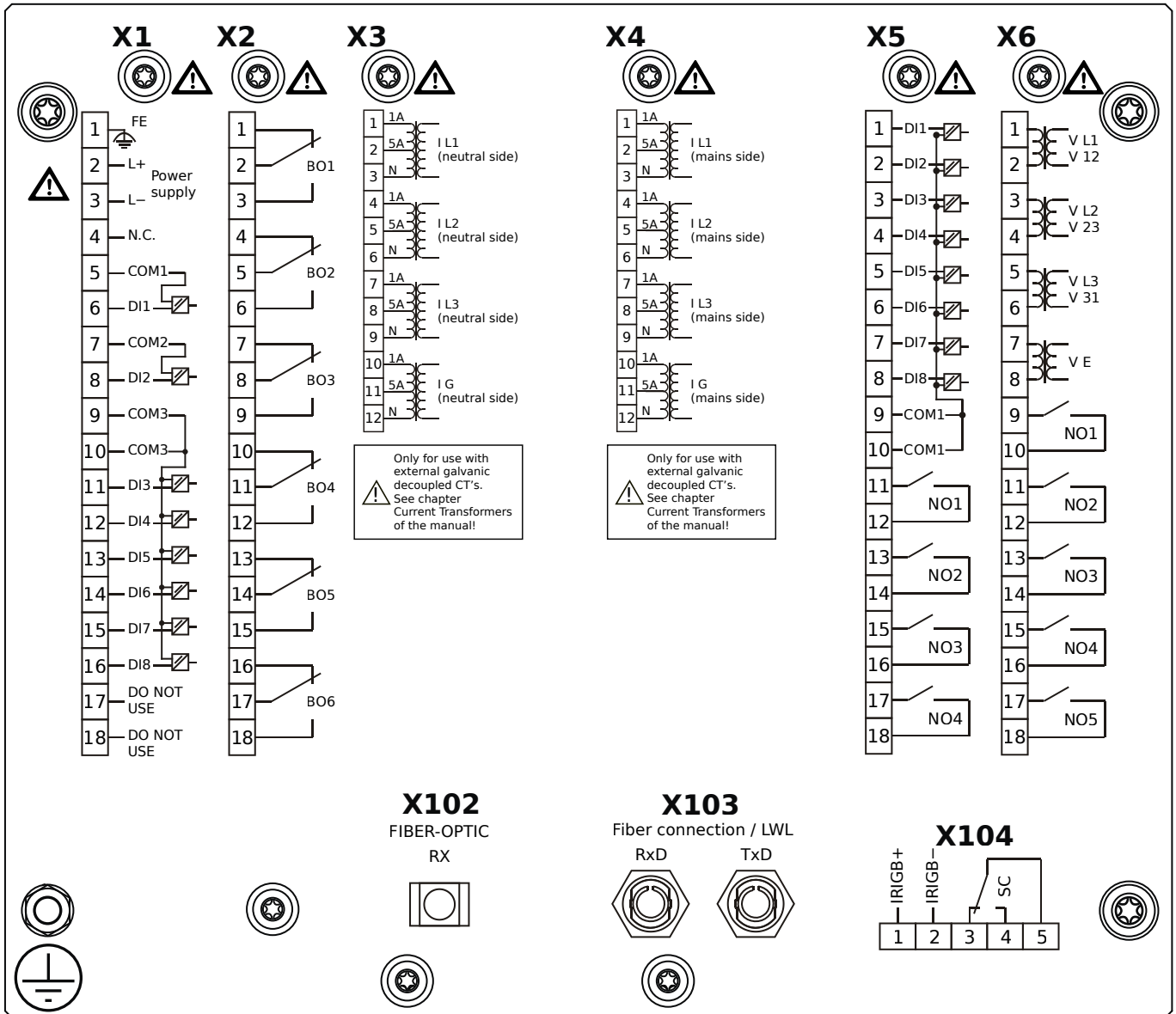
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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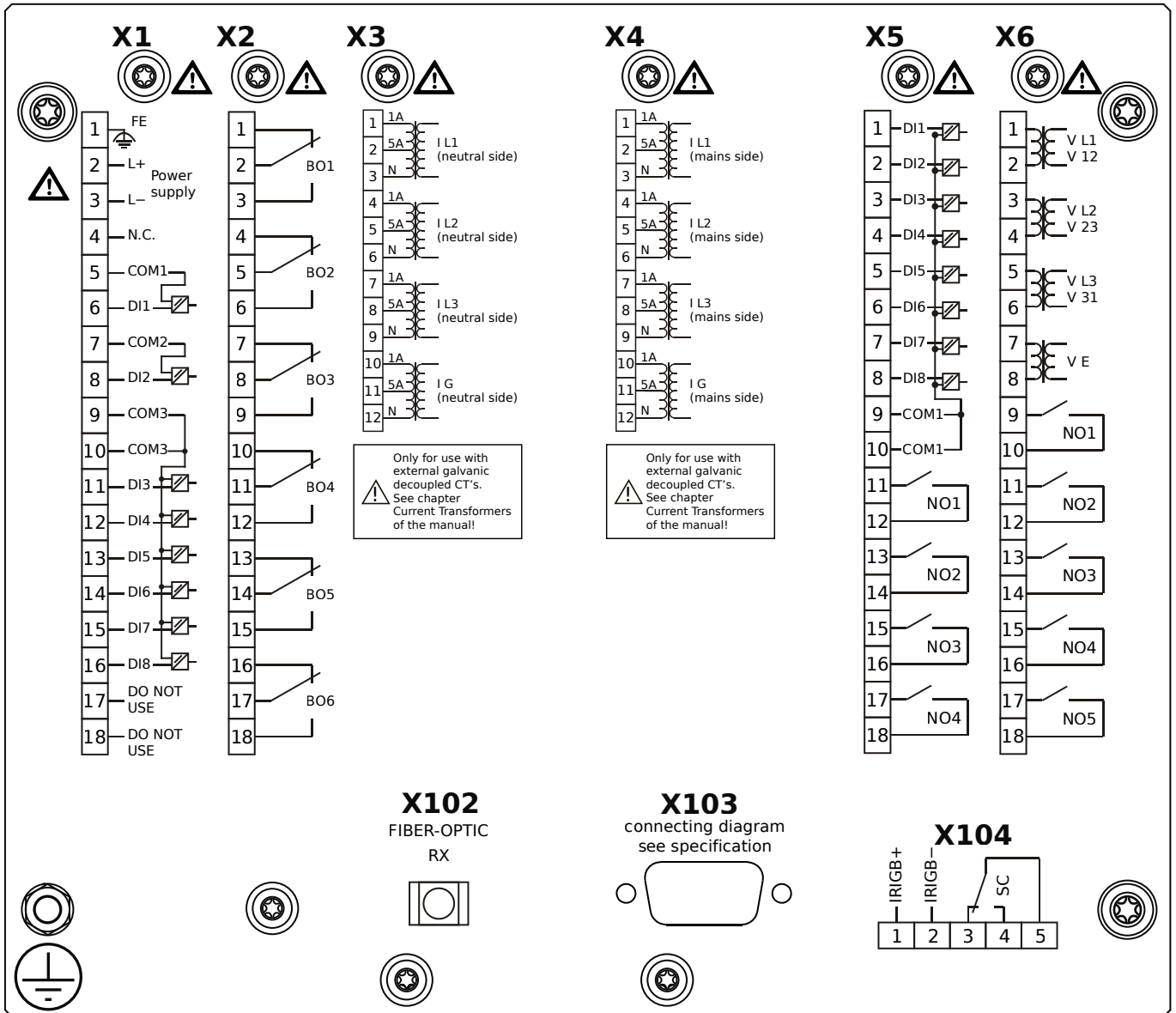


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

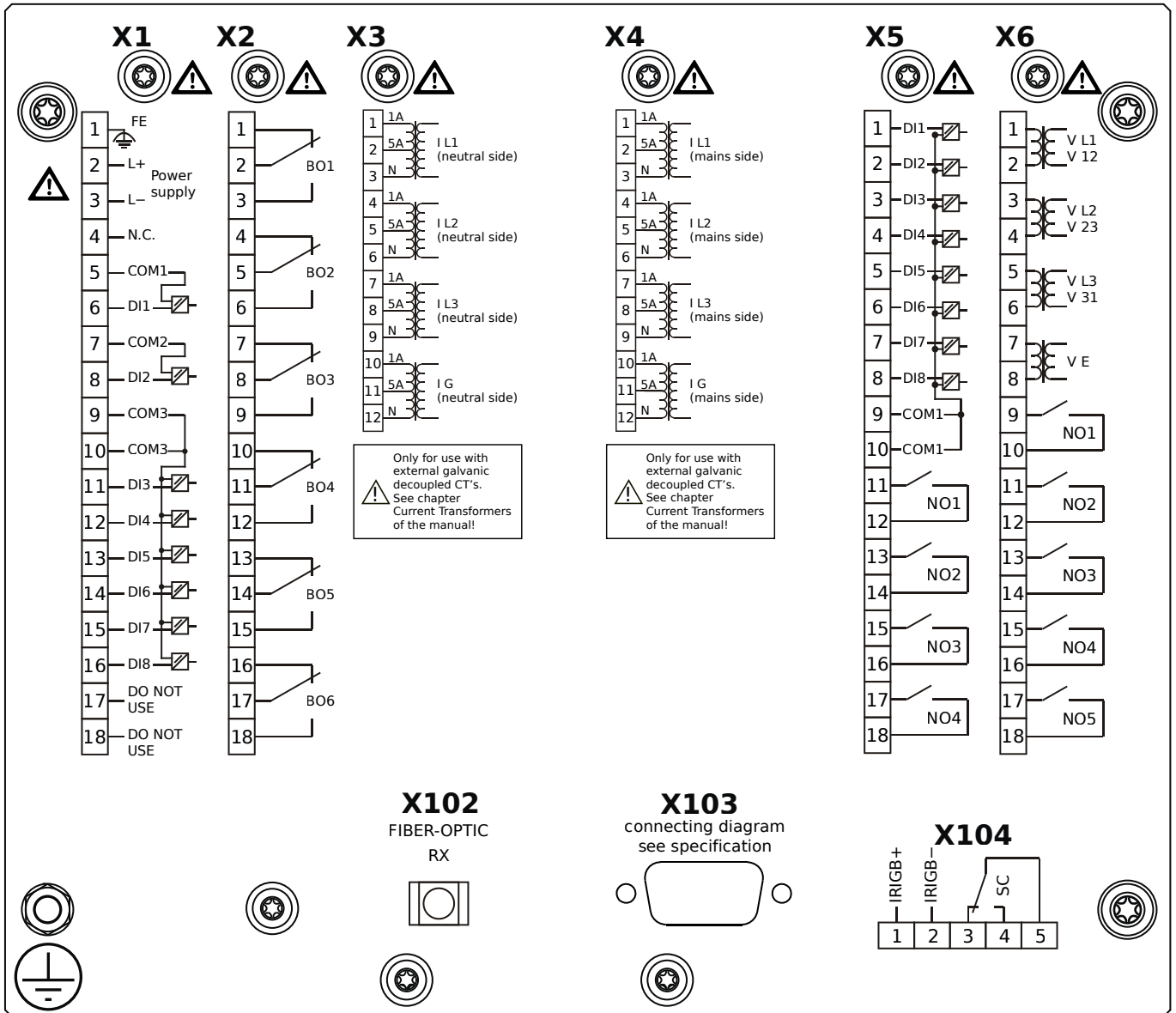
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
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- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D0BGB

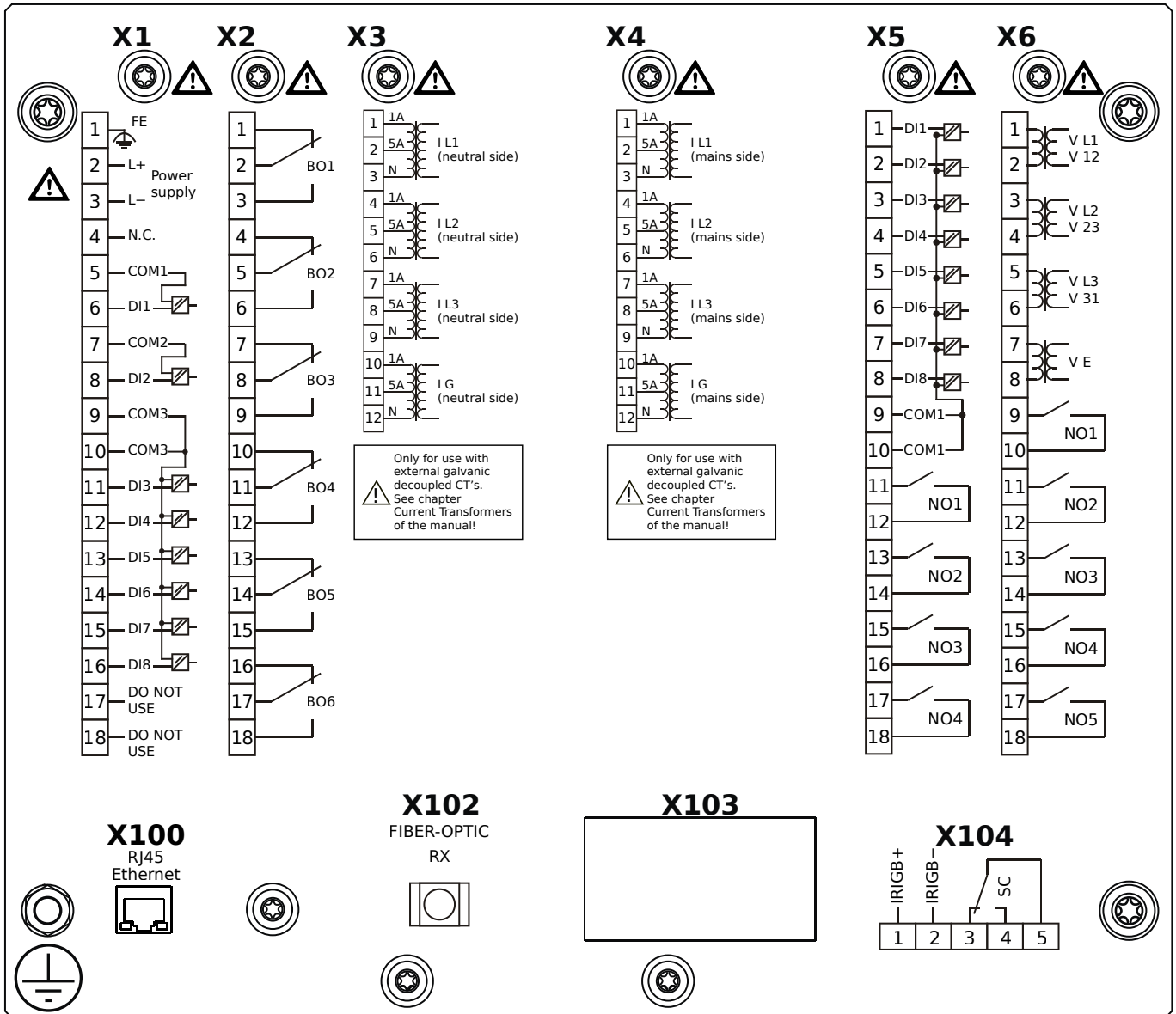


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

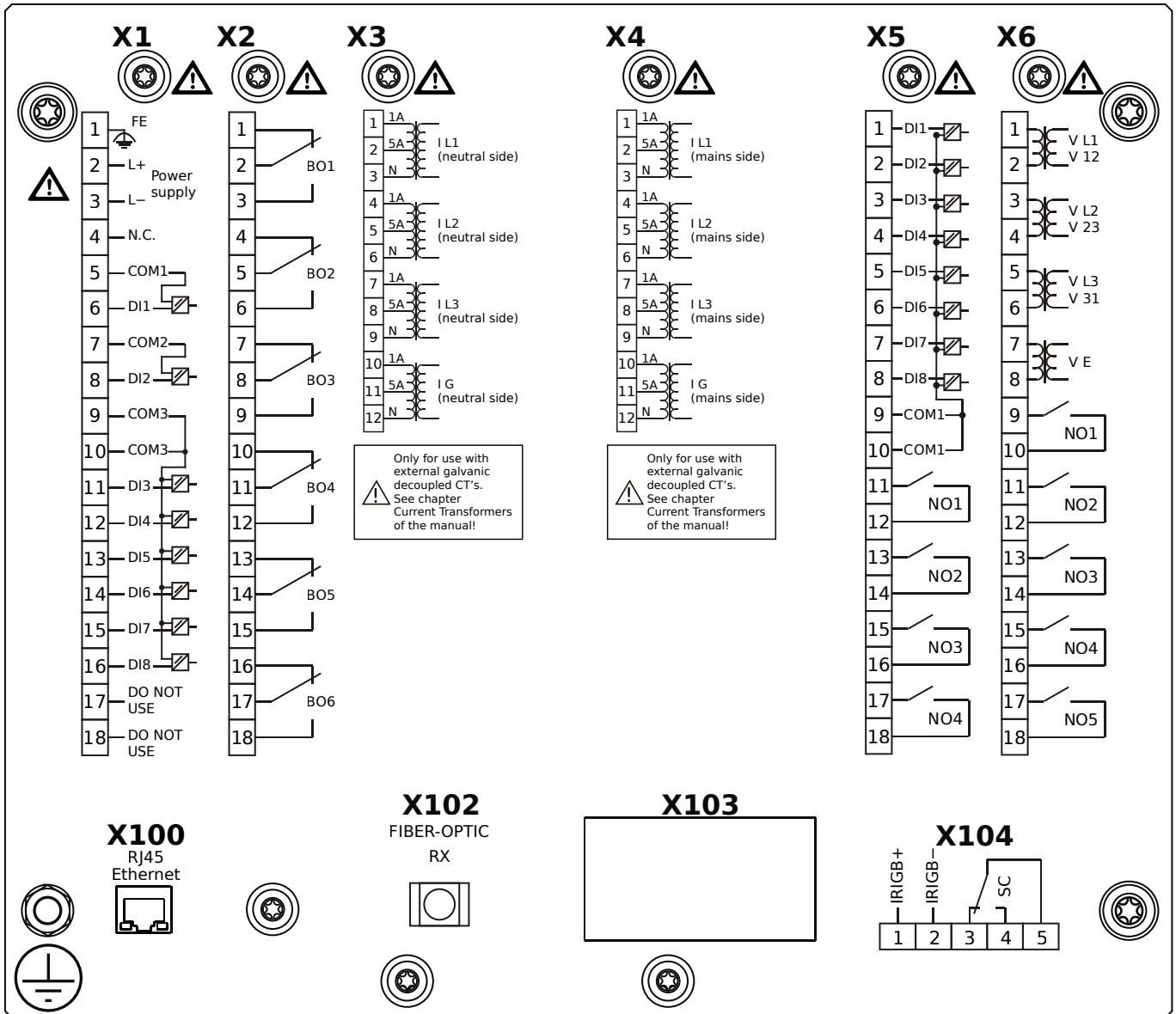
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-
FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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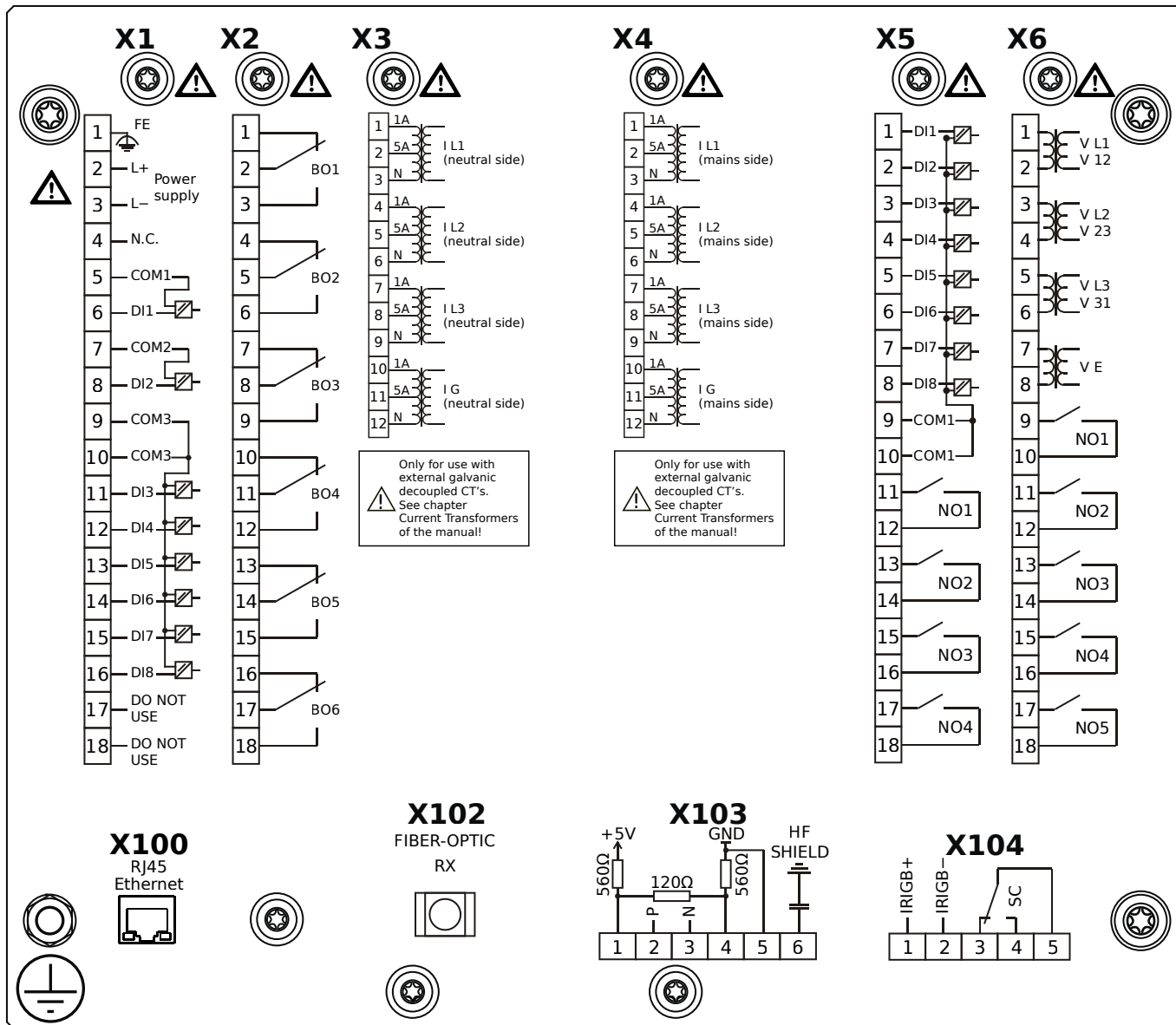


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-
 FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

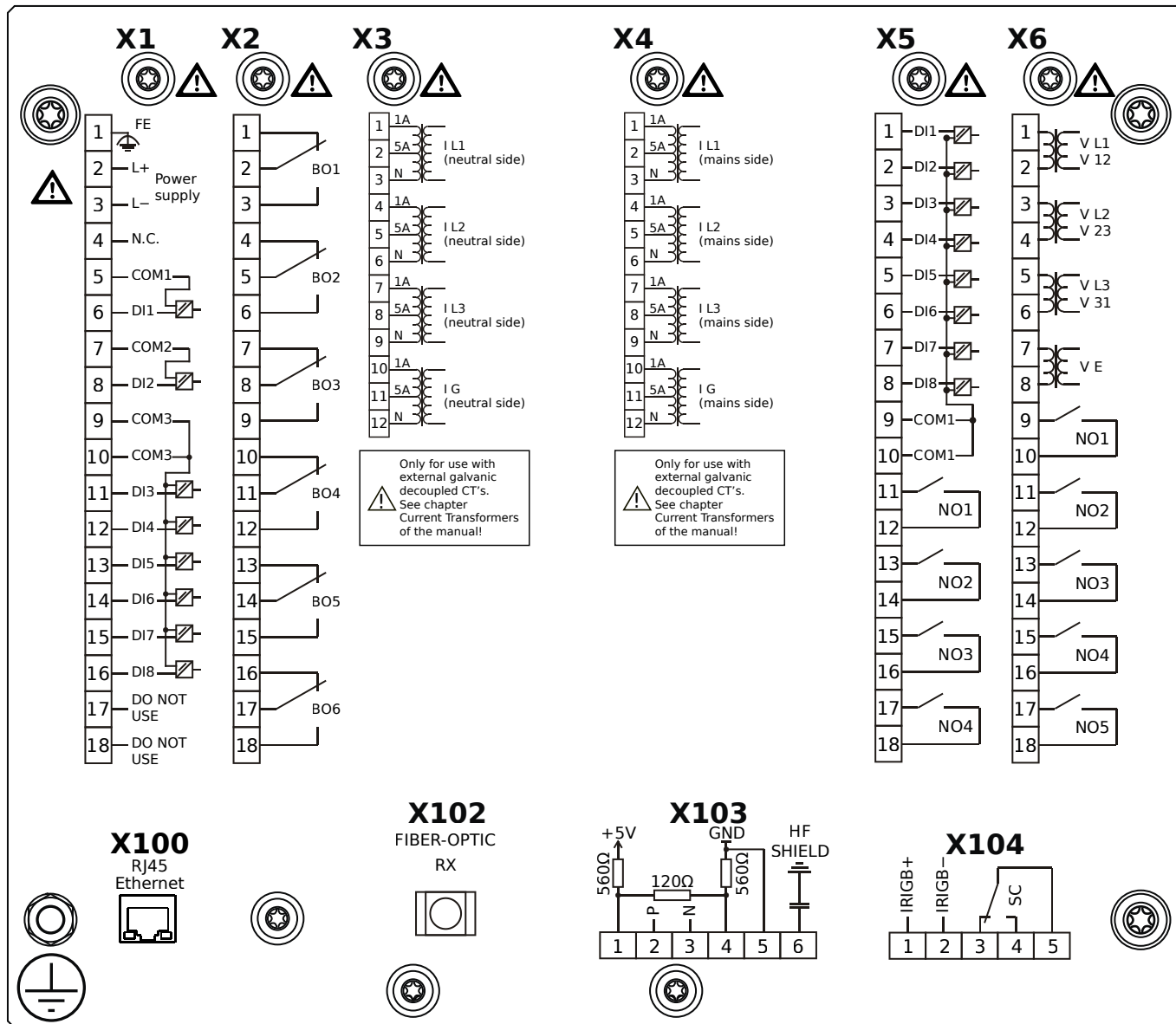
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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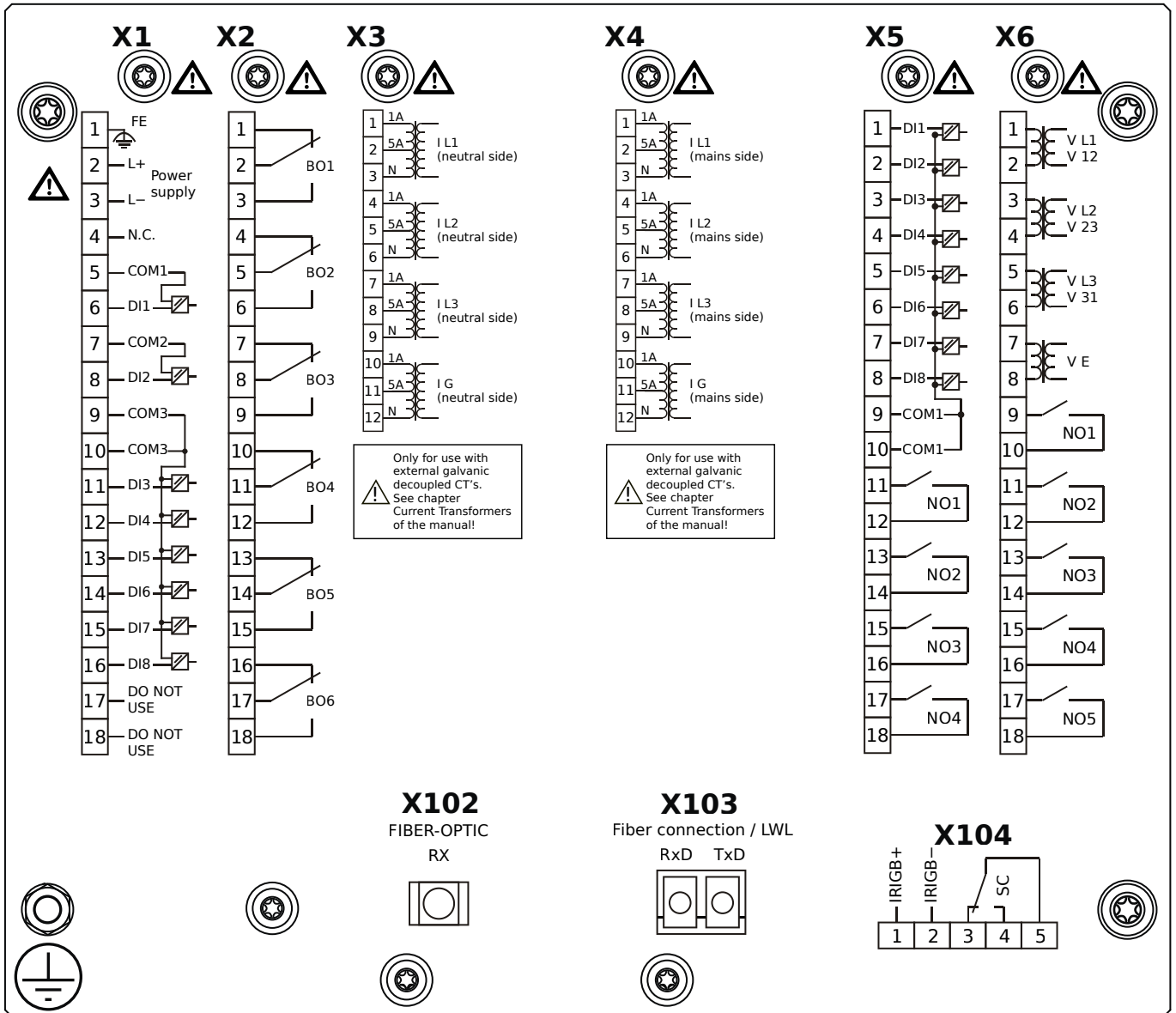


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

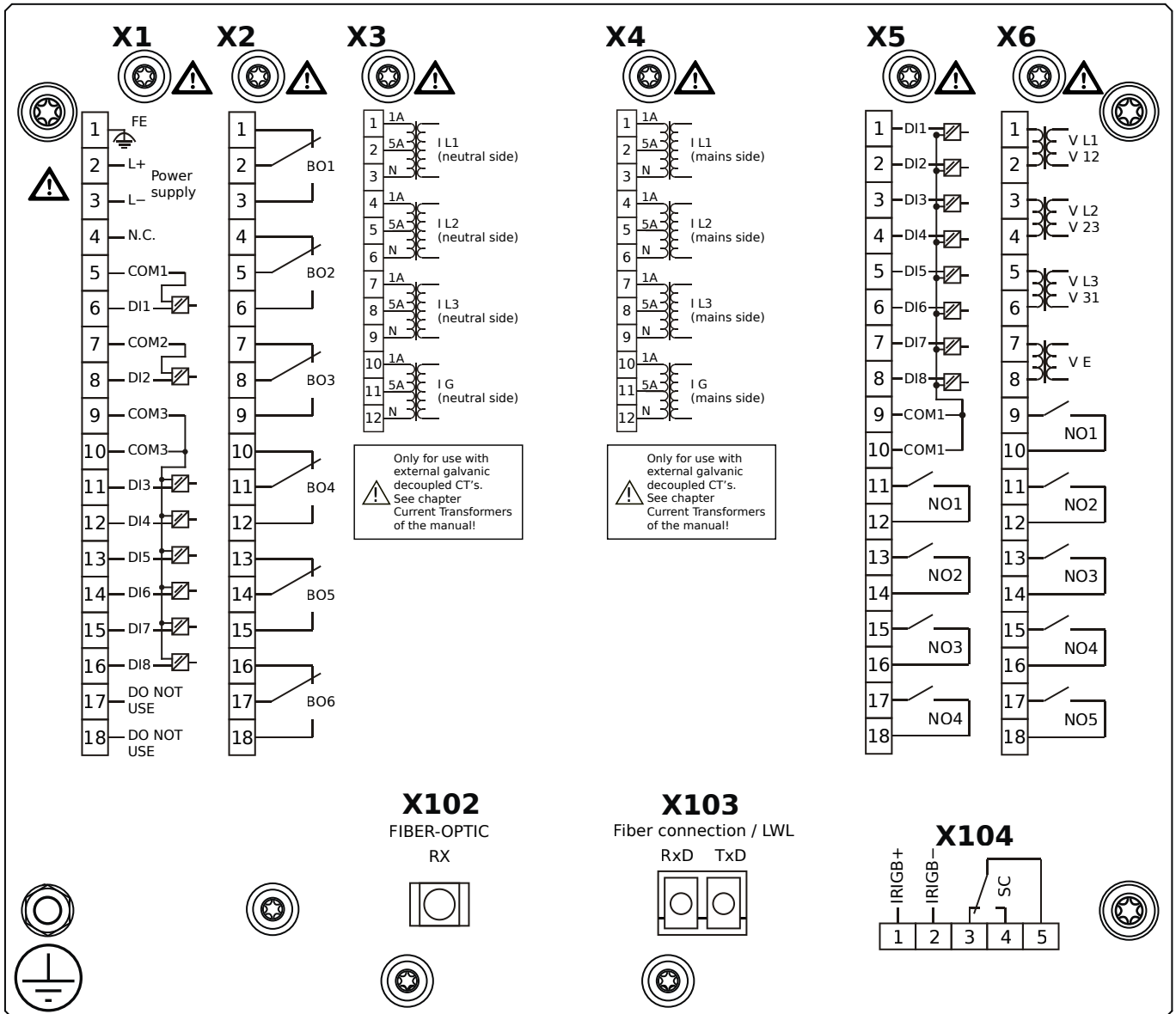
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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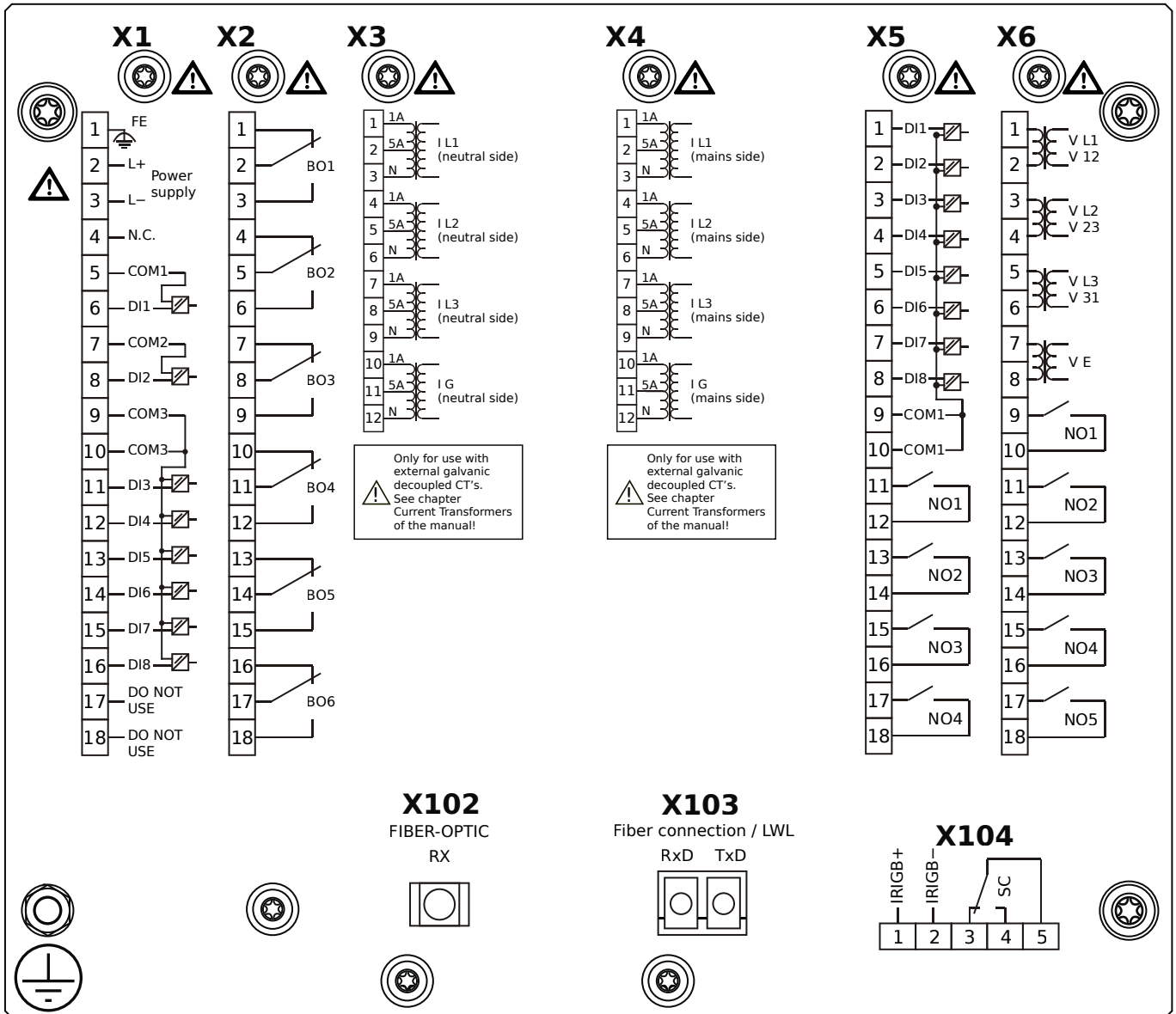


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

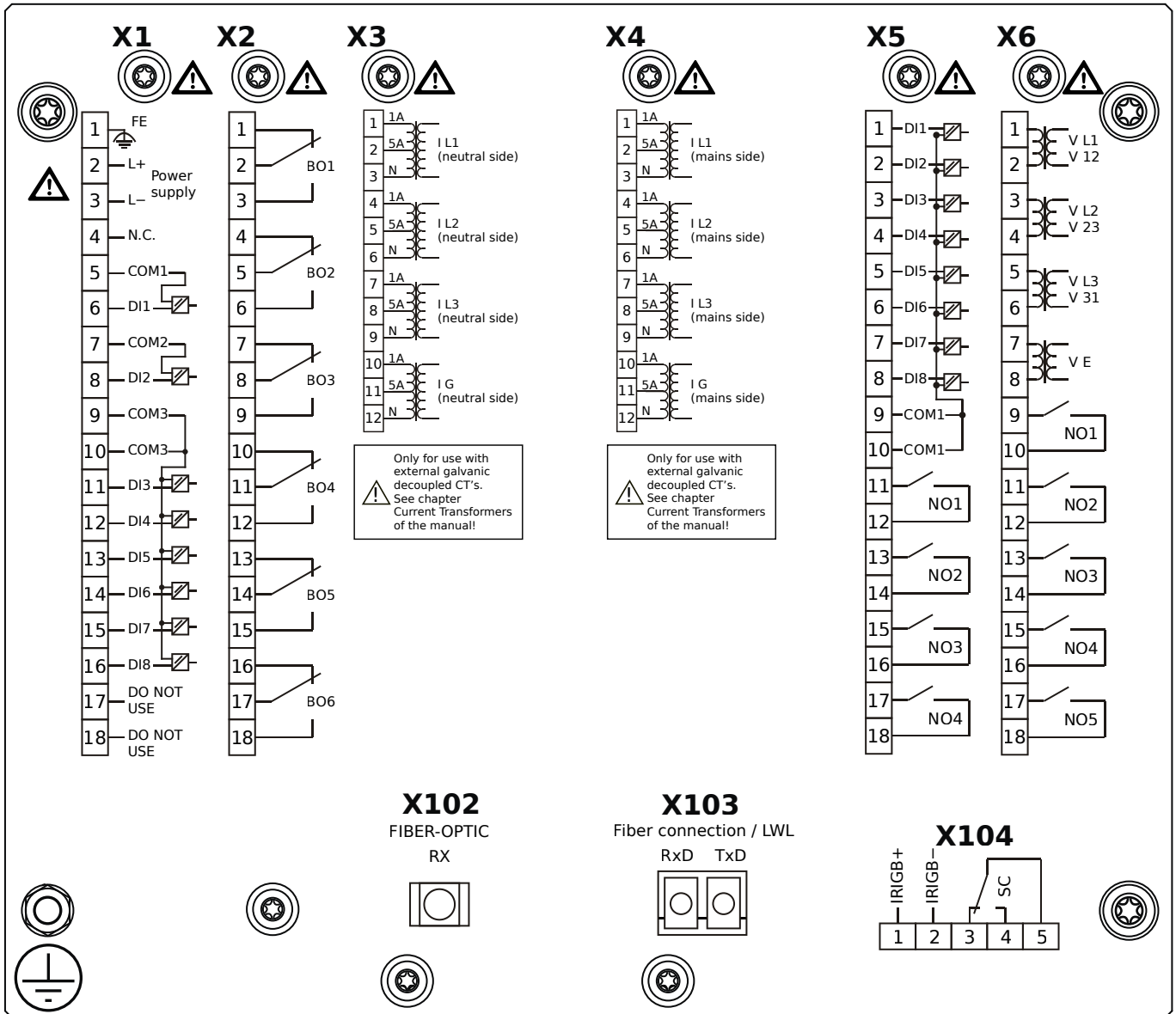
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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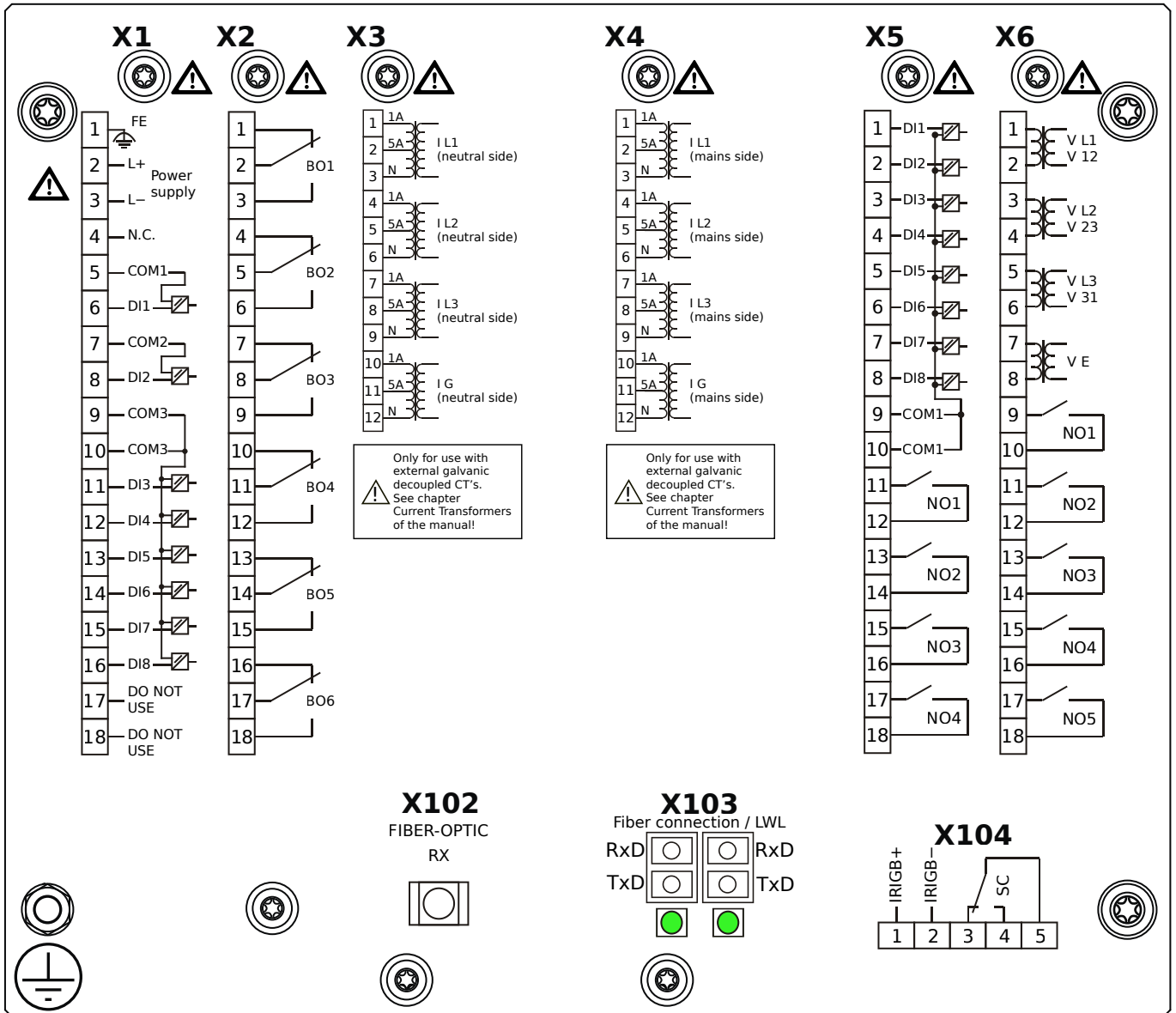


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

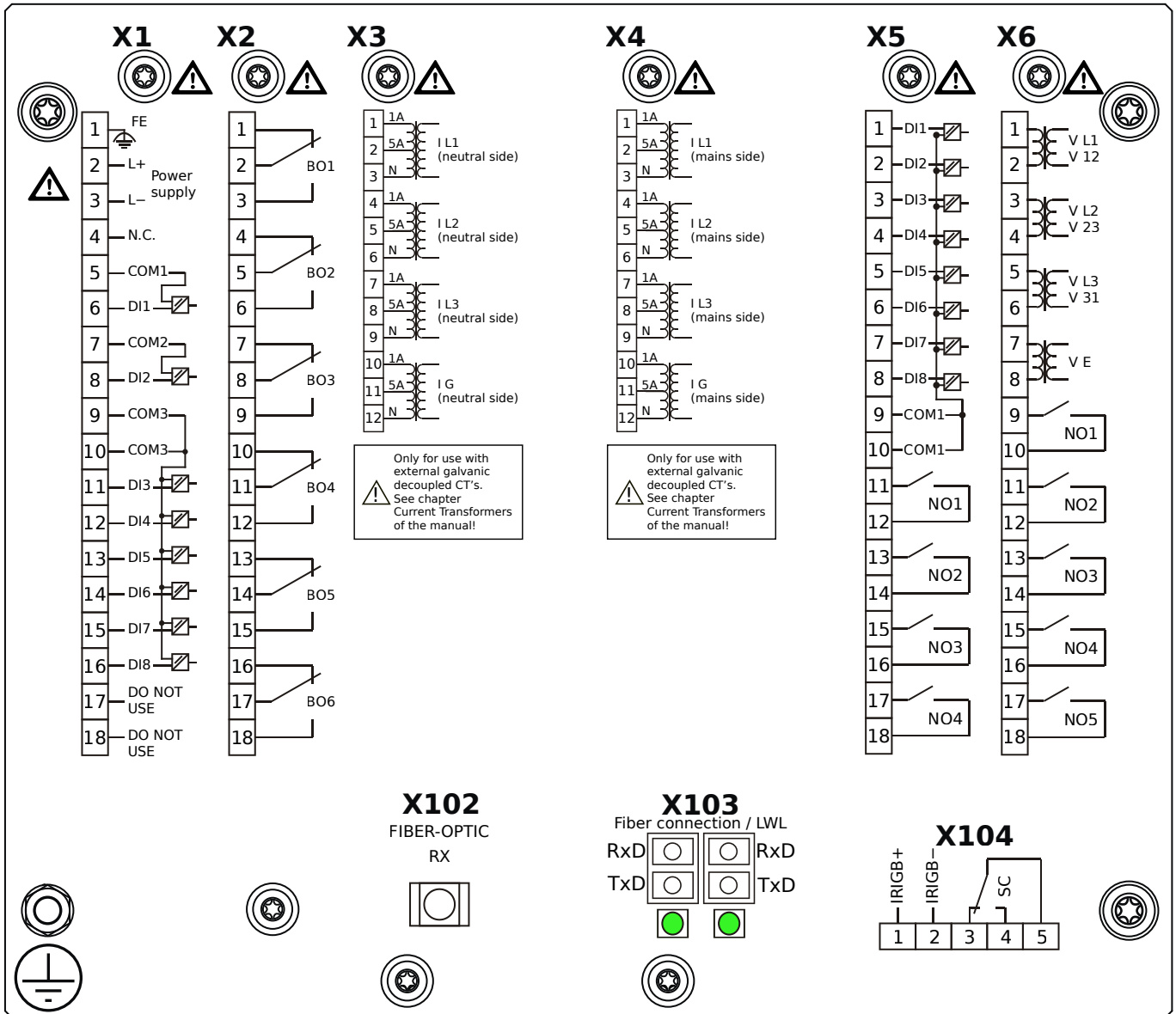
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D0BOB

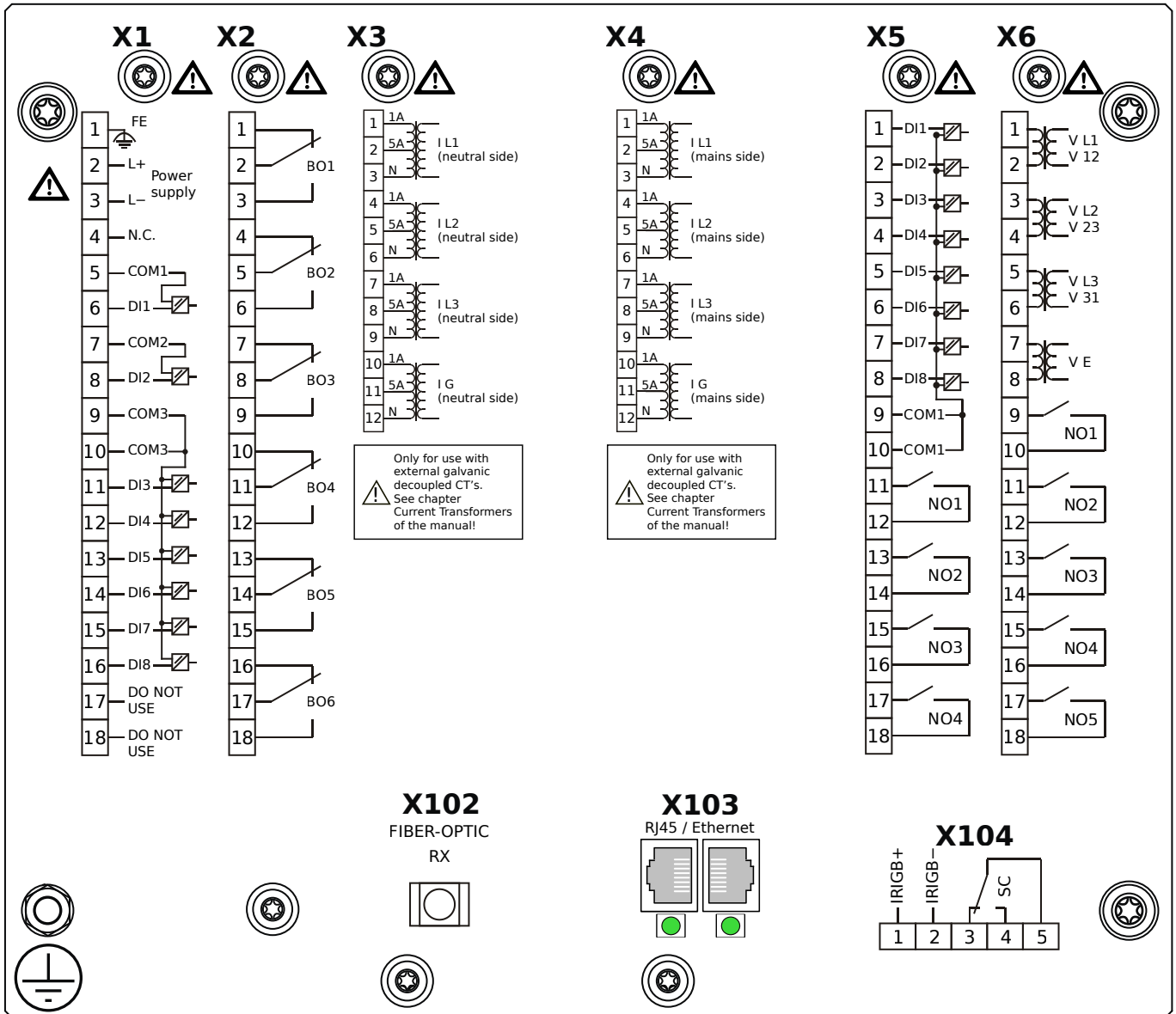


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

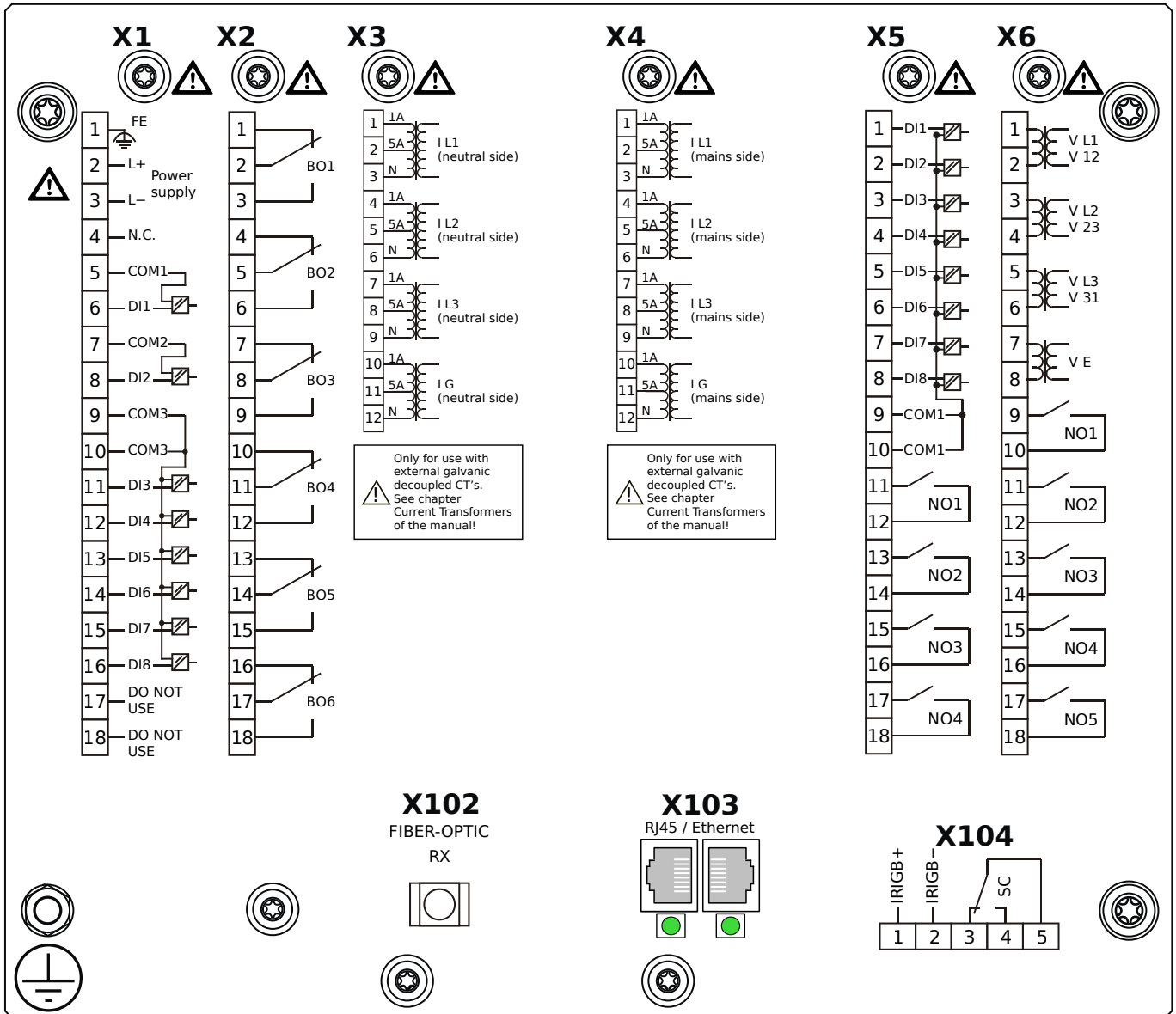
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D0BPB

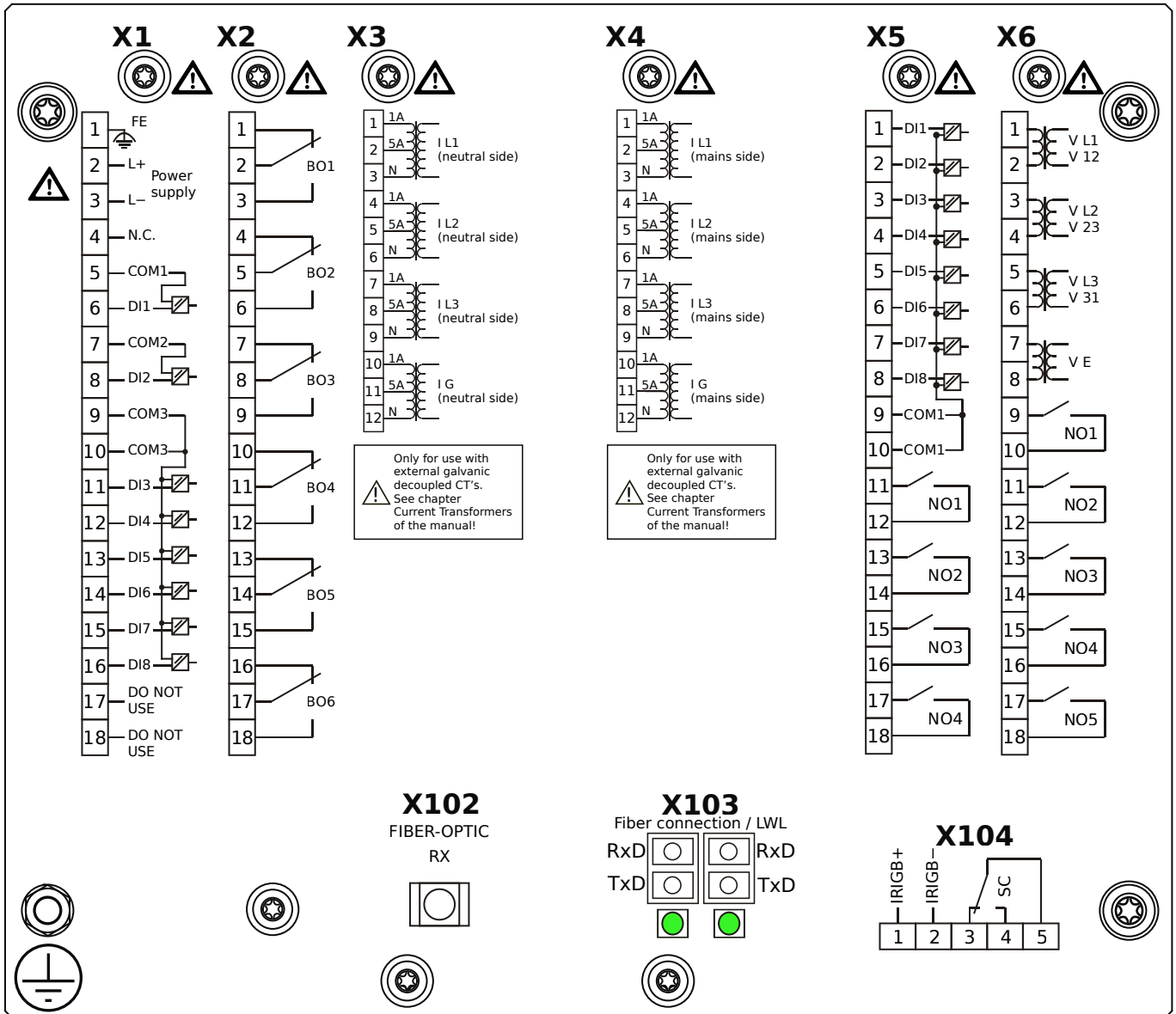


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

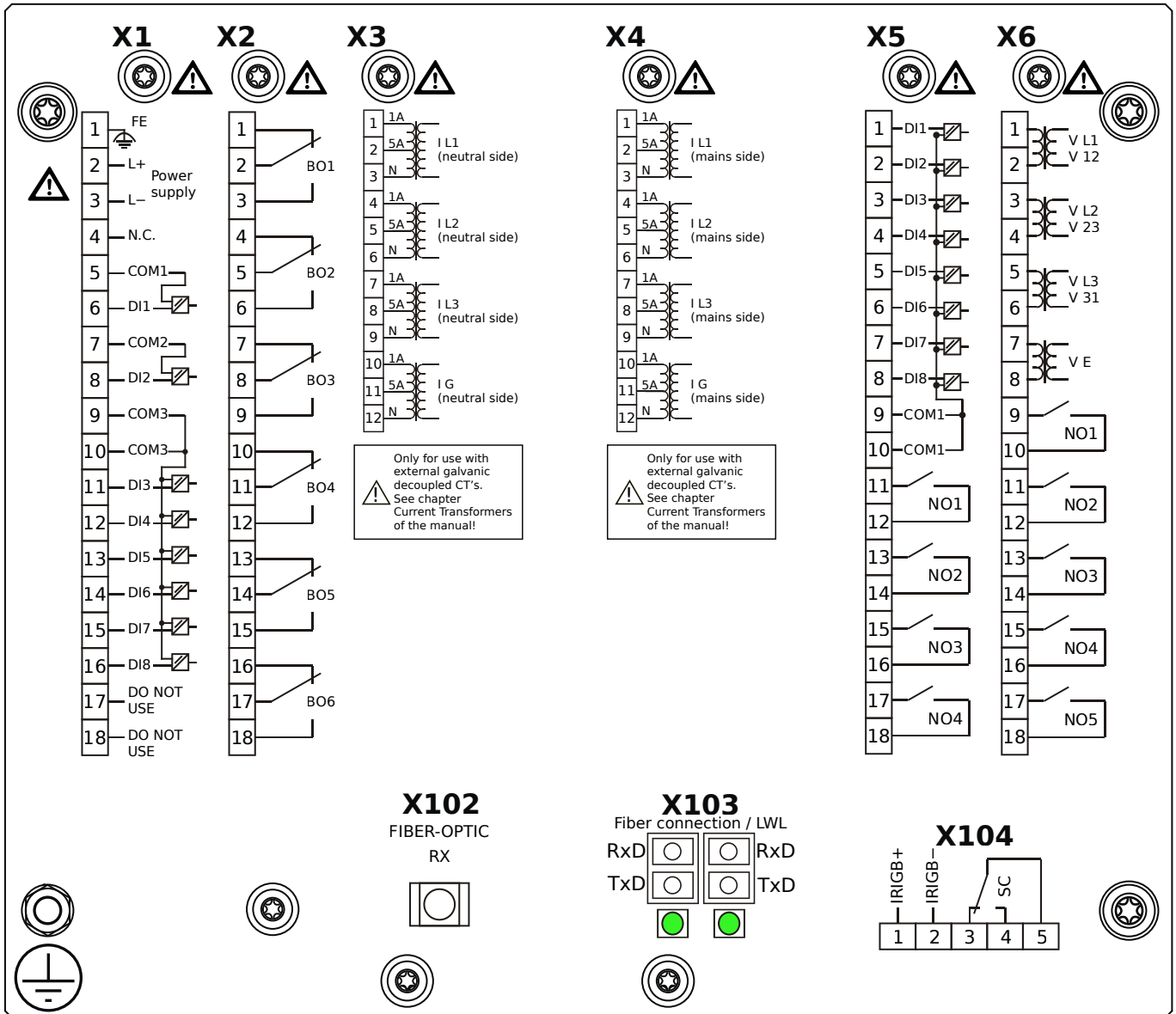
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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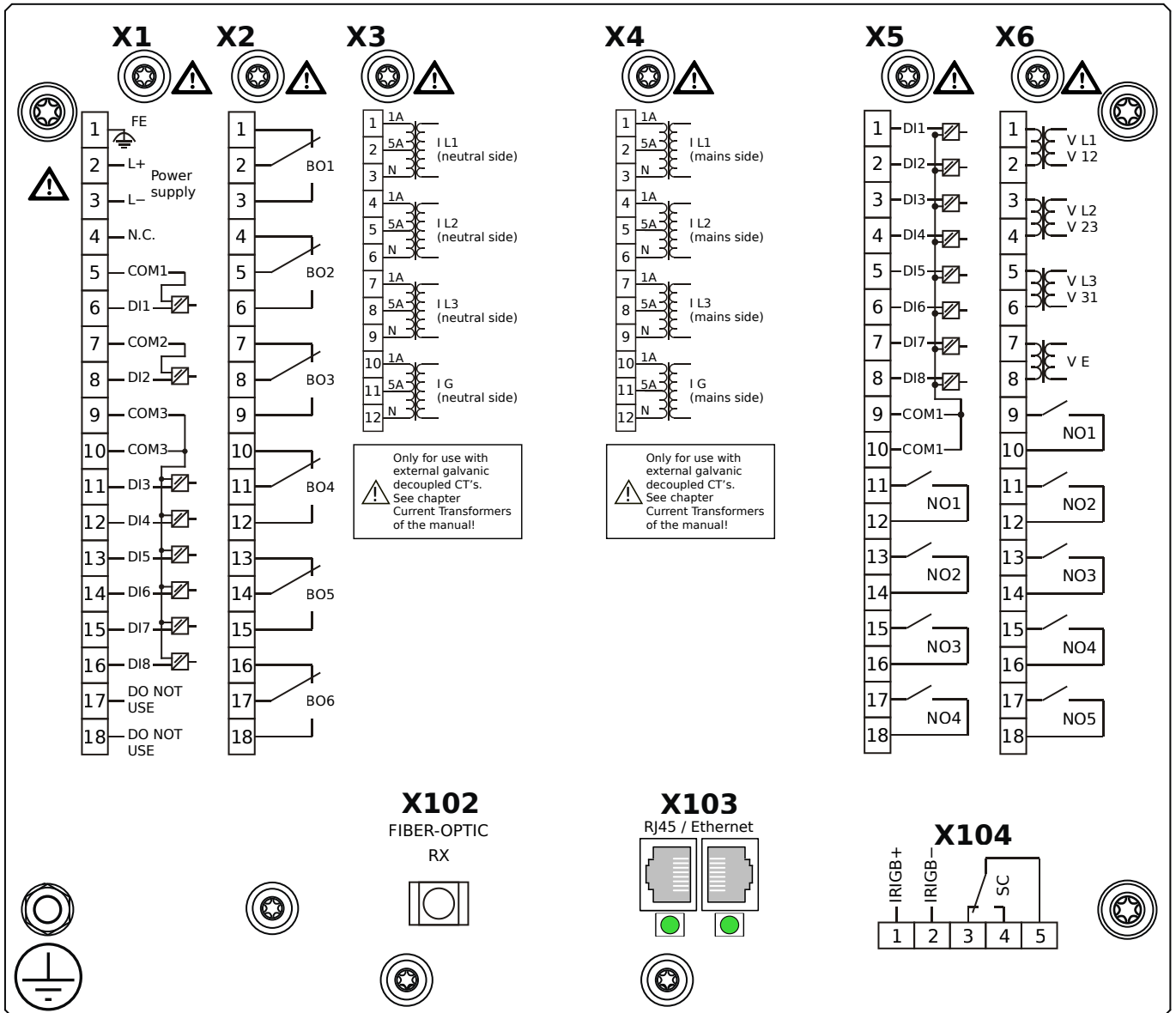


Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

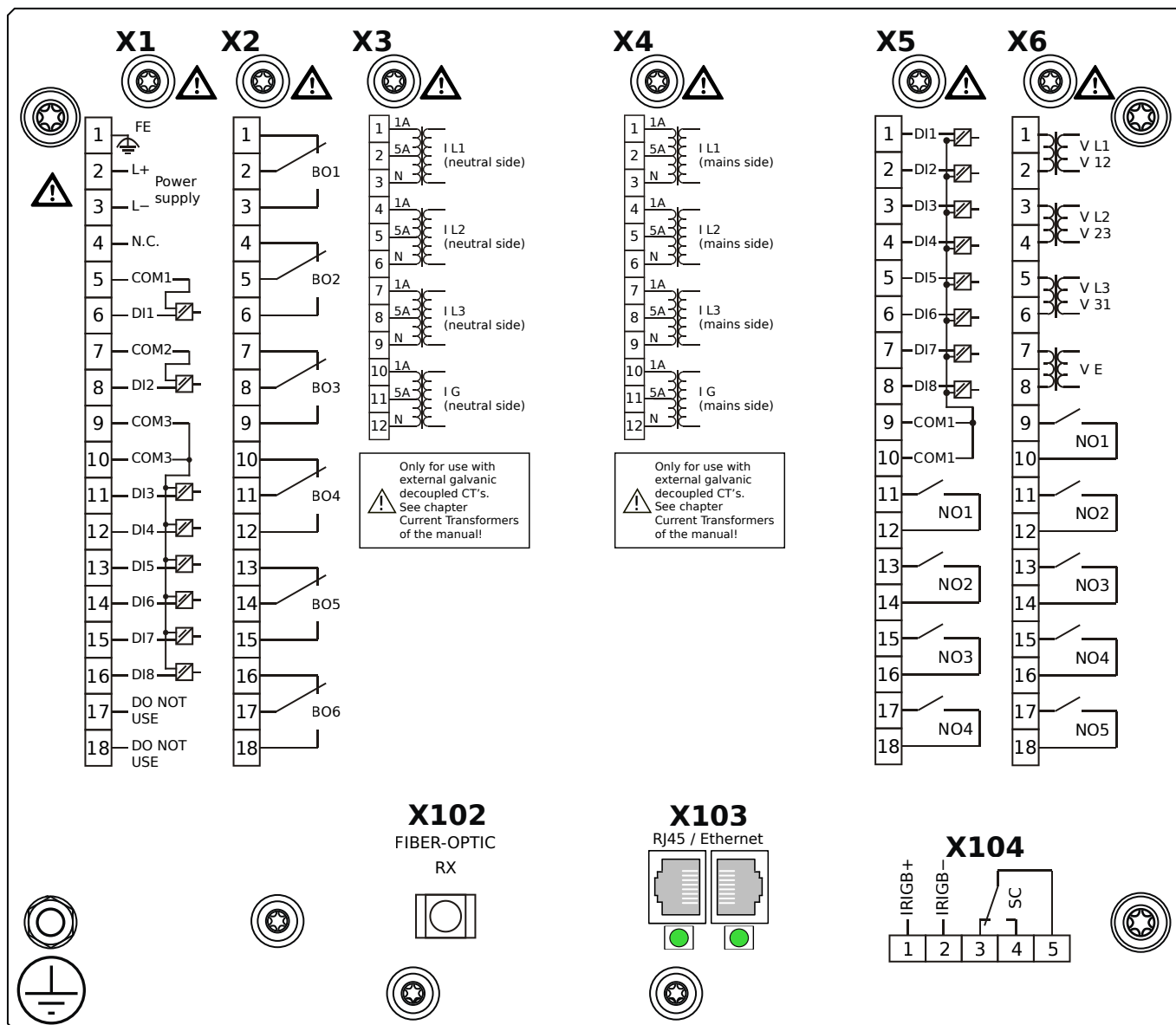
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45
- (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D0BRB



Housing B2, large display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TI: Standard current measuring card (for the neutral side of the differential protection)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)

X6 – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)

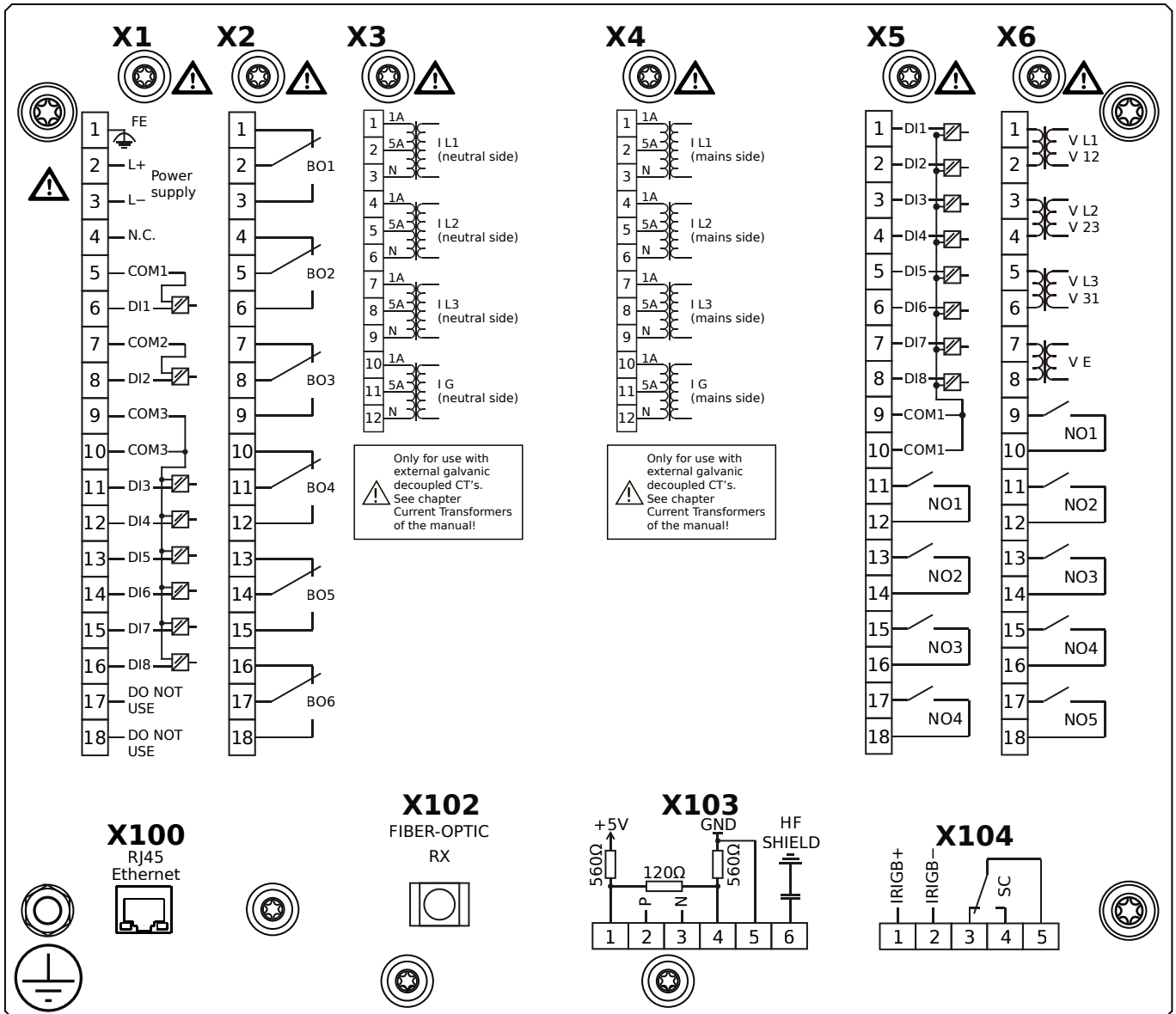
X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45

(BASE100-FX)

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

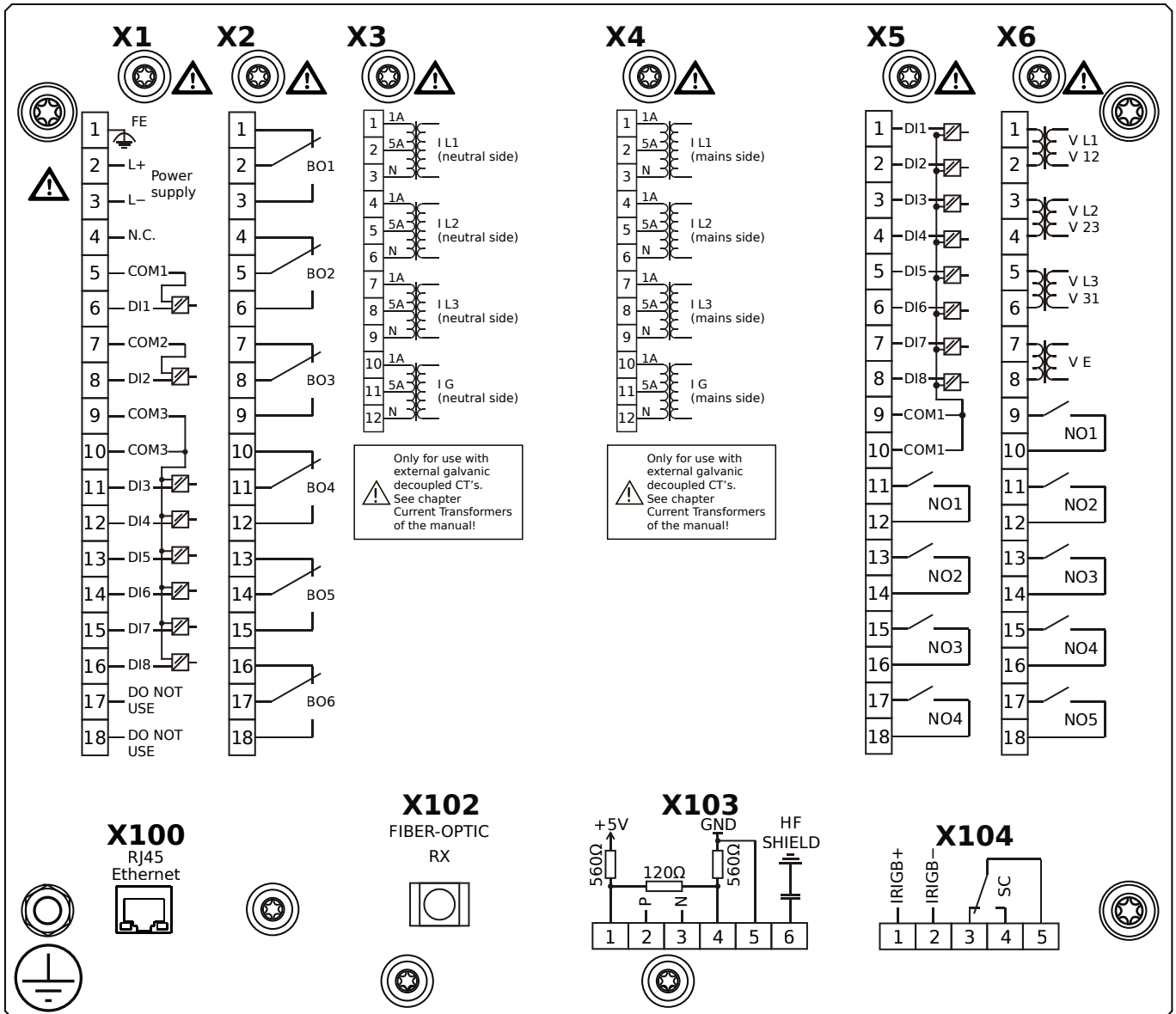
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Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
 - X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
 - X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
 - X4** – TI: Standard current measuring card (for the mains side of the differential protection)
 - X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
 - X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
 - X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-
- FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
 - X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
 - X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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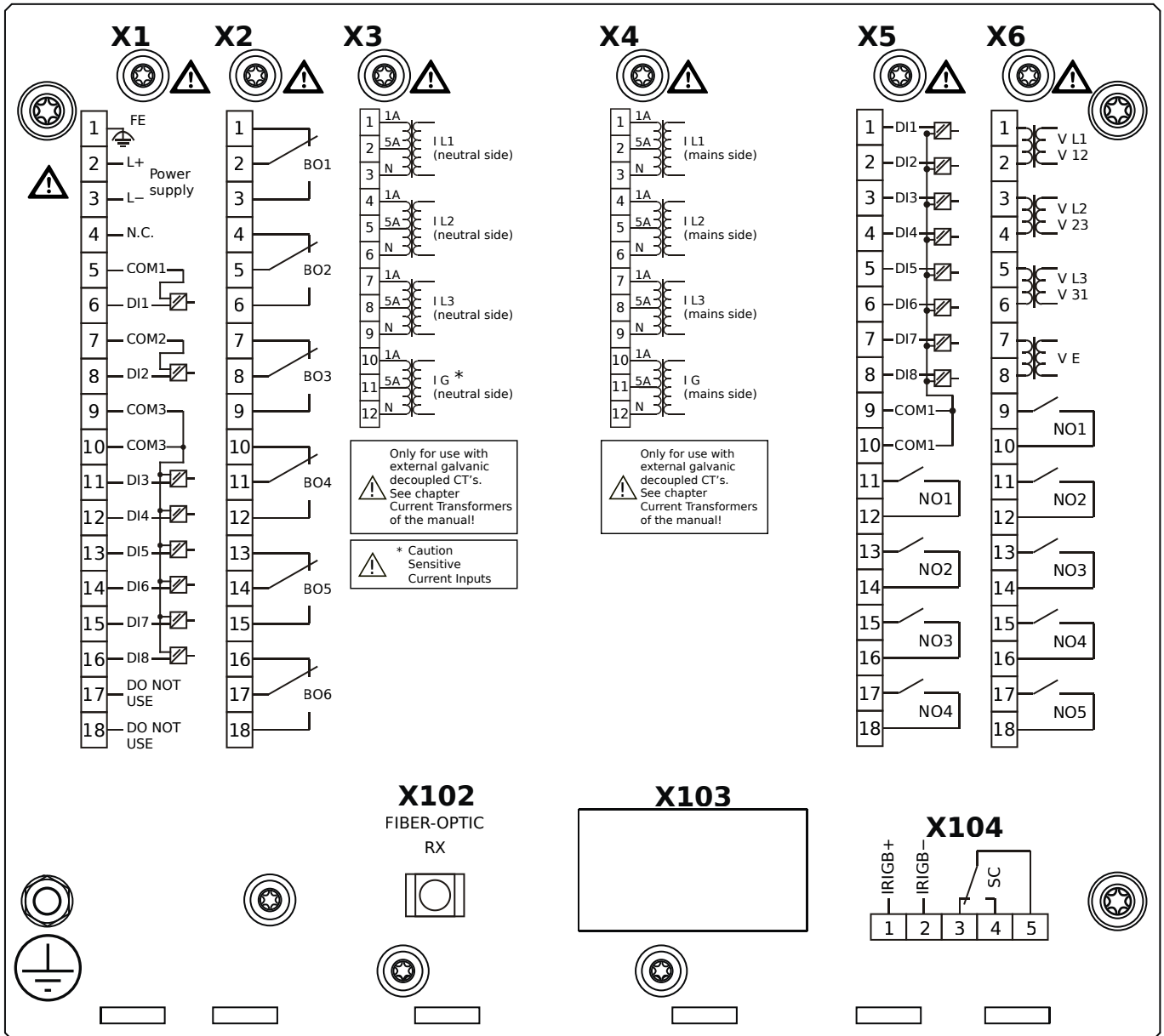


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TI: Standard current measuring card (for the neutral side of the differential protection)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-
FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

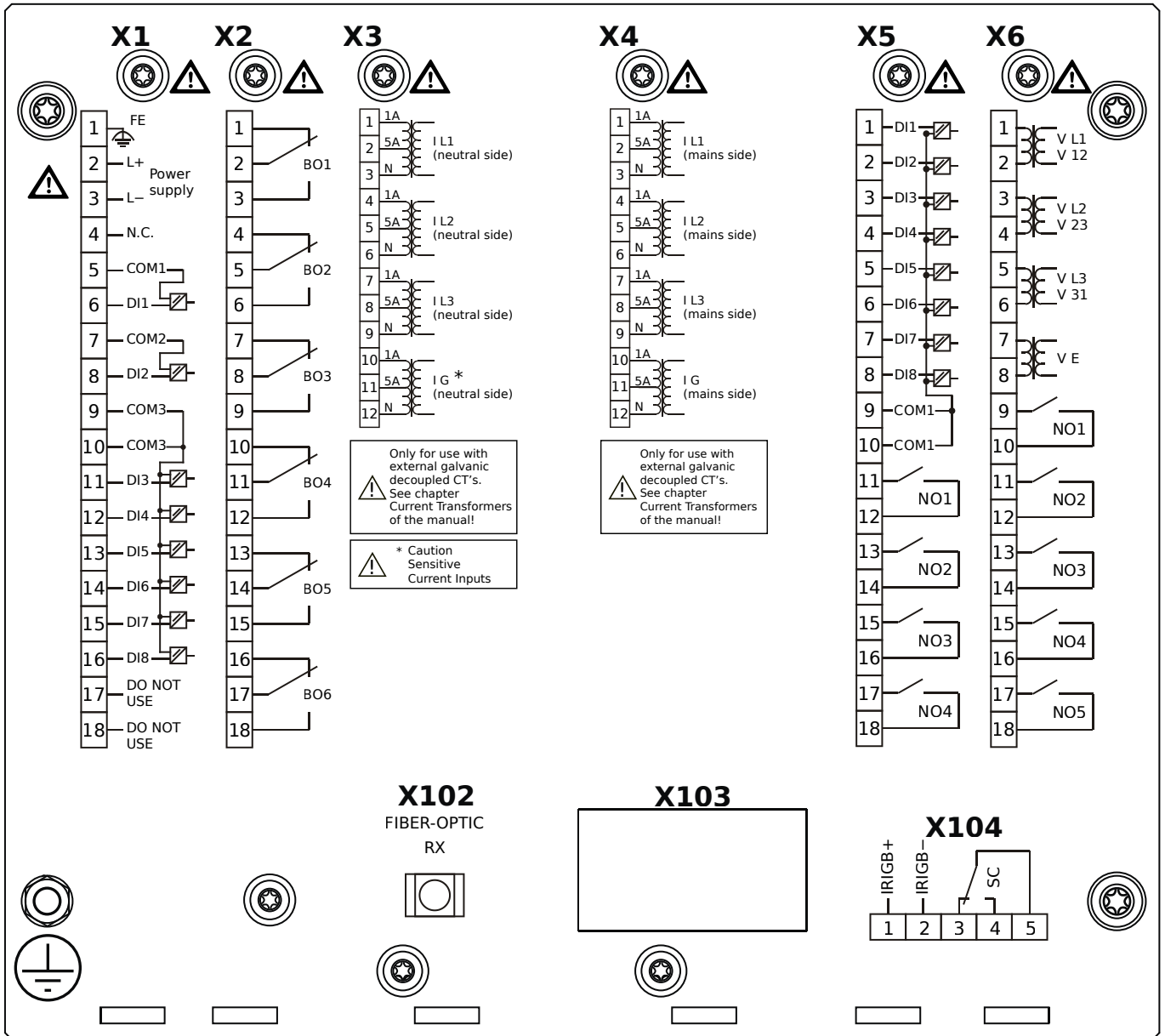
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Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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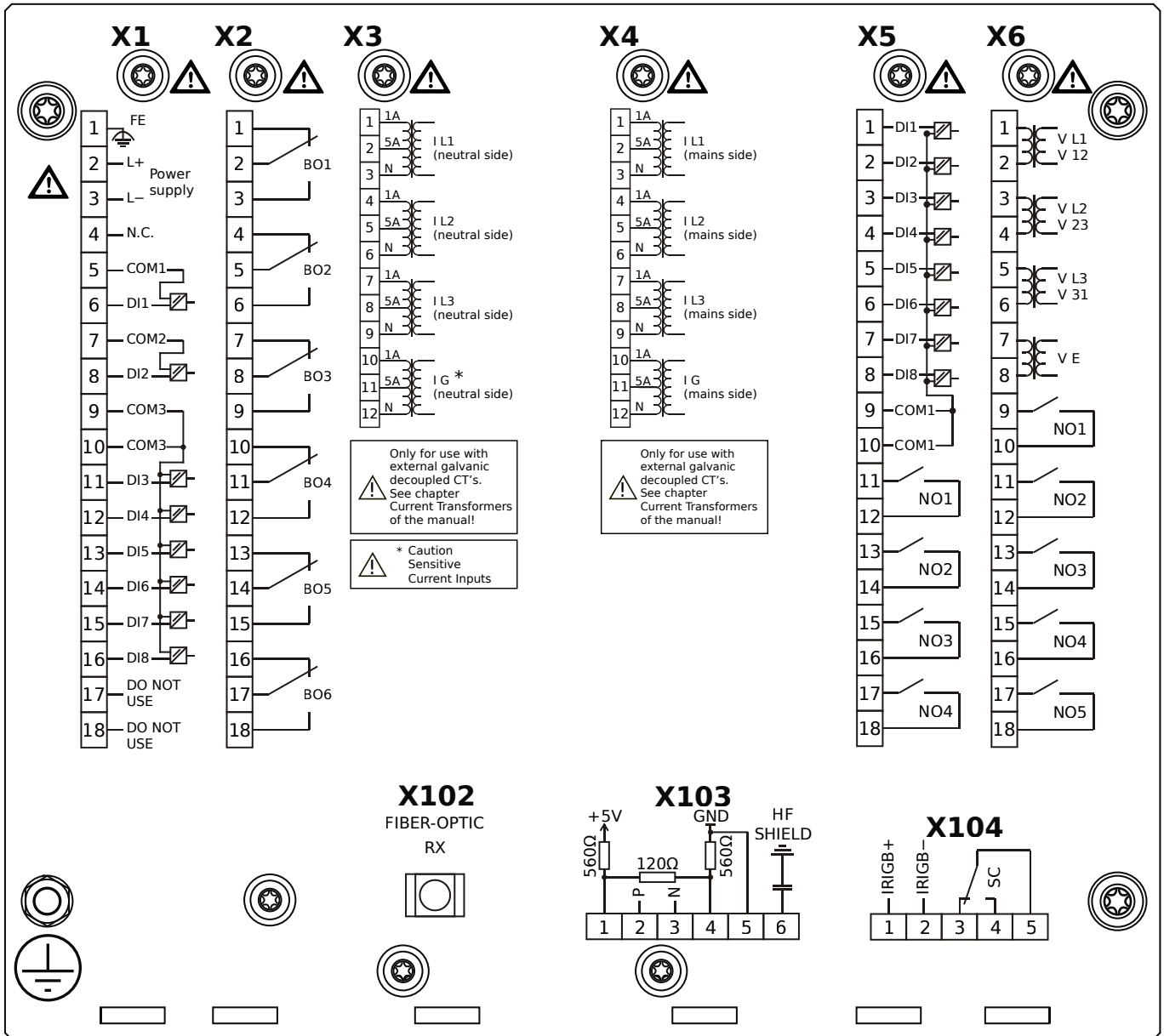


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

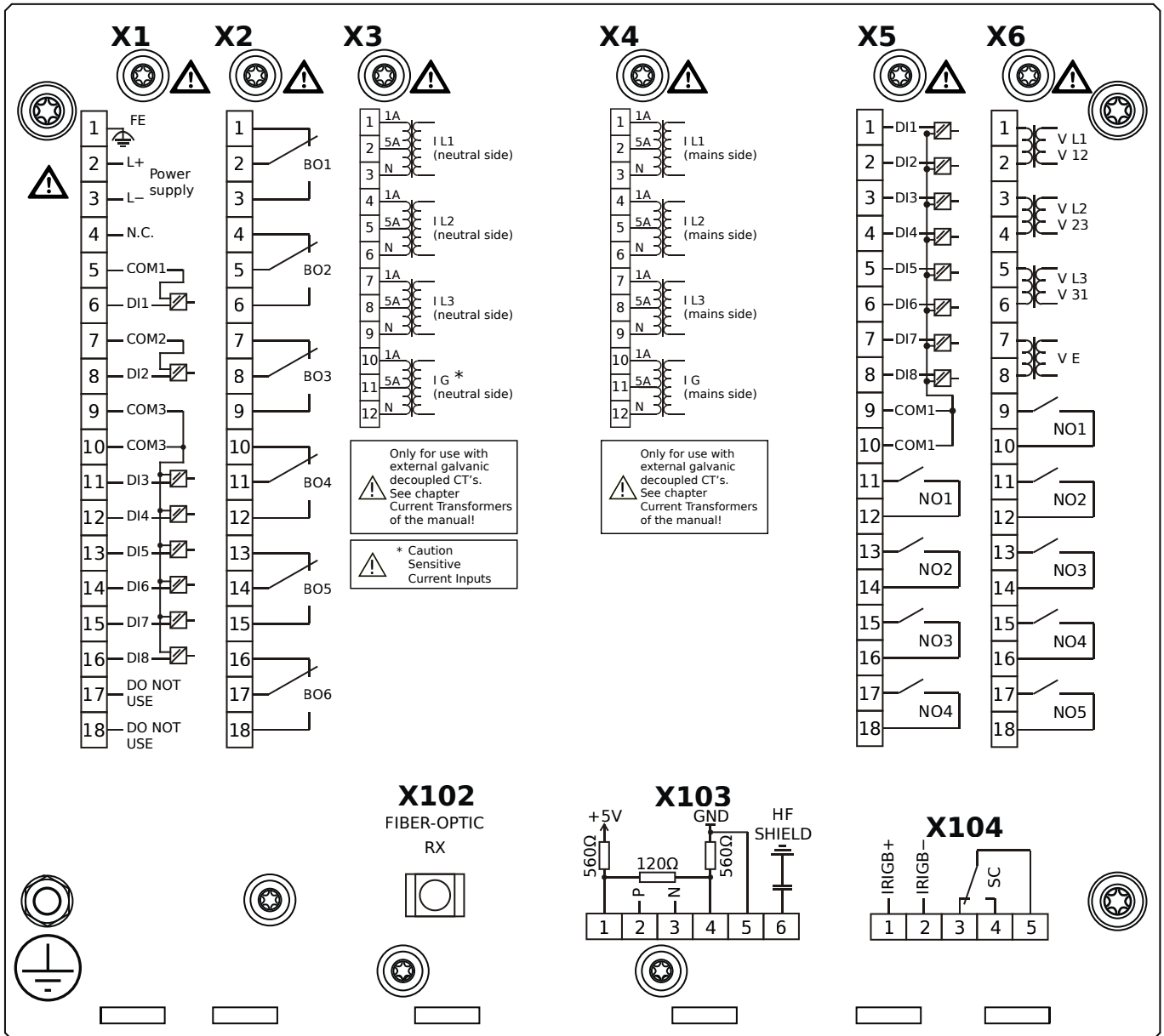
MCDGV4-2D1ABA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1ABB

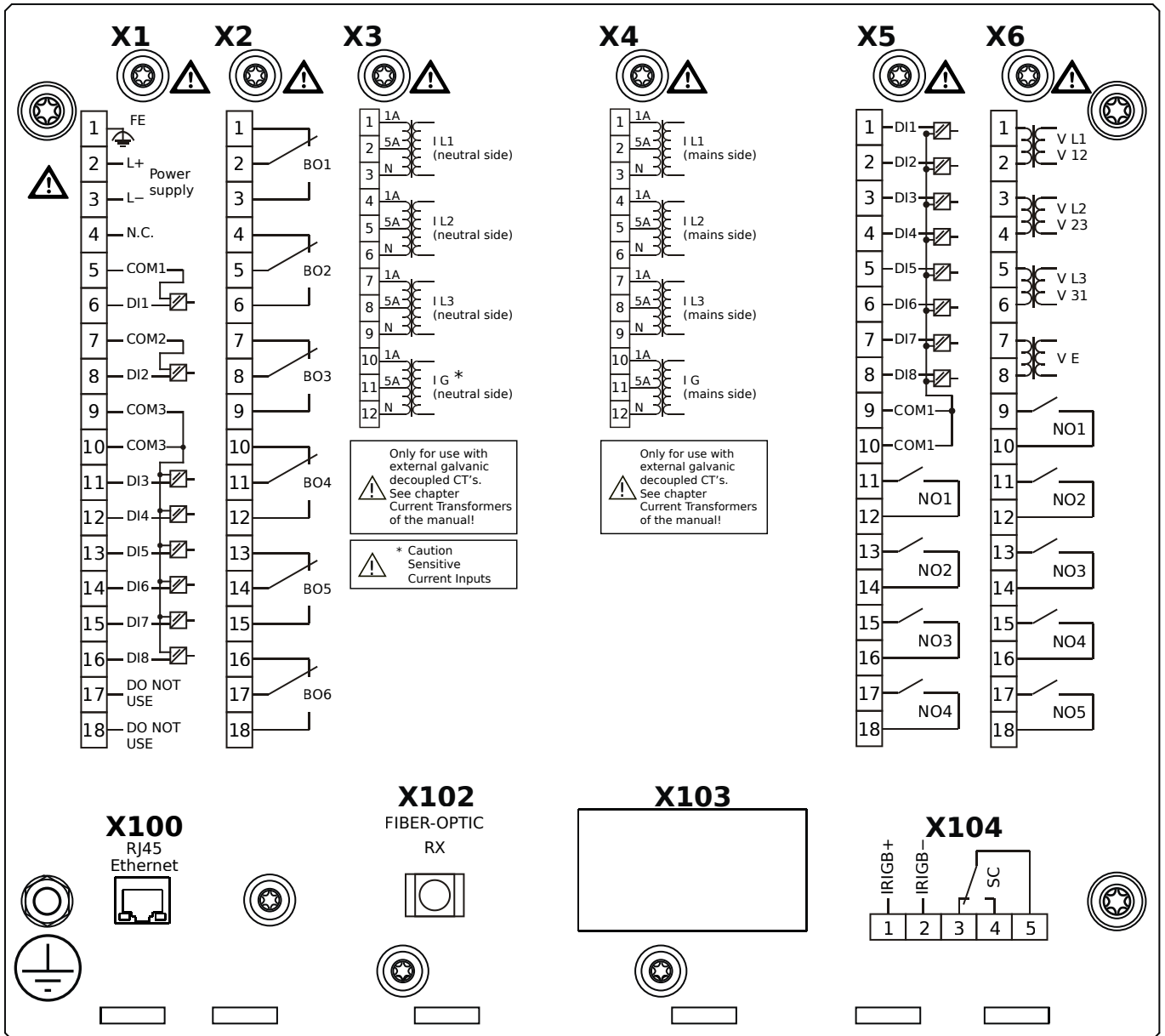


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

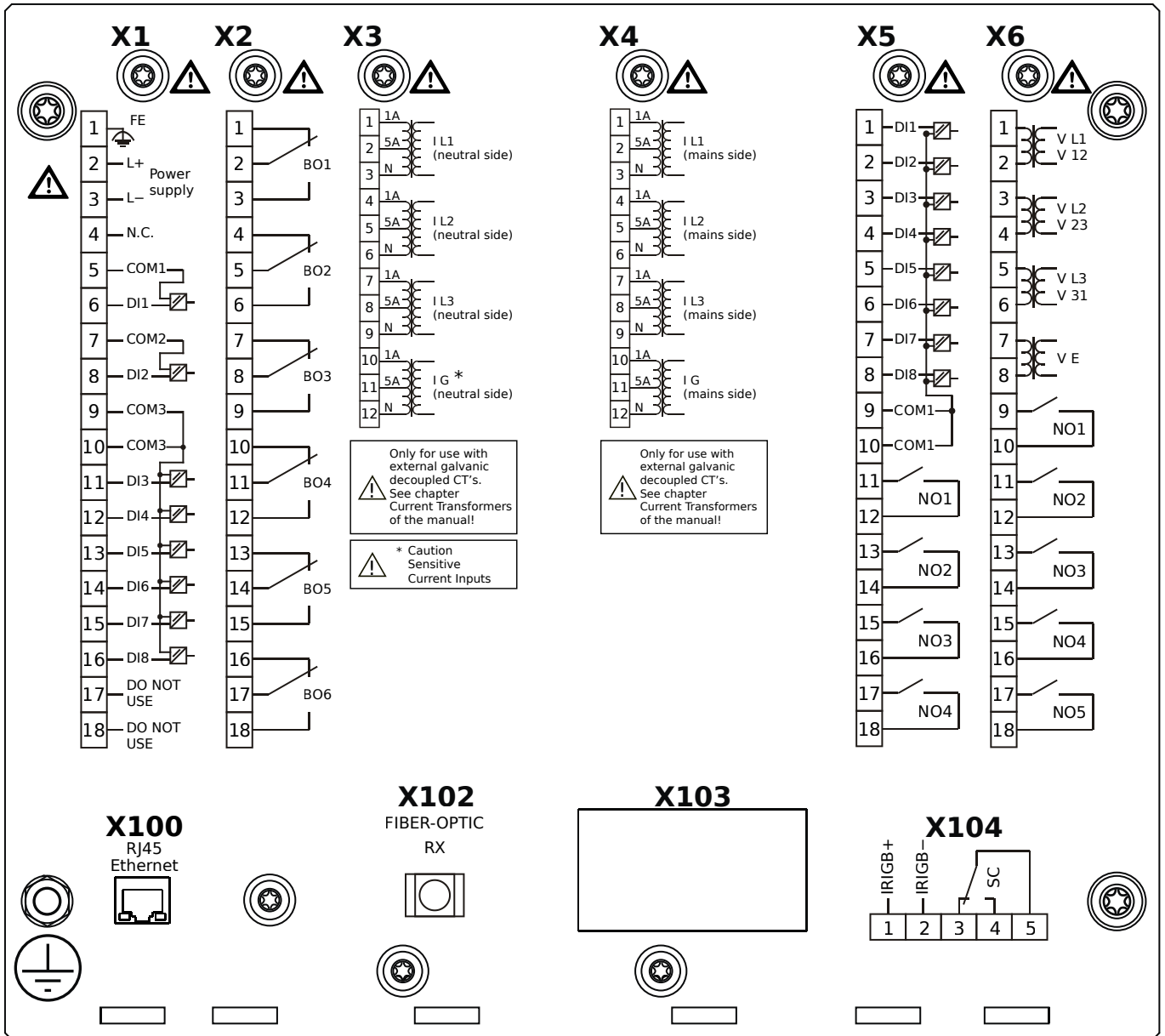
MCDGV4-2D1ACA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1ACB

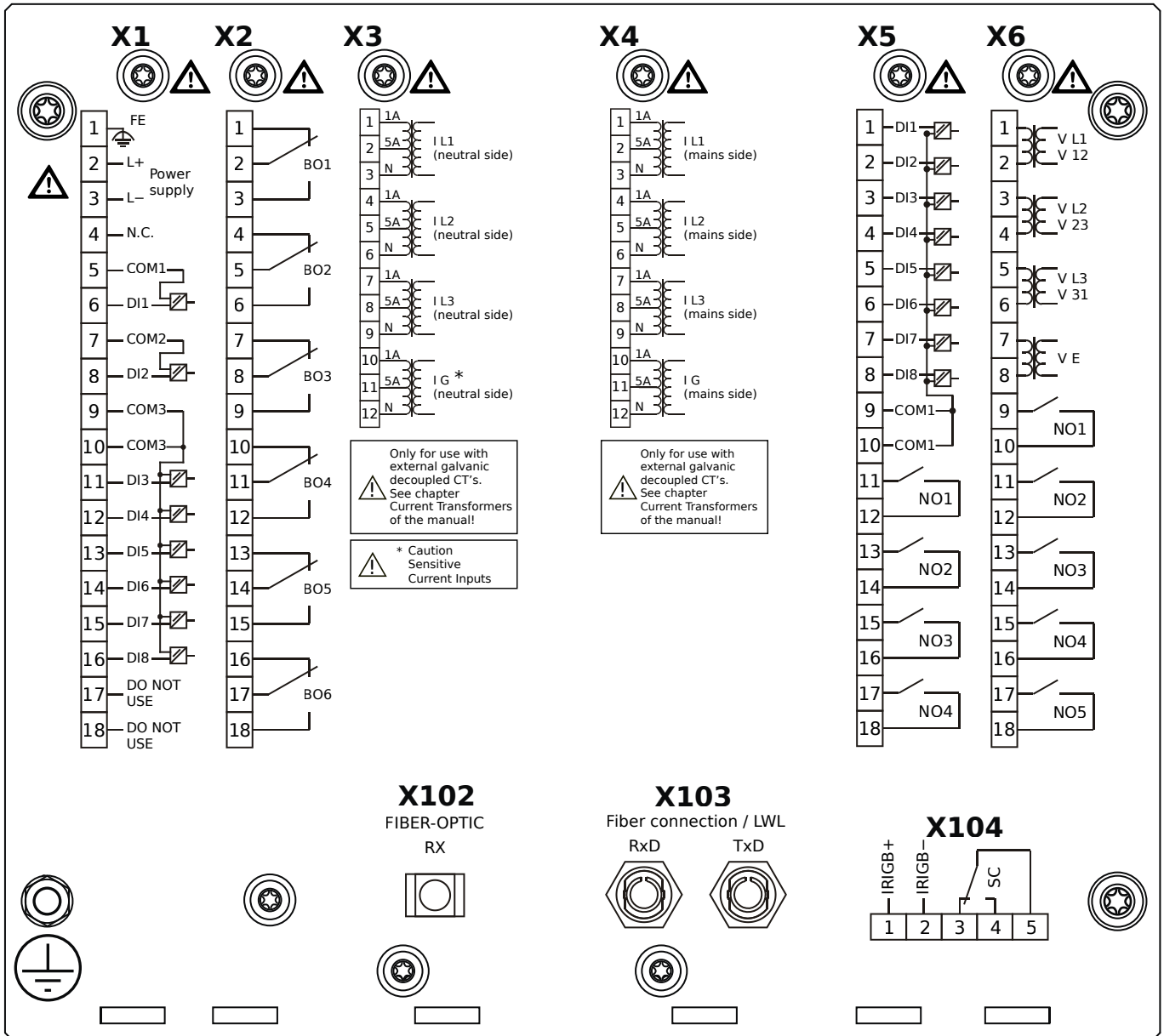


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

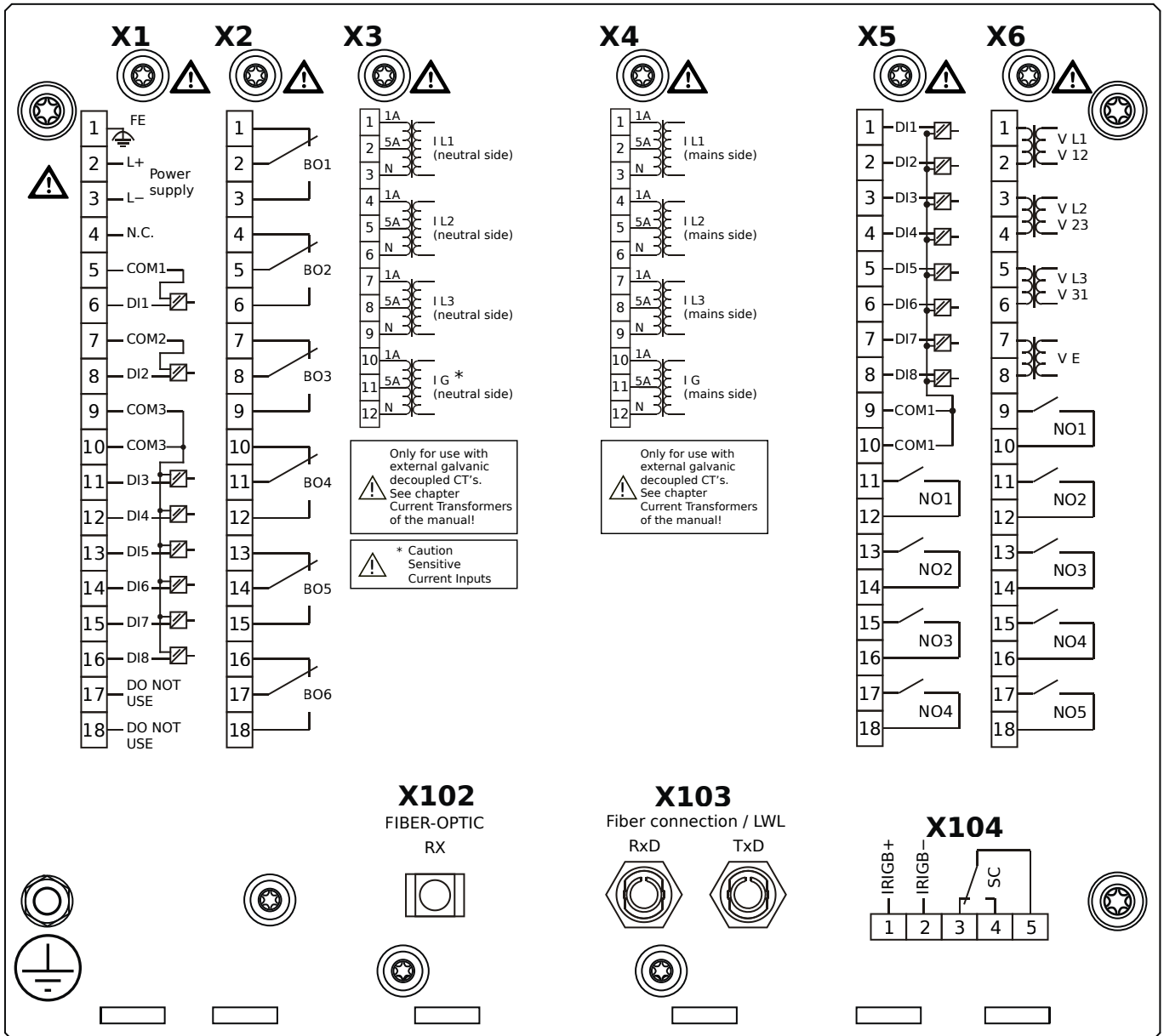
MCDGV4-2D1ADA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1ADB

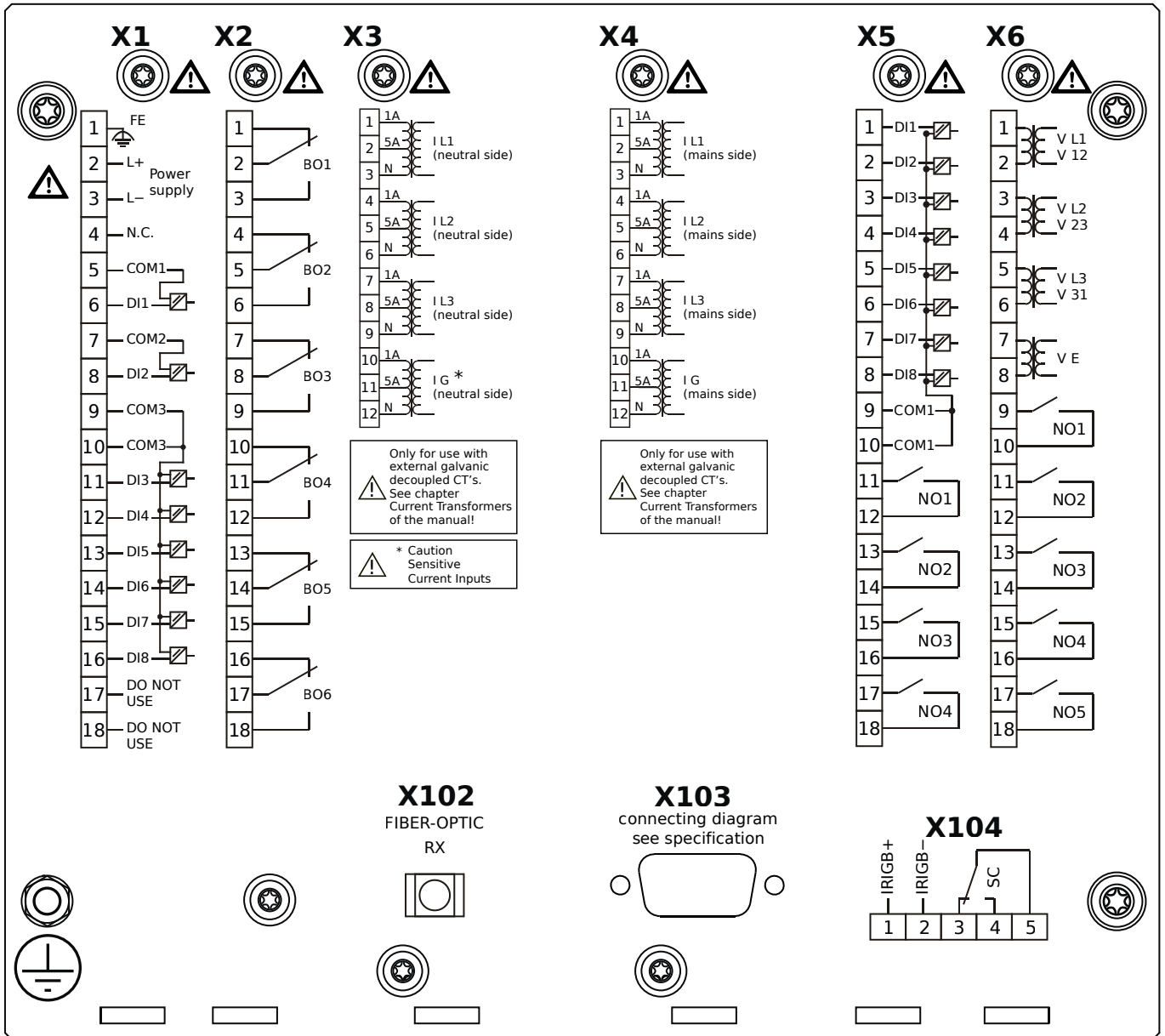


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

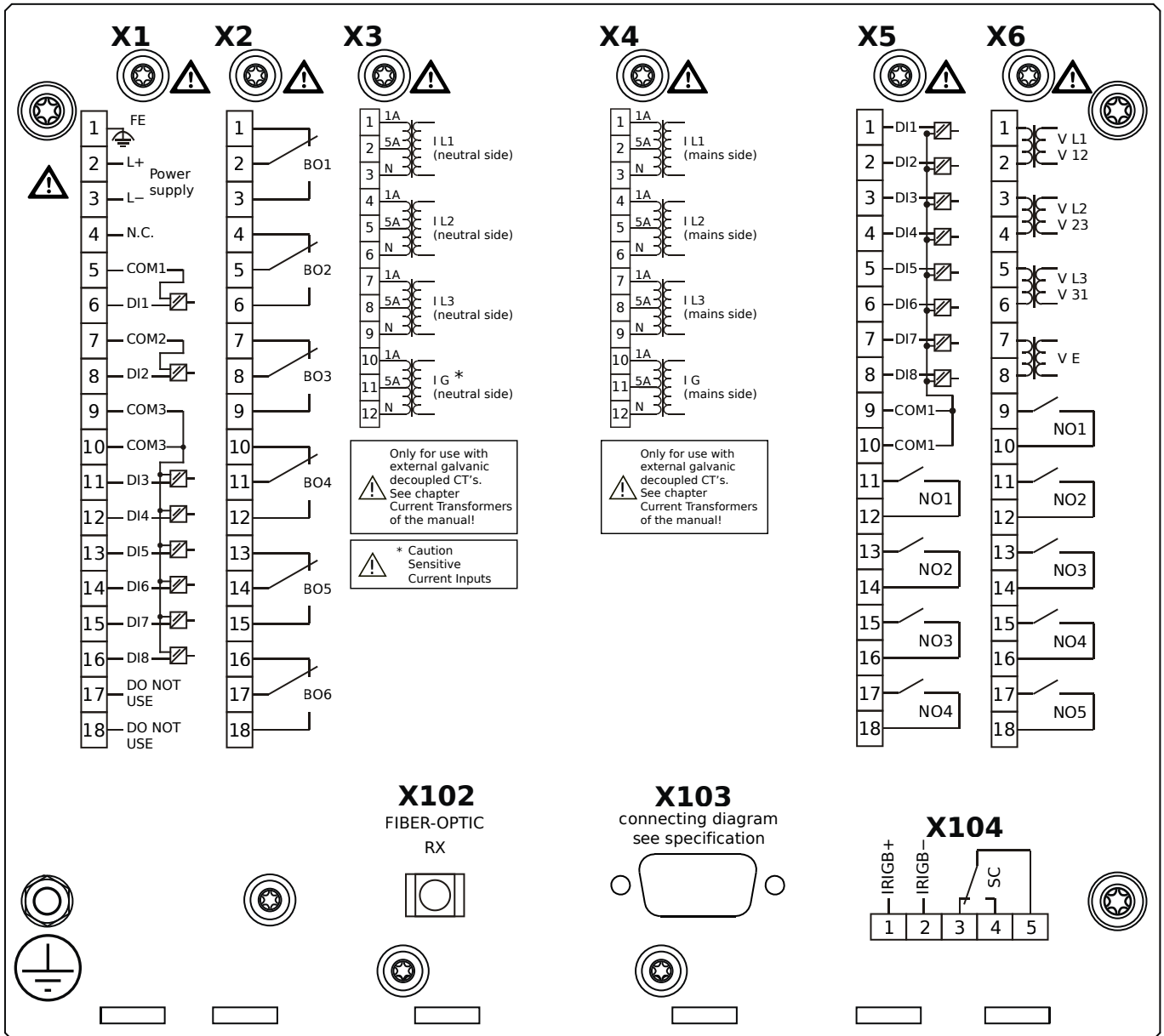
MCDGV4-2D1AEA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1AEB

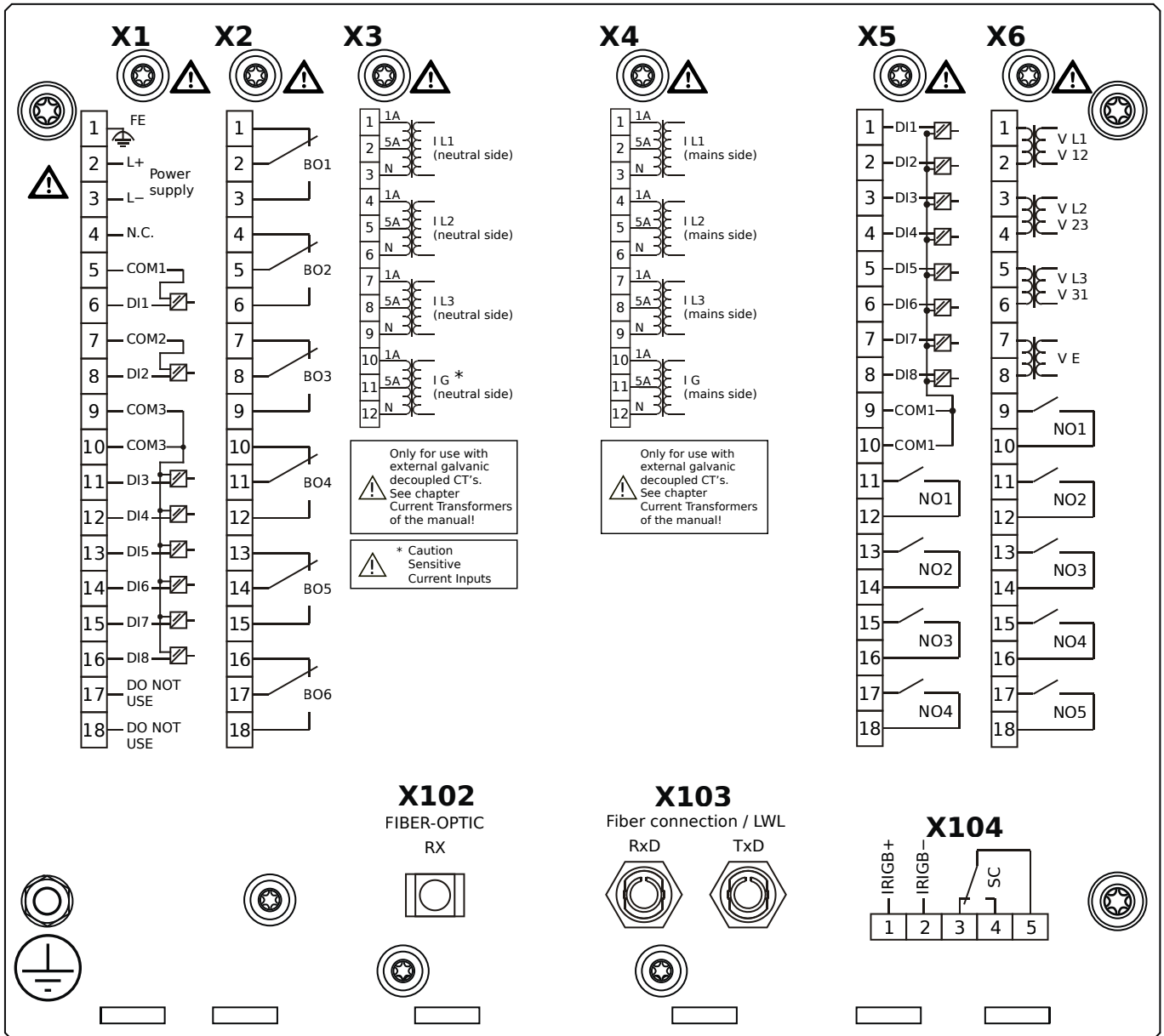


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

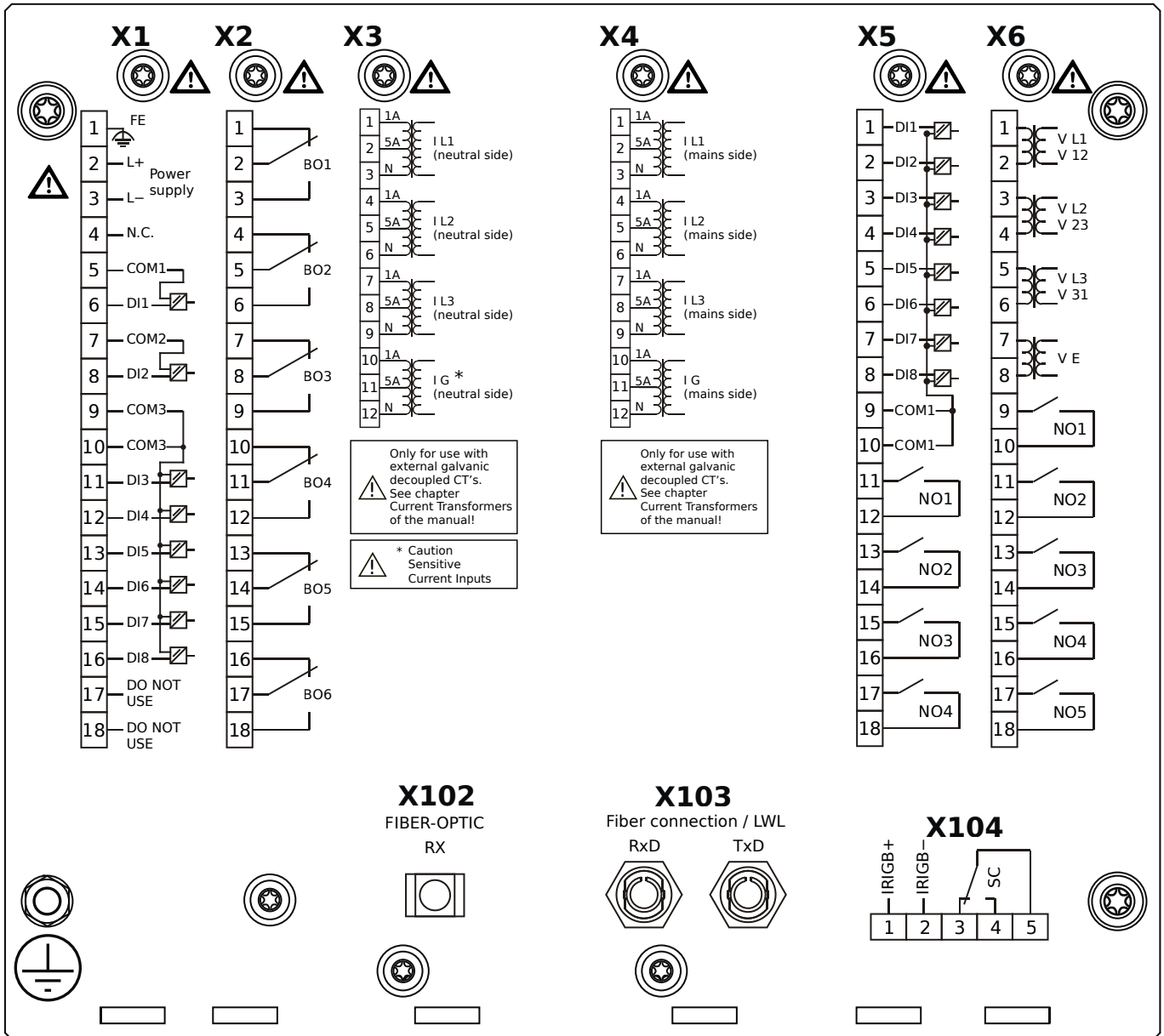
MCDGV4-2D1AFA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1AFB

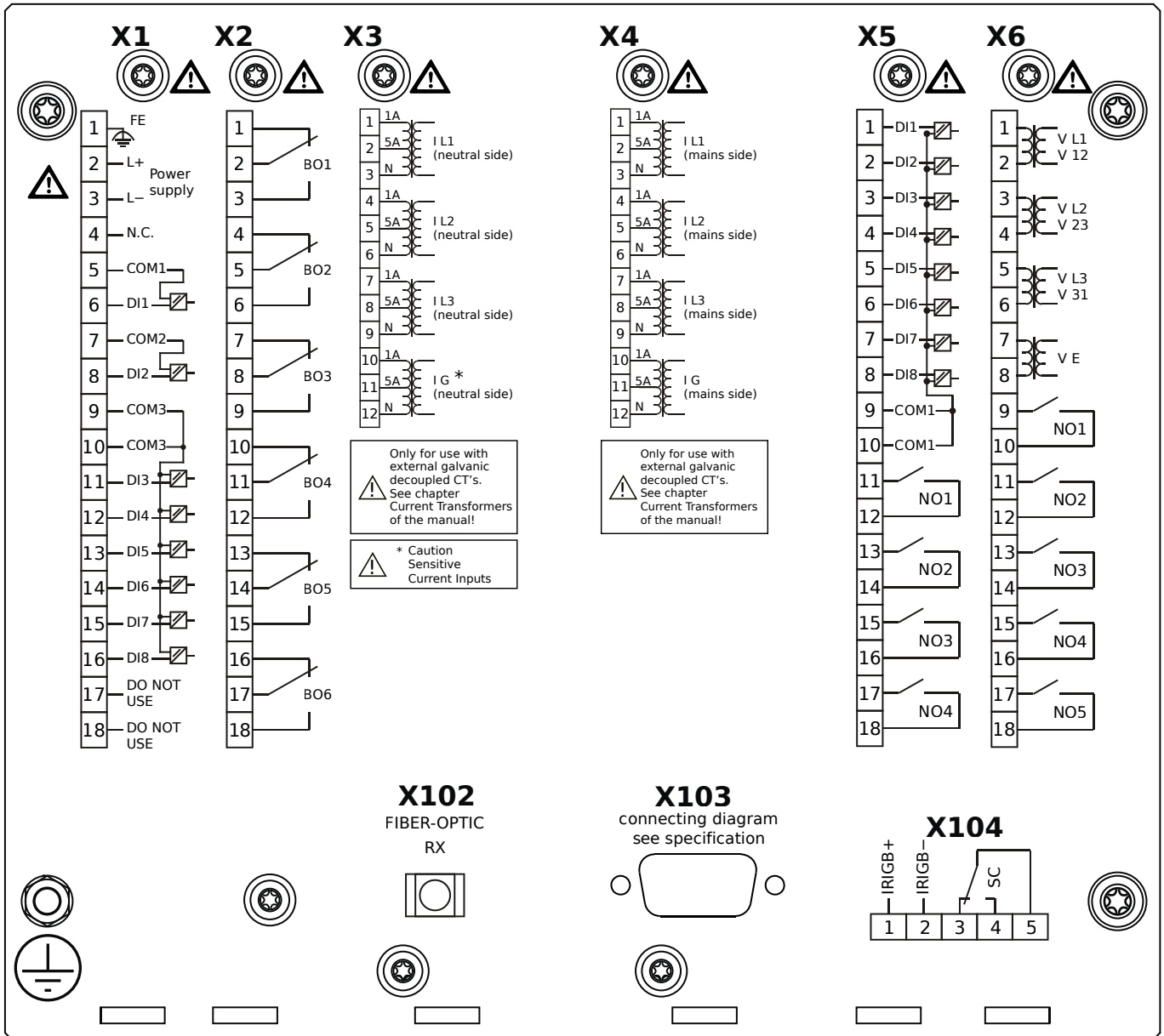


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
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- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

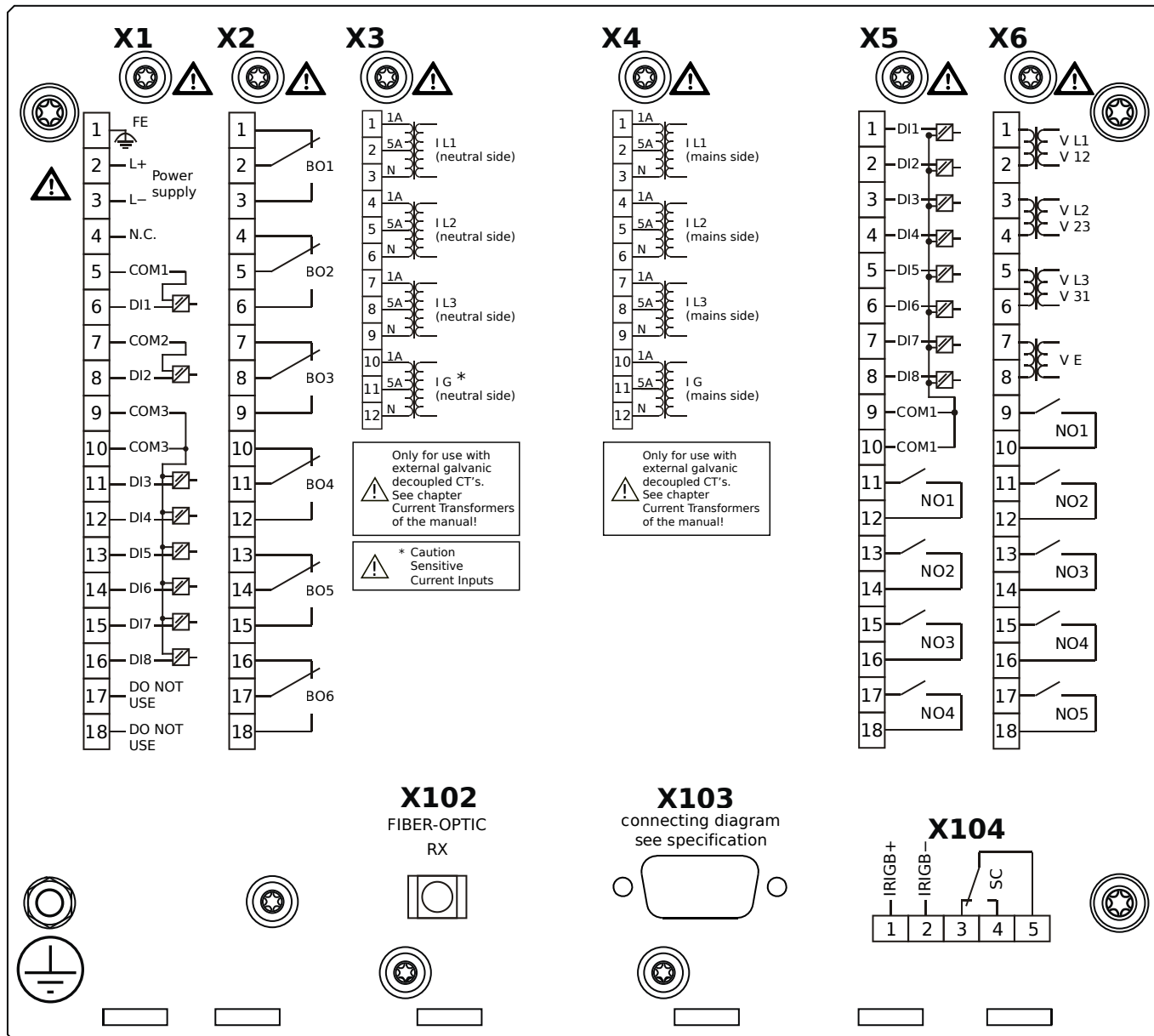
MCDGV4-2D1AGA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1AGB

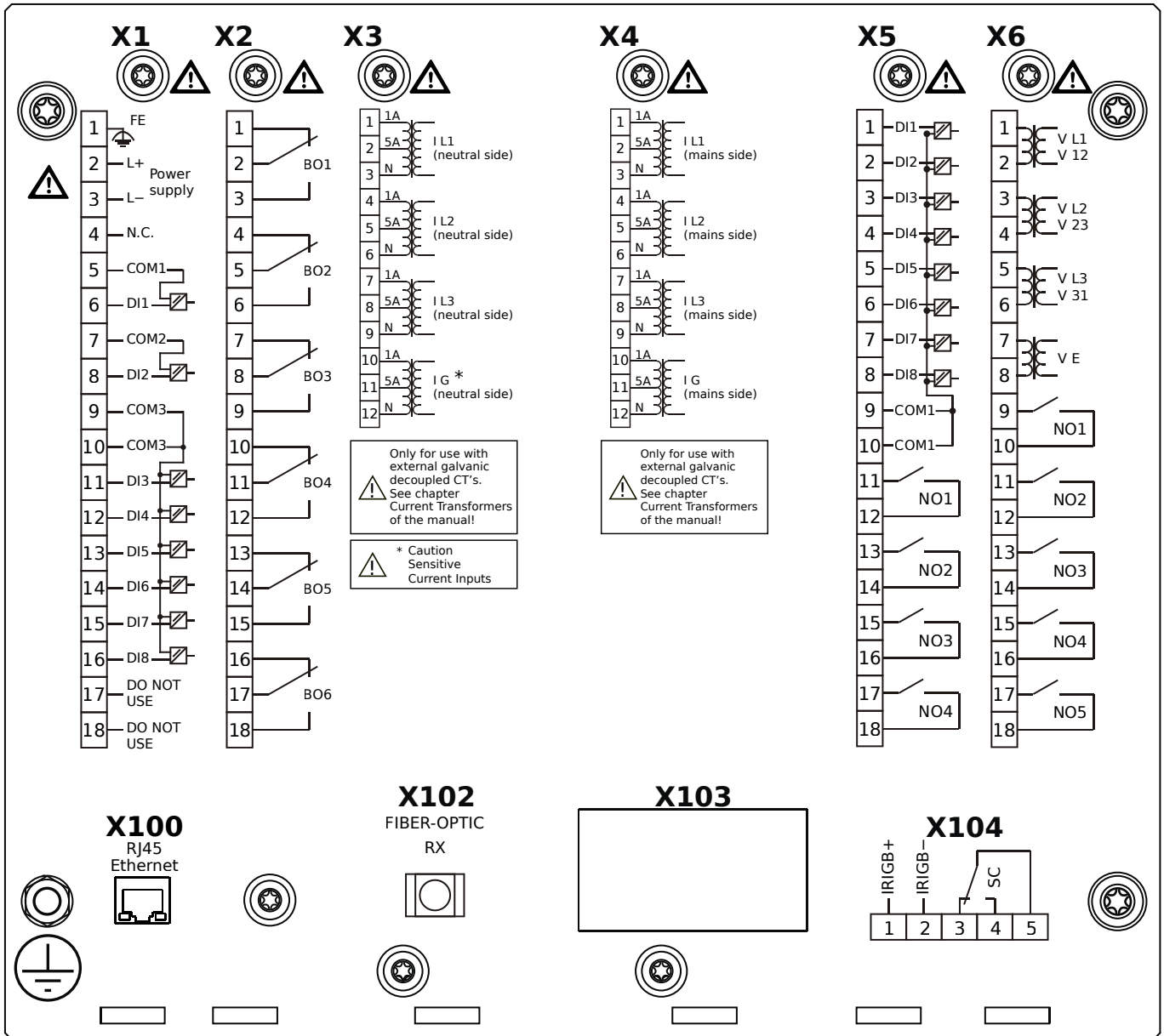


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

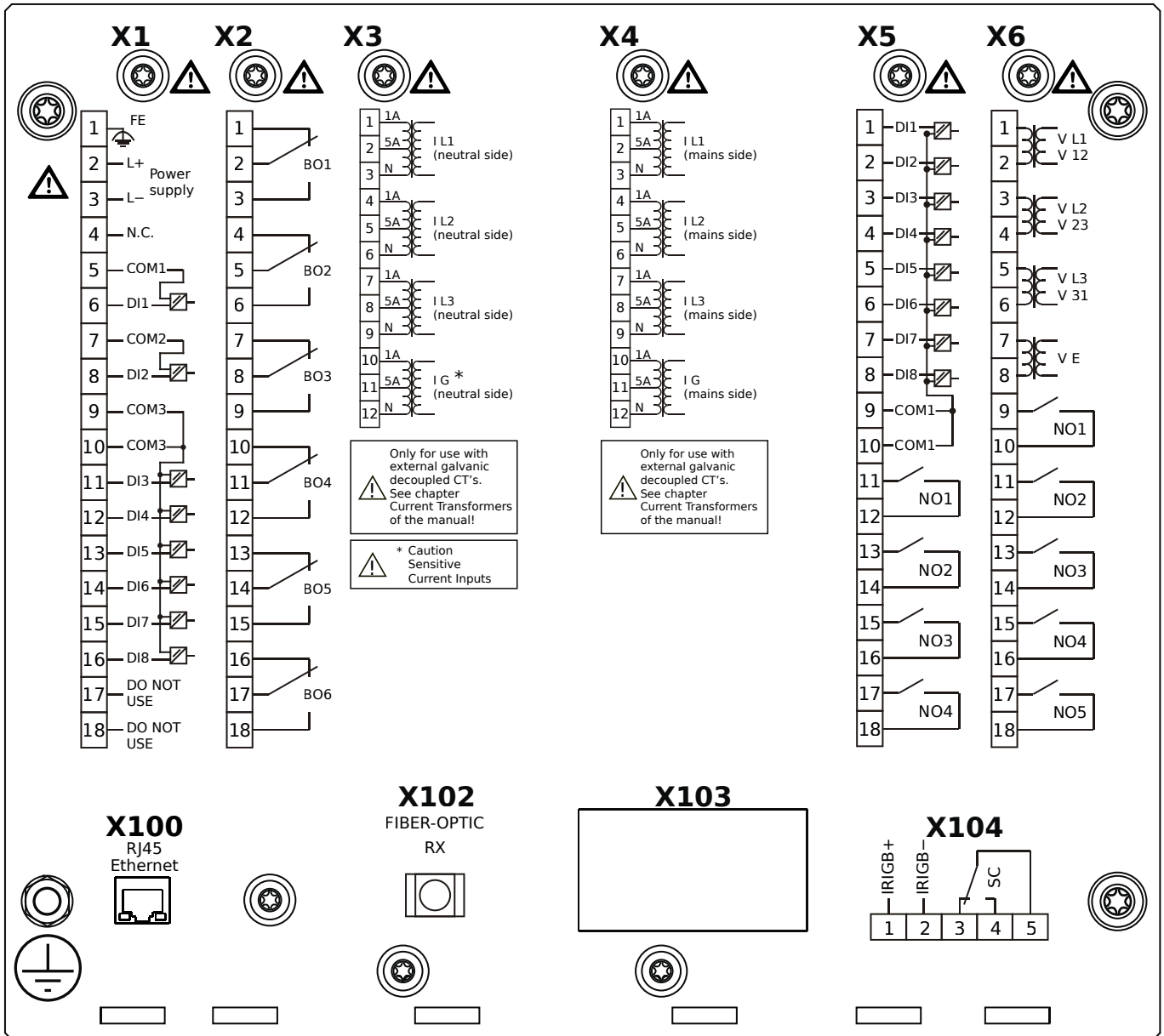
MCDGV4-2D1AHA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1AHB

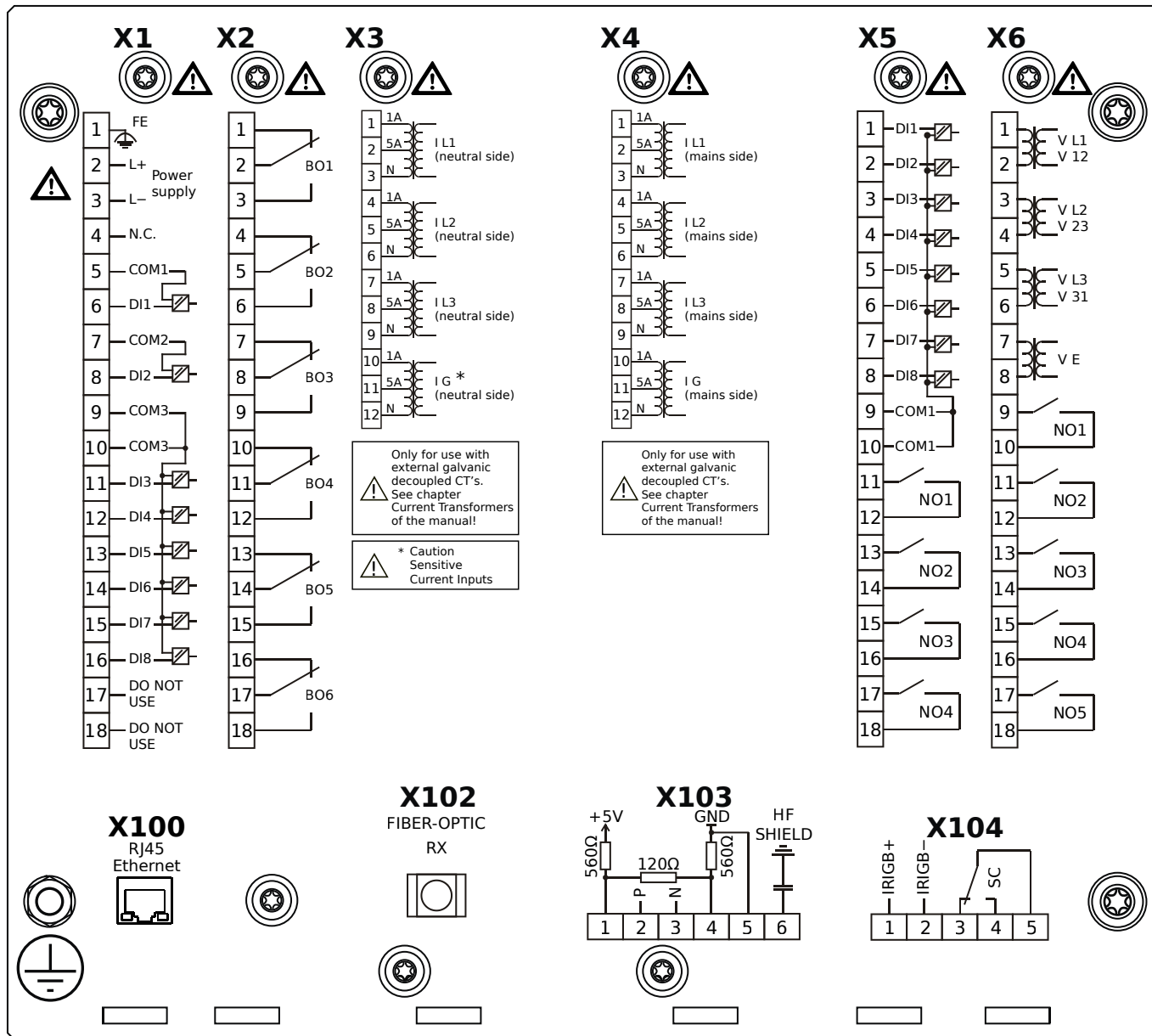


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-
FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

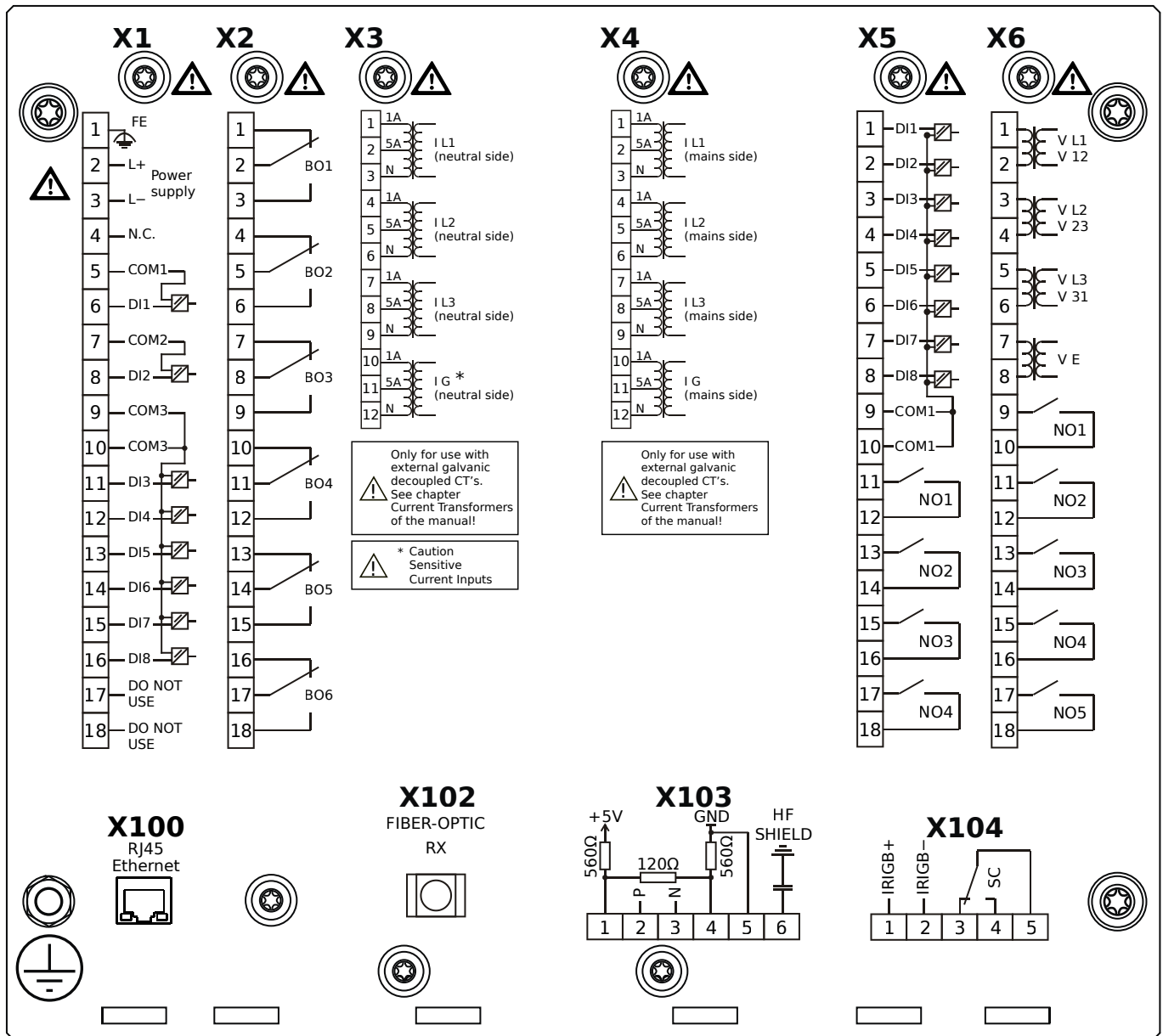
MCDGV4-2D1AIA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1AIB

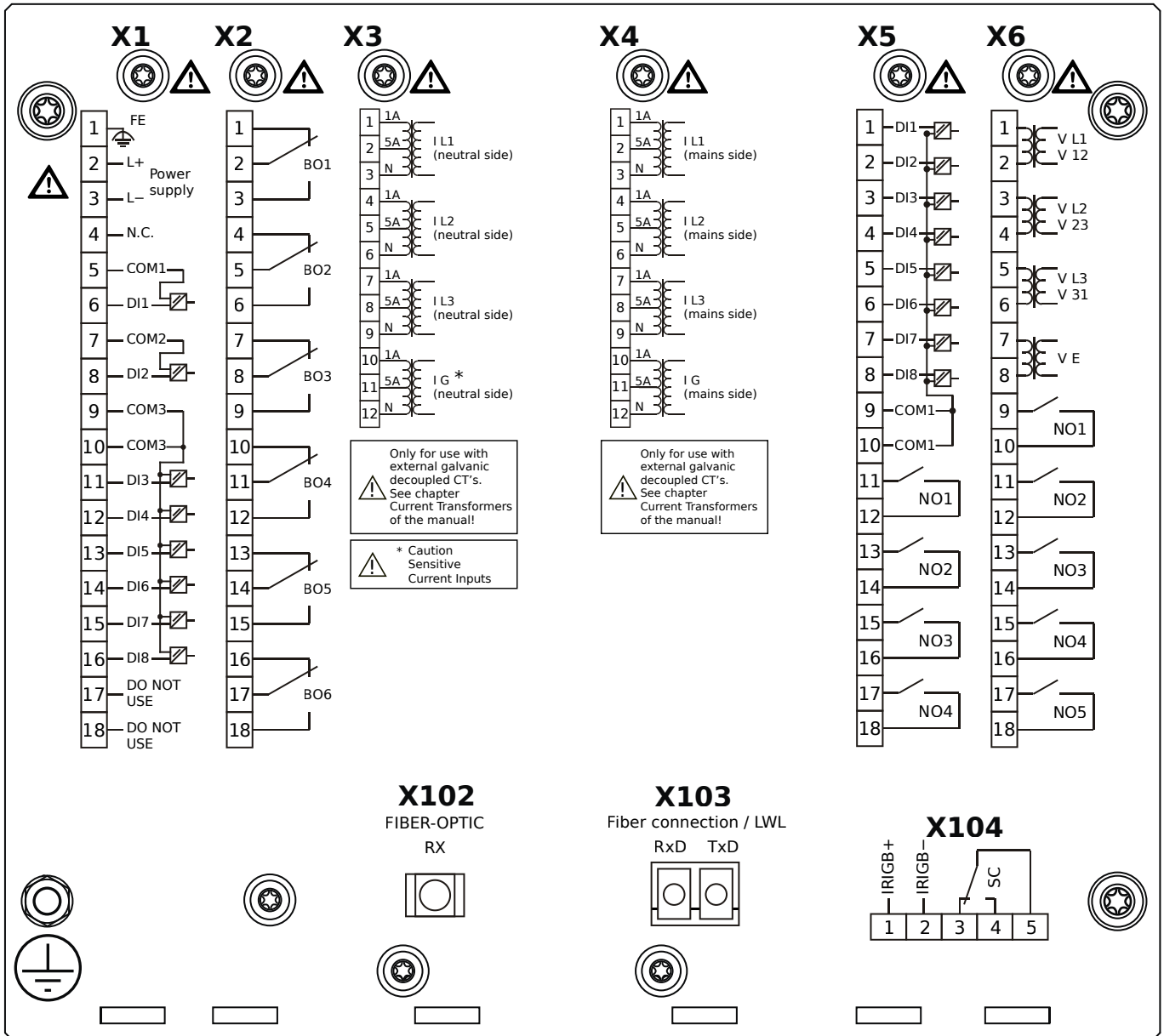


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
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- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

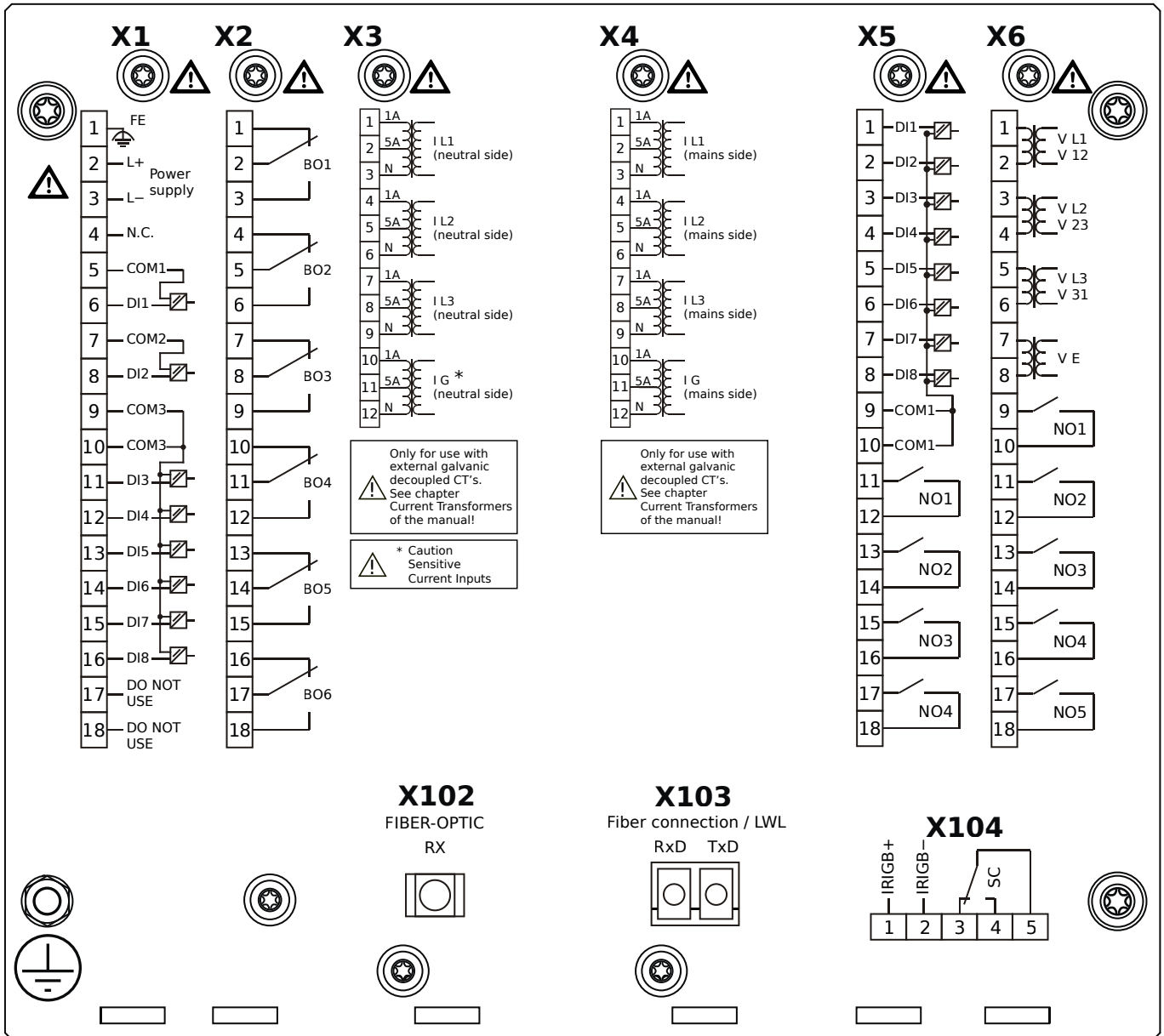
MCDGV4-2D1AKA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1AKB

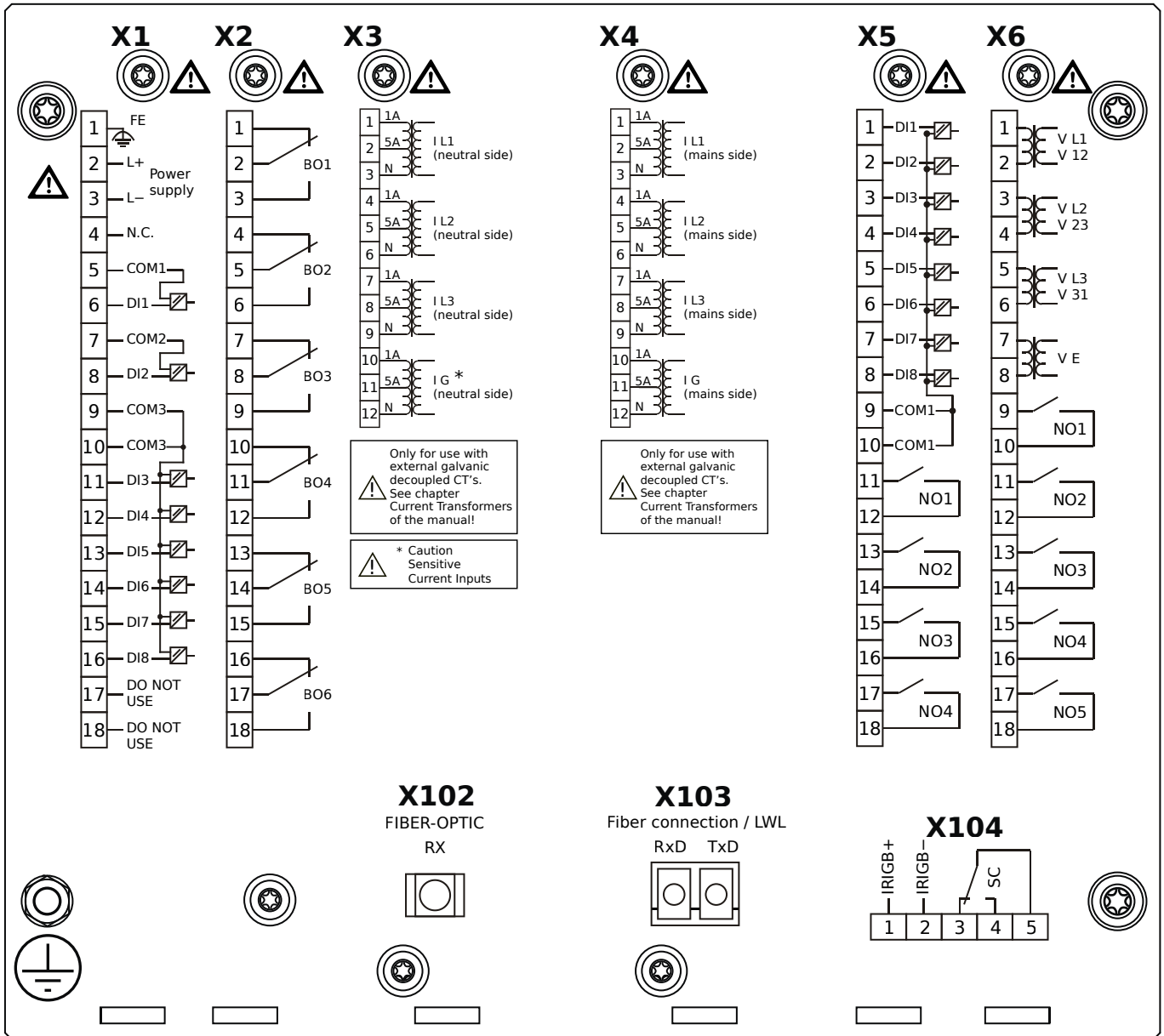


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

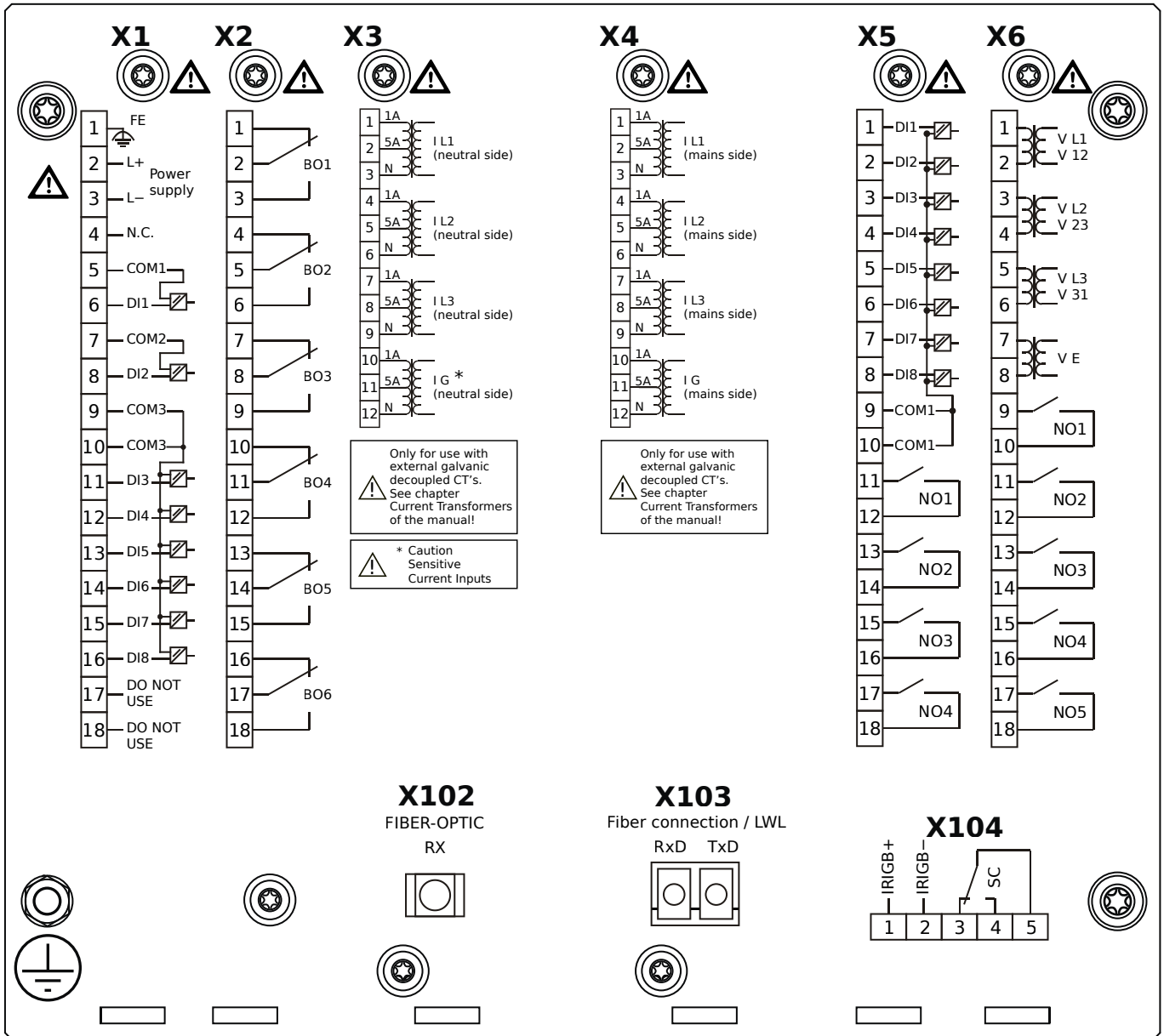
MCDGV4-2D1ALA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1ALB

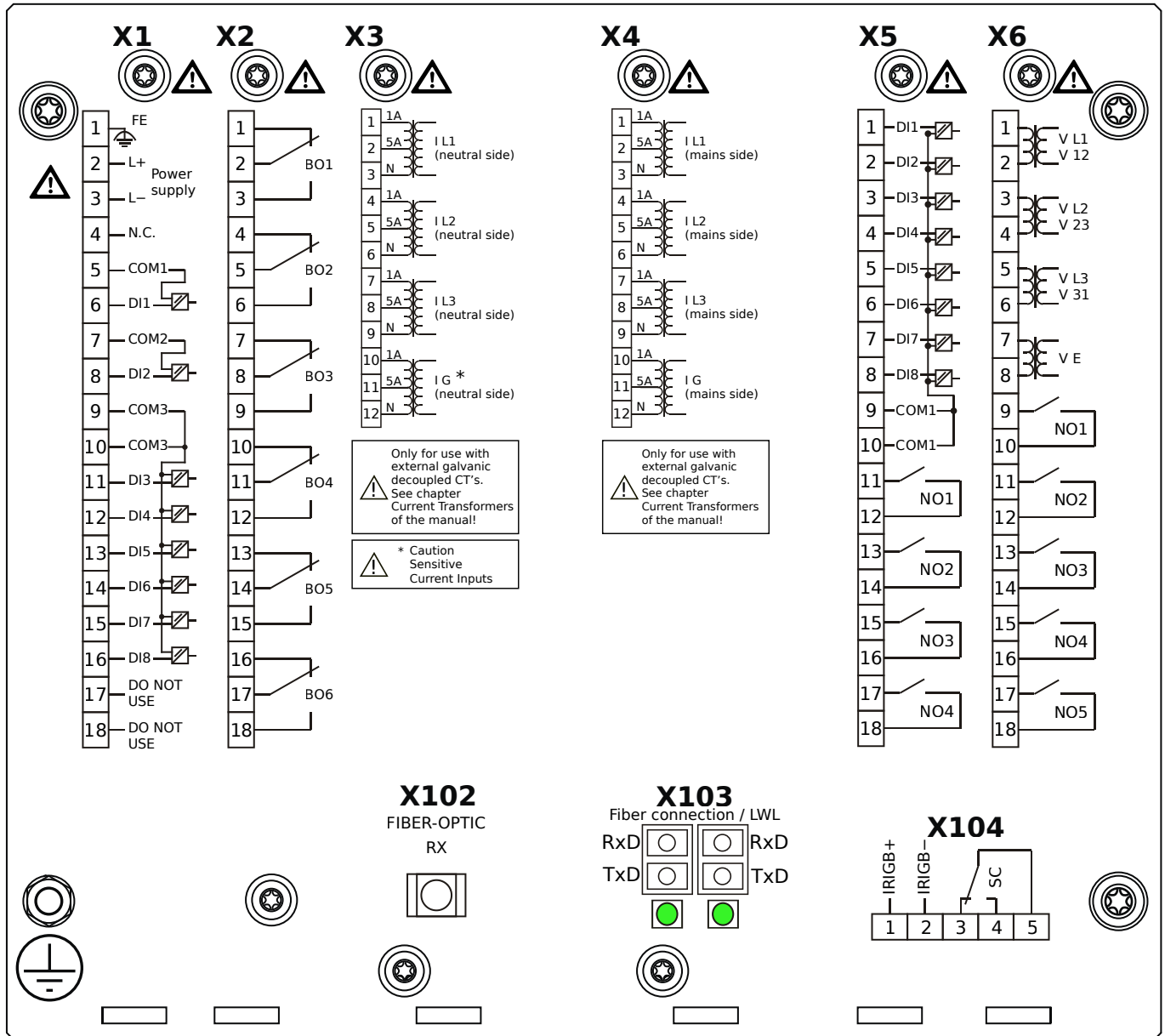


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

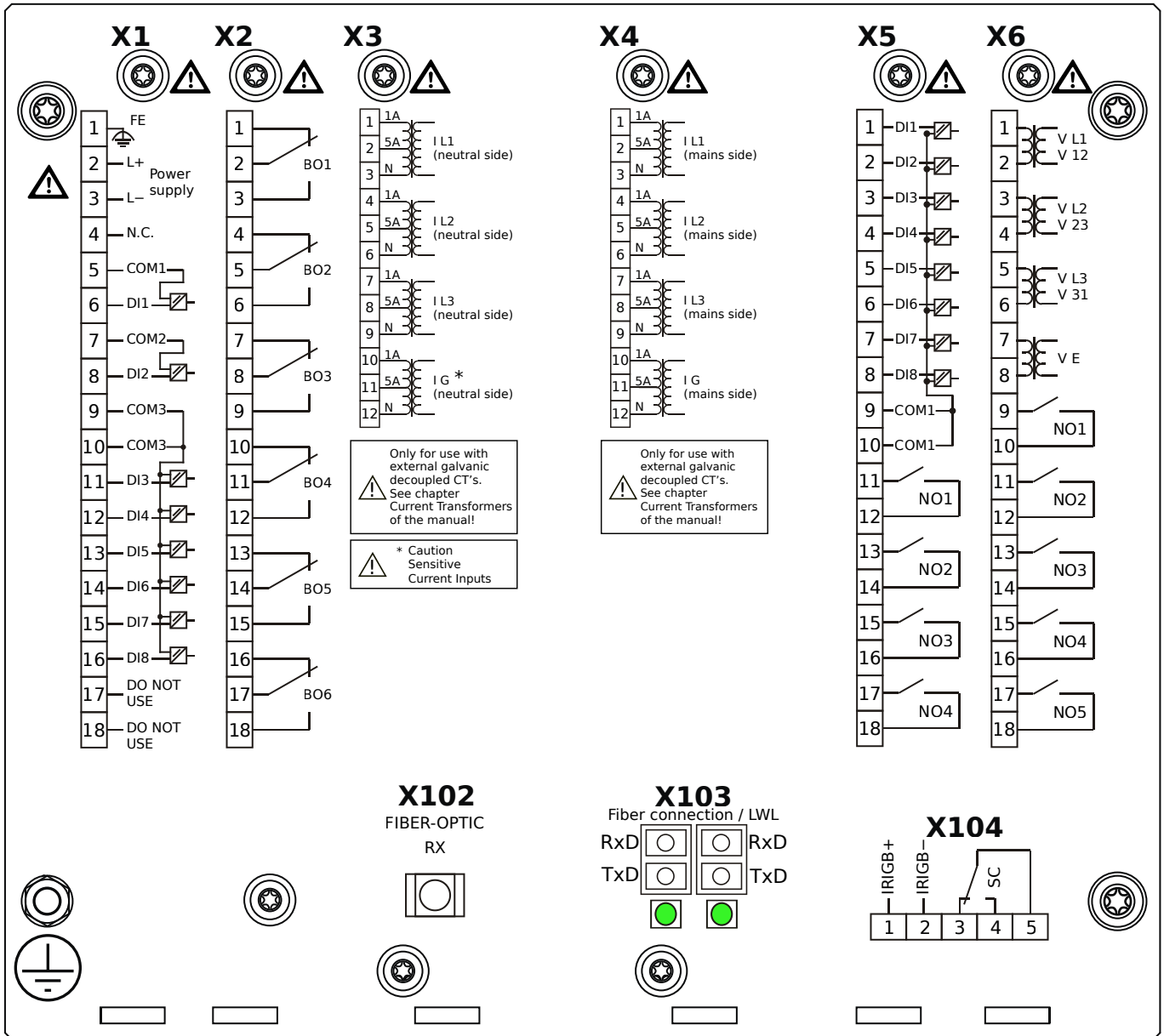
MCDGV4-2D1AOA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1A0B

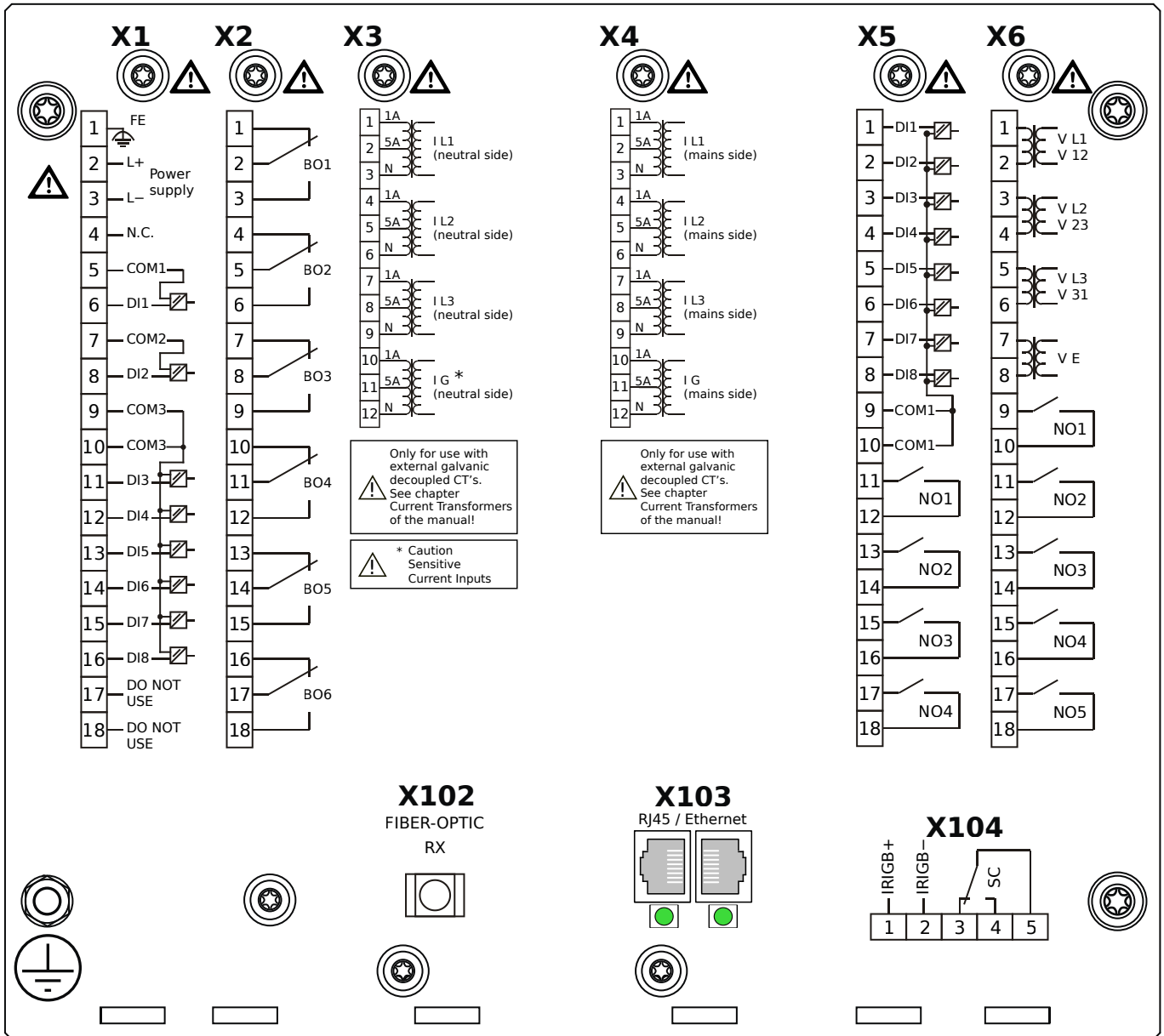


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

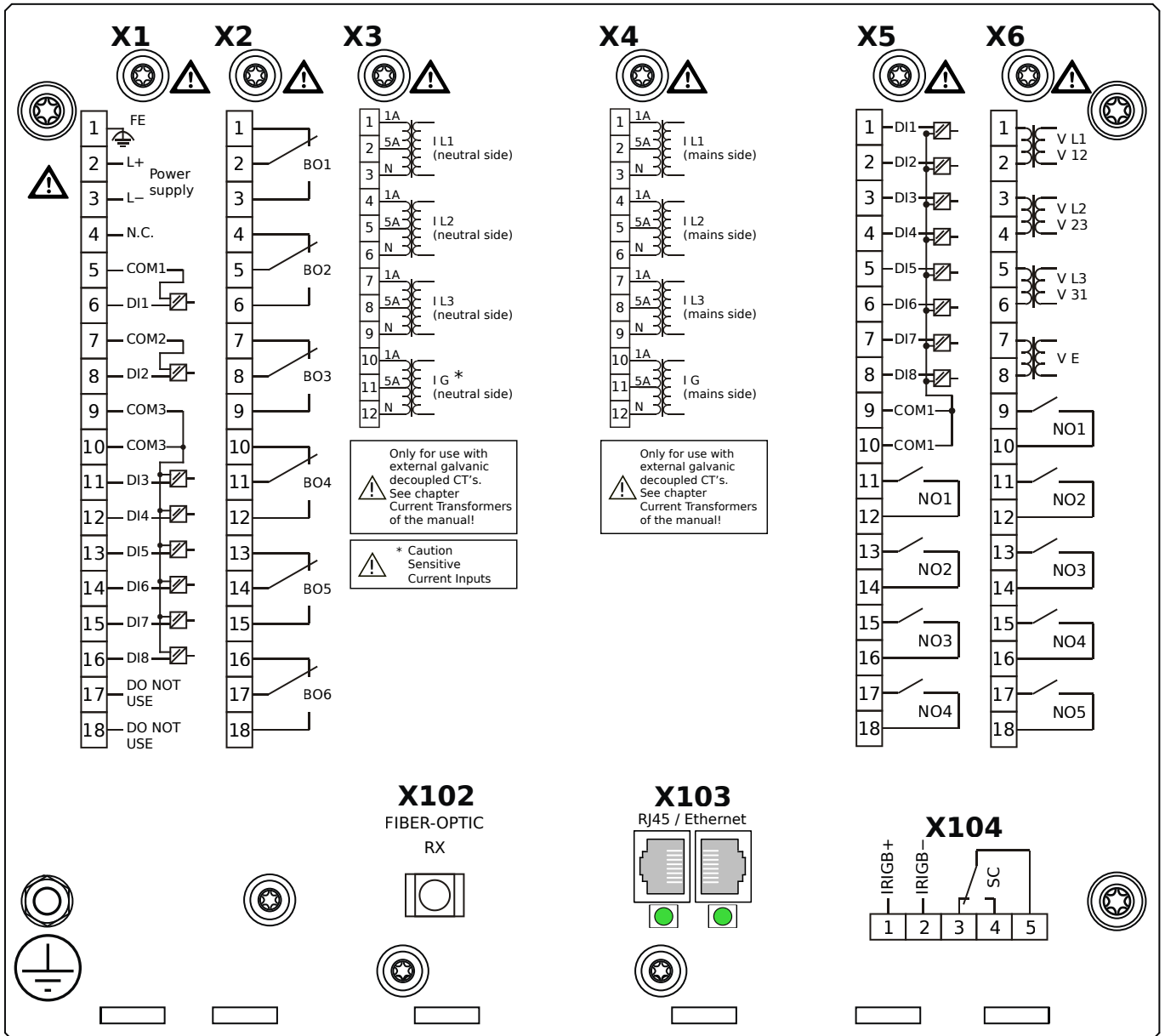
MCDGV4-2D1APA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1APB

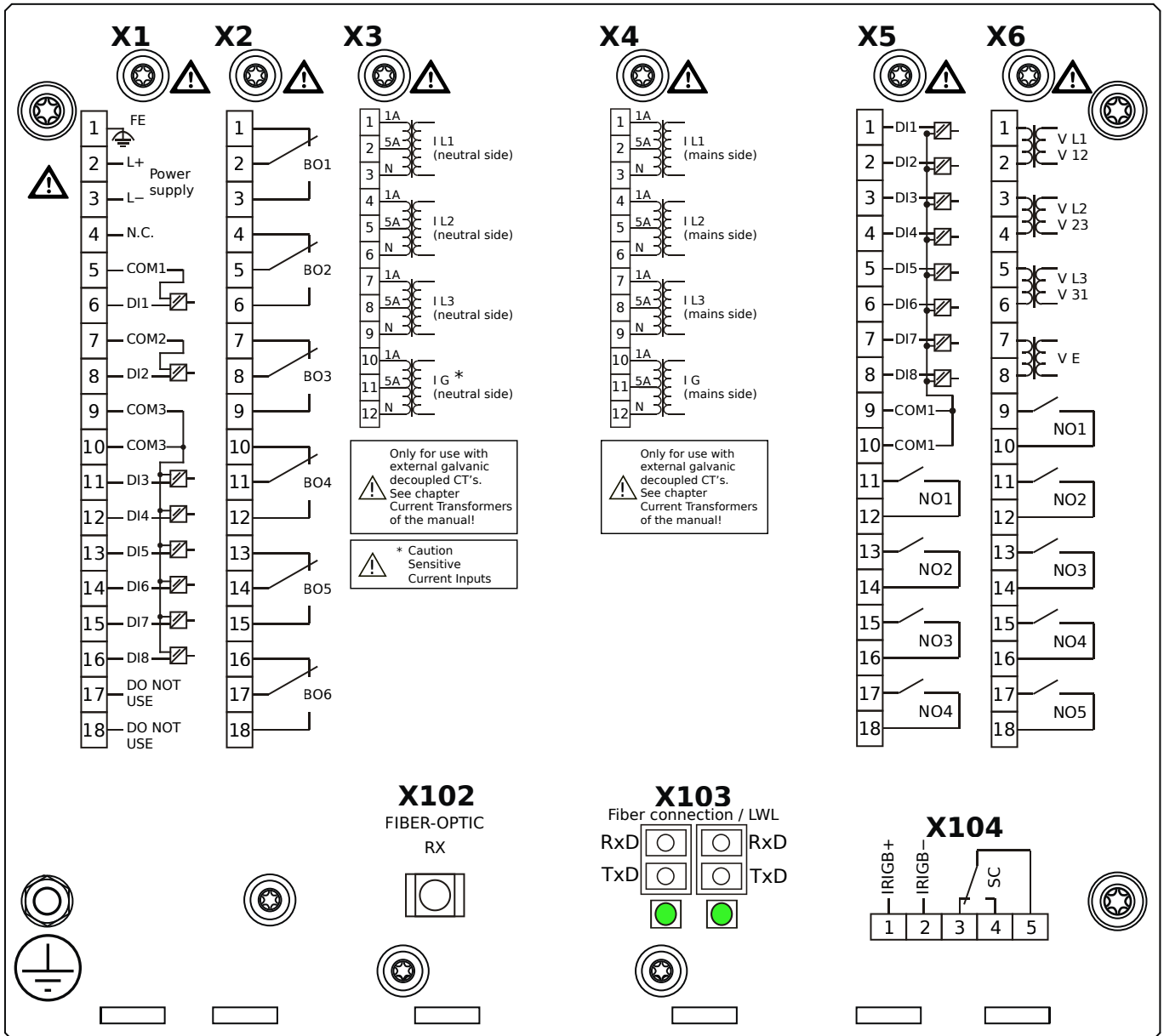


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

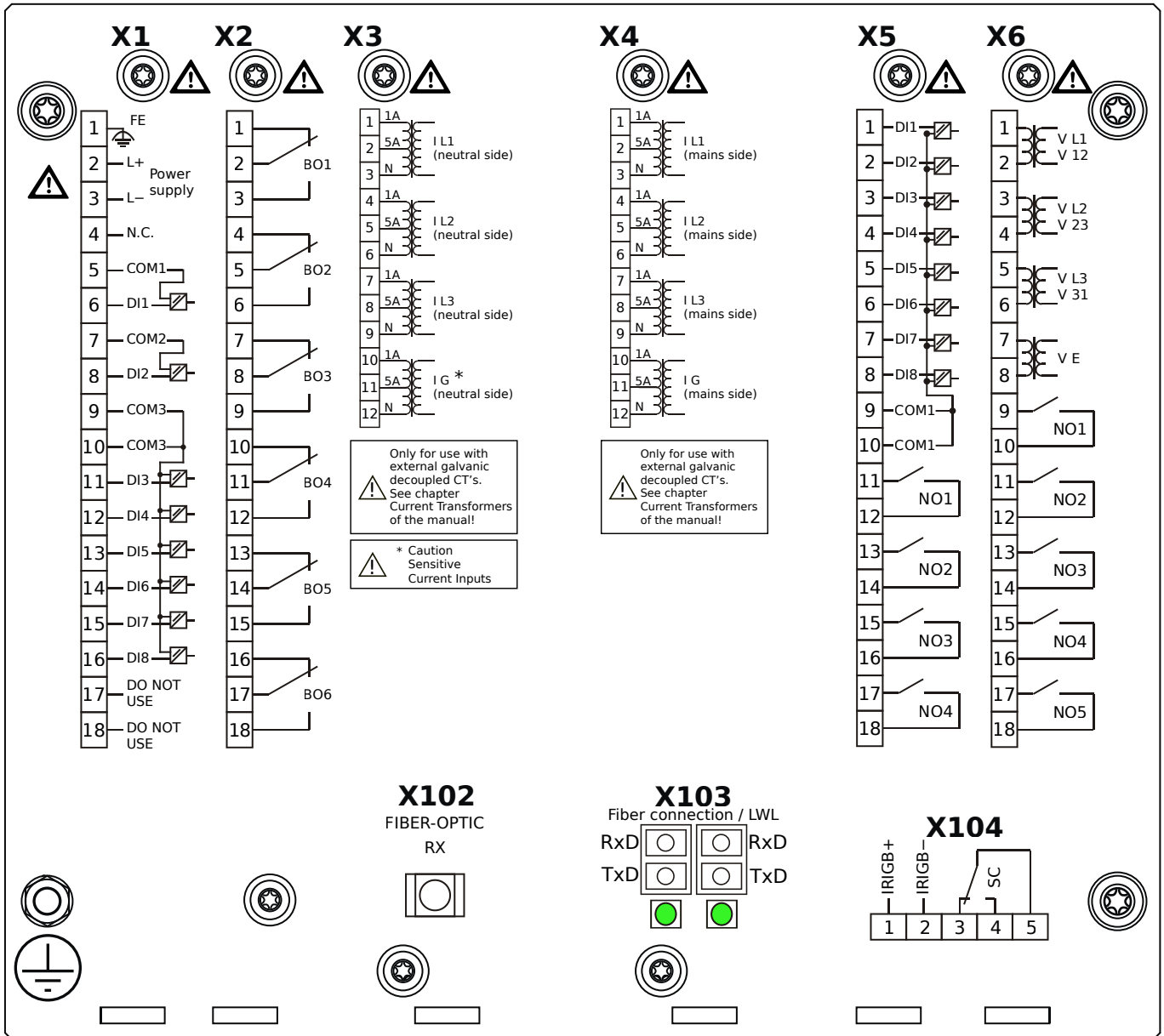
MCDGV4-2D1AQA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1AQB

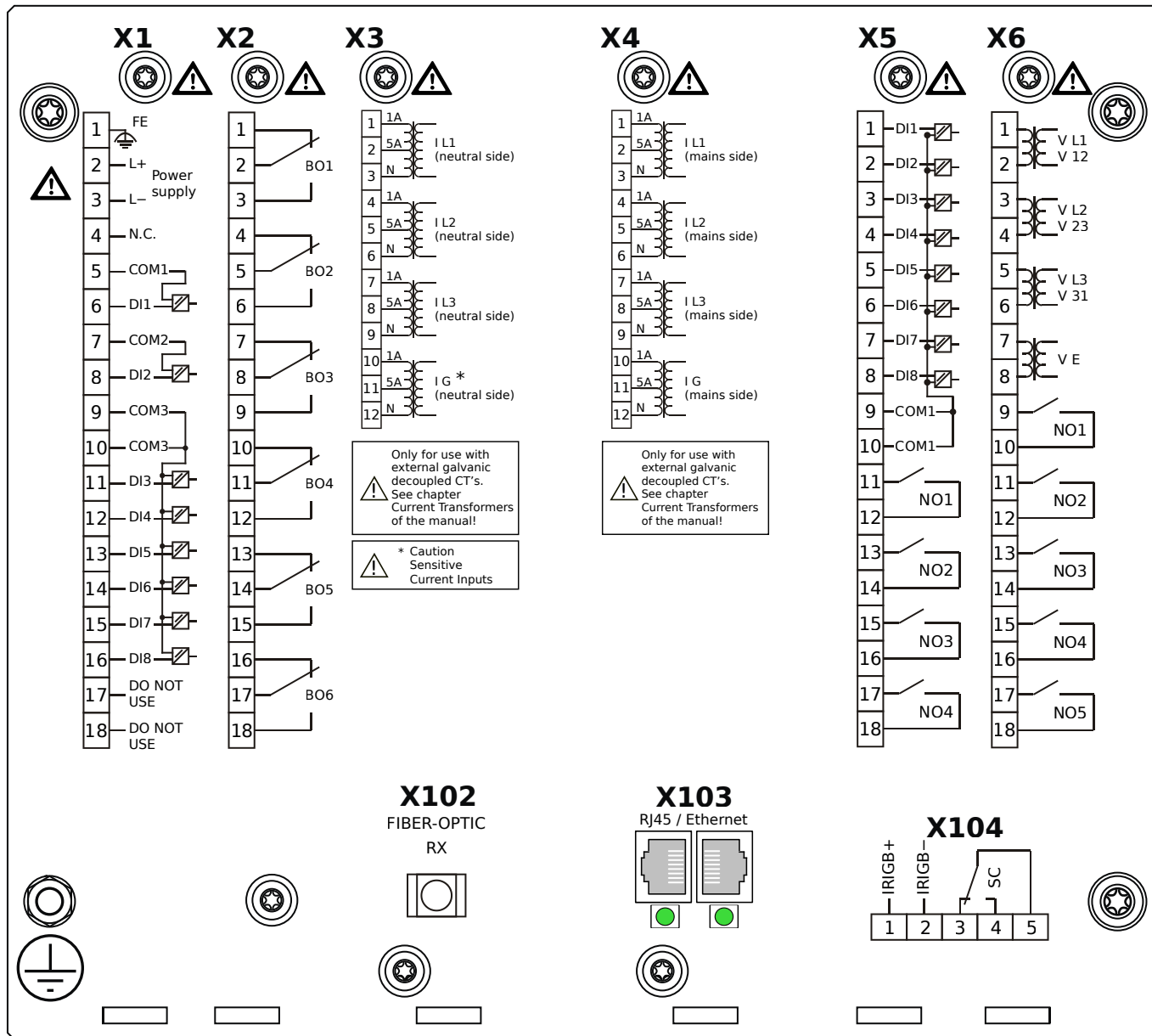


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

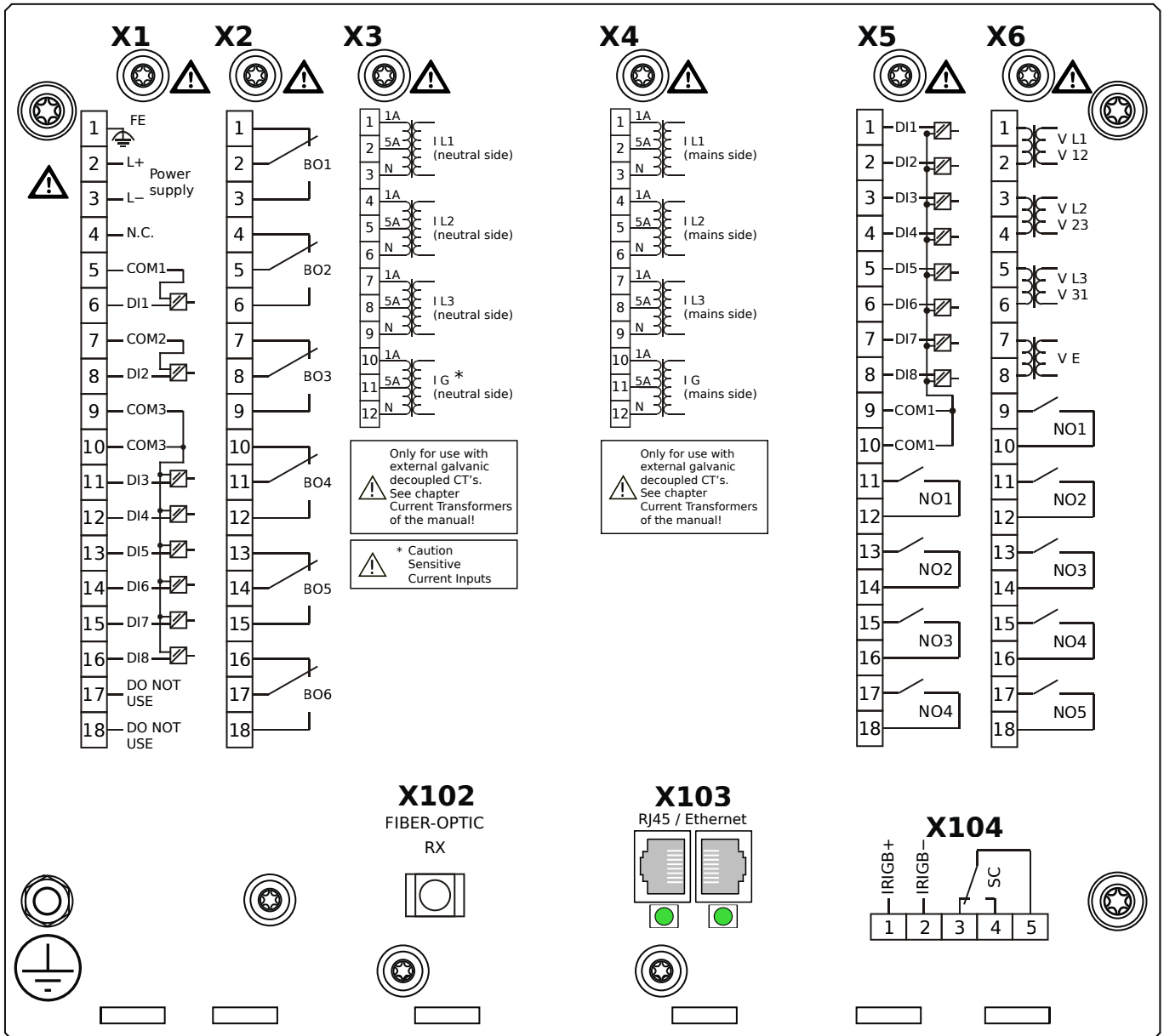
MCDGV4-2D1ARA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45
- (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1ARB

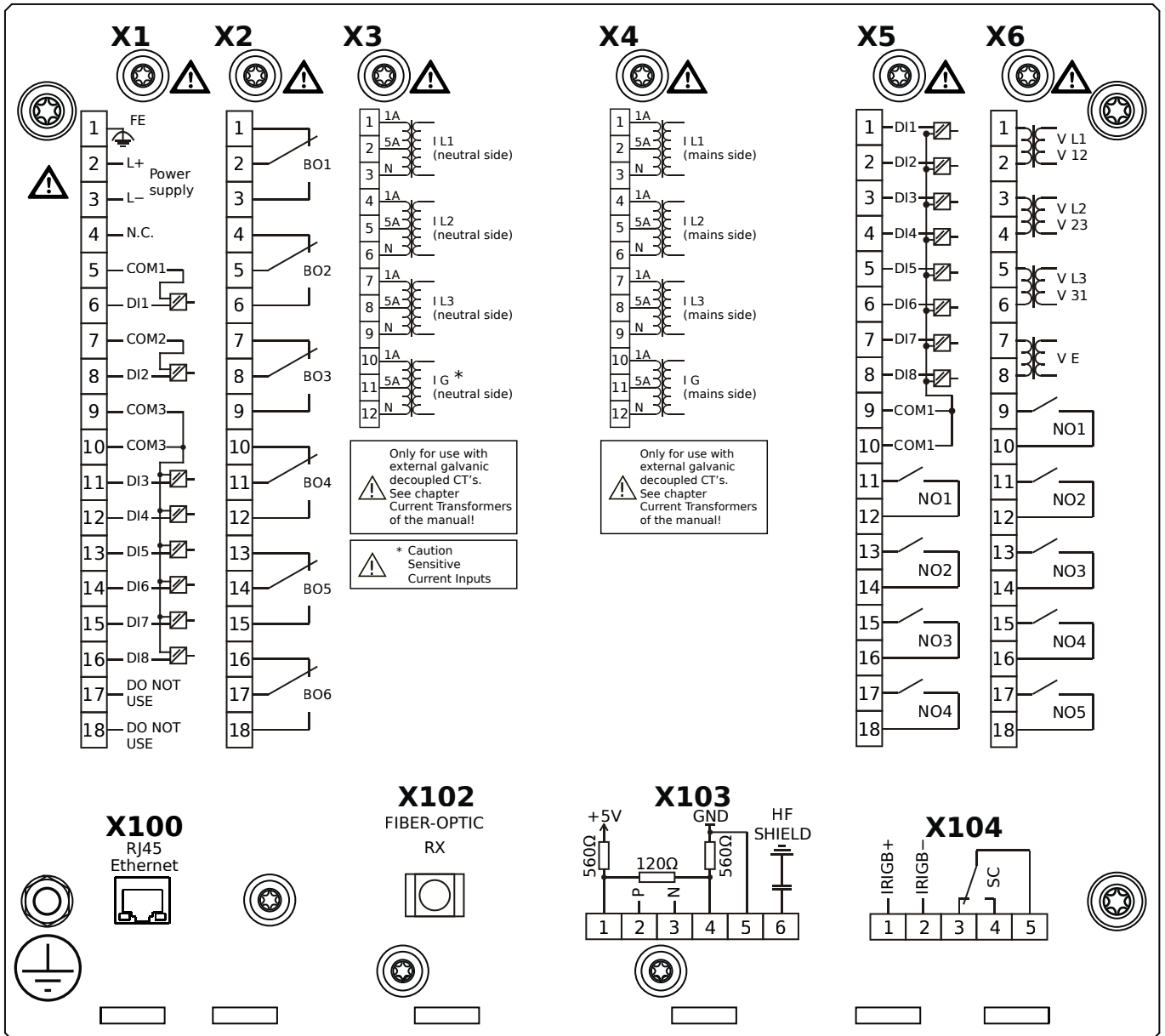


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

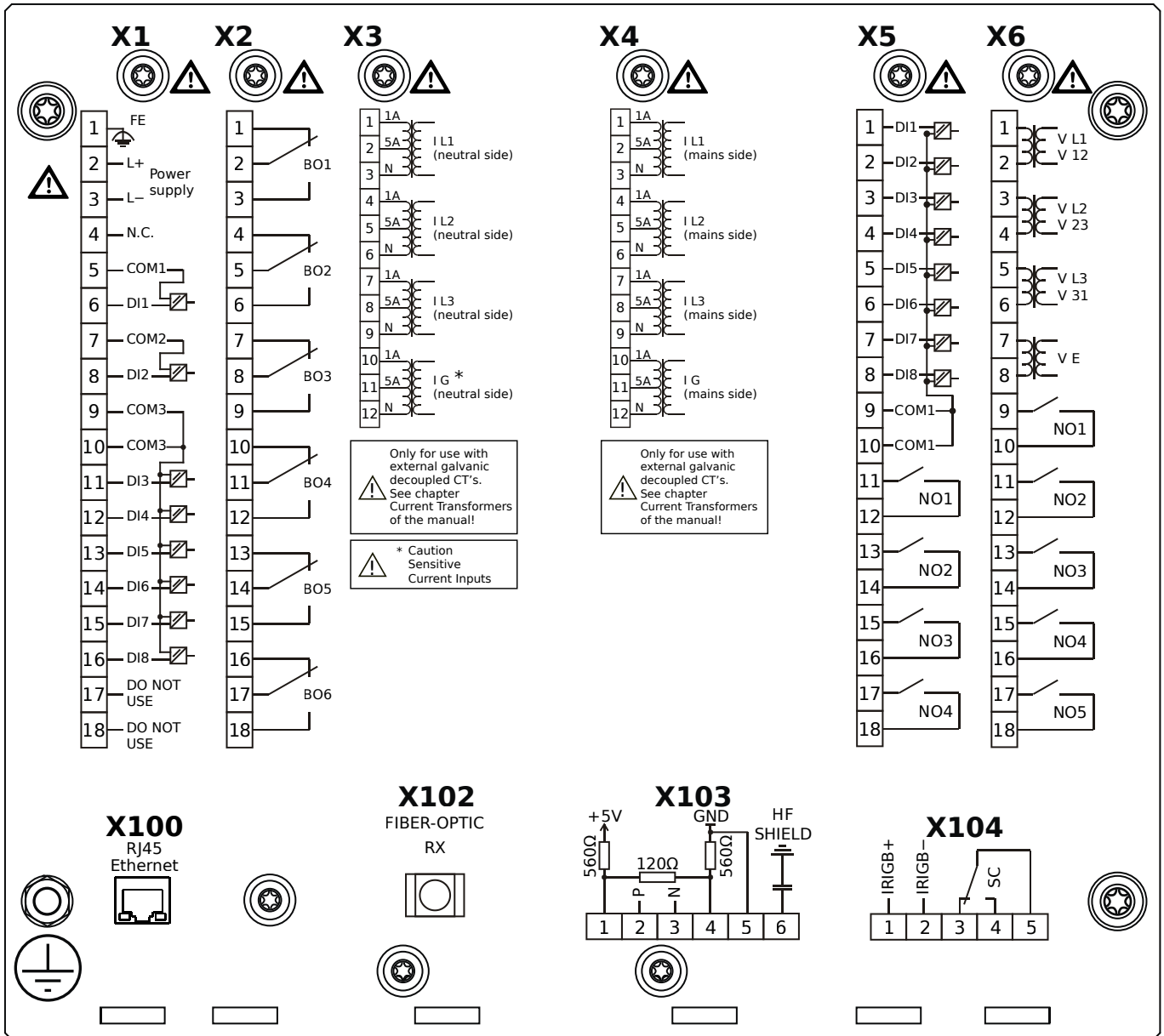
MCDGV4-2D1ATA



Housing B2, large display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
 - X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
 - X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
 - X4** – TI: Standard current measuring card (for the mains side of the differential protection)
 - X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
 - X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
 - X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-
- FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
 - X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
 - X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1ATB

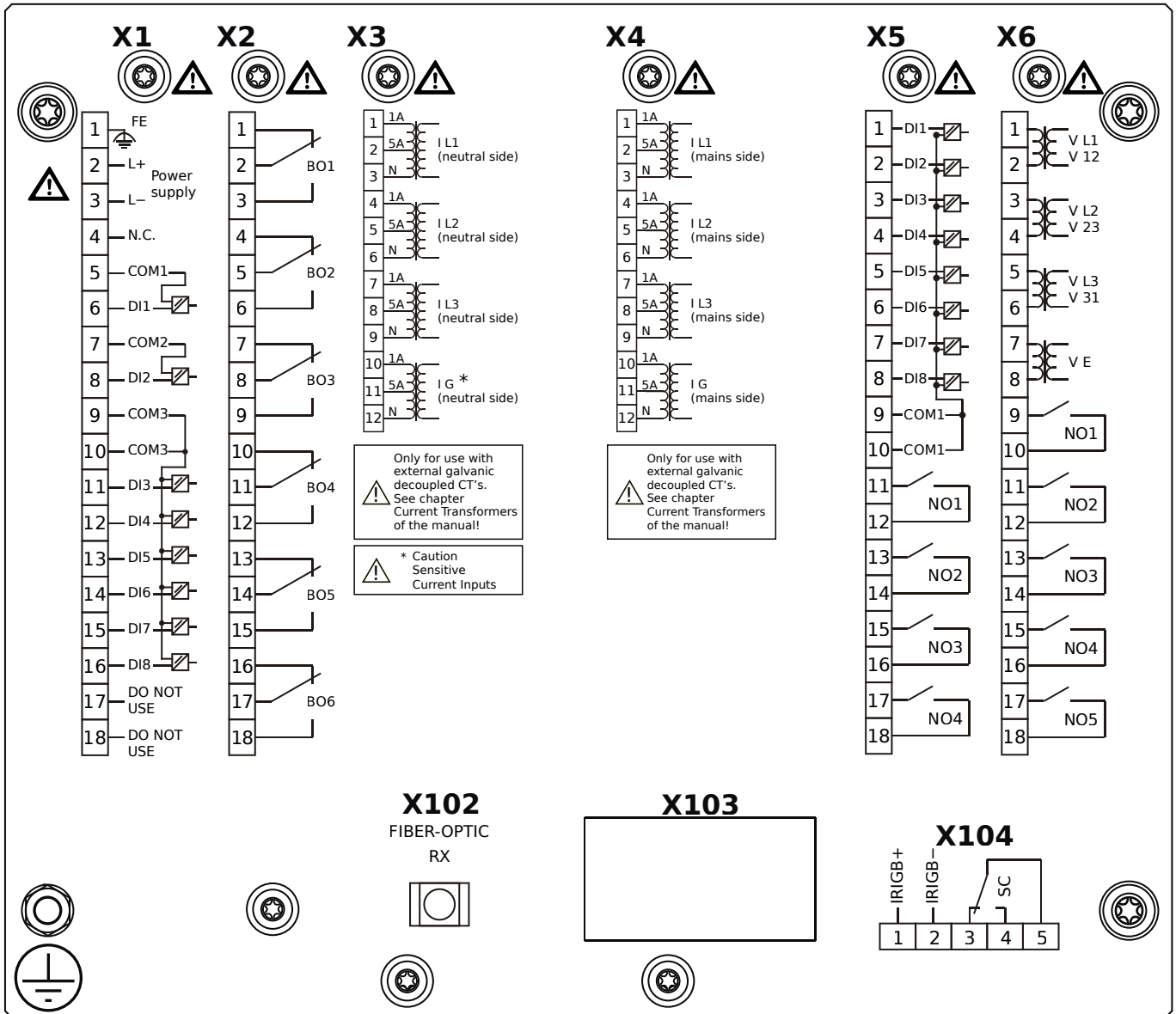


Housing B2, large display, door mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-
 FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

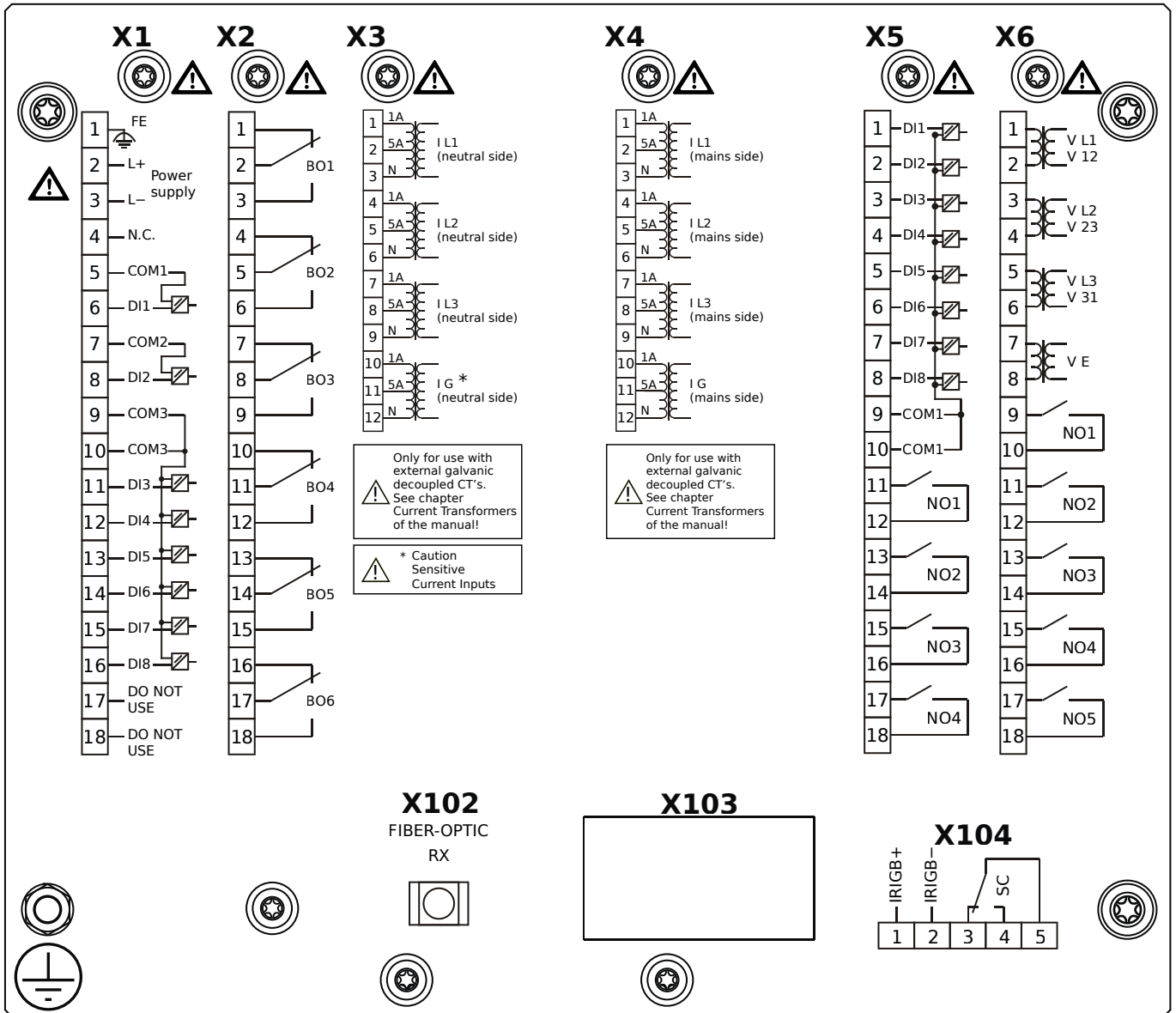
MCDGV4-2D1BAA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1BAB

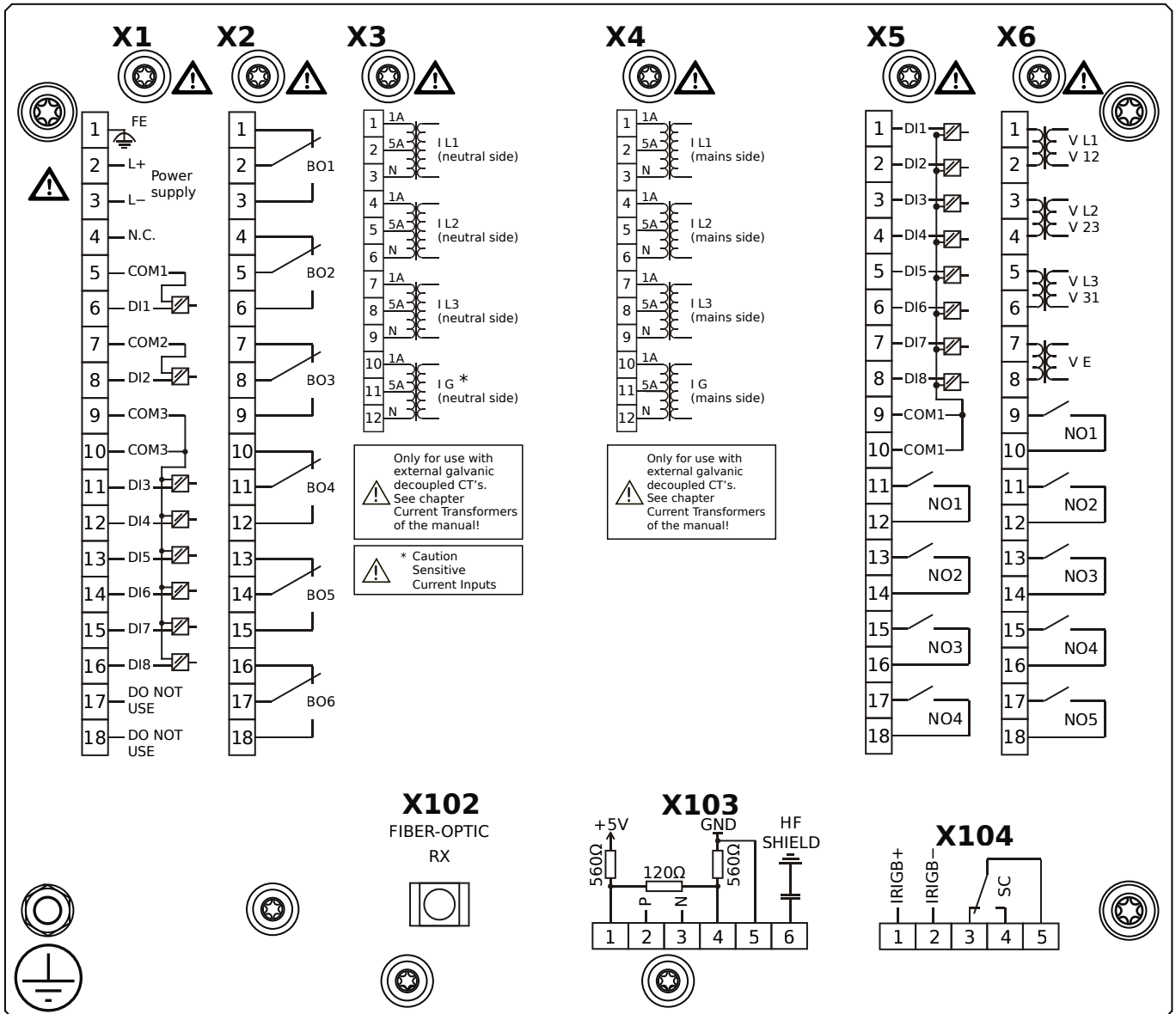


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

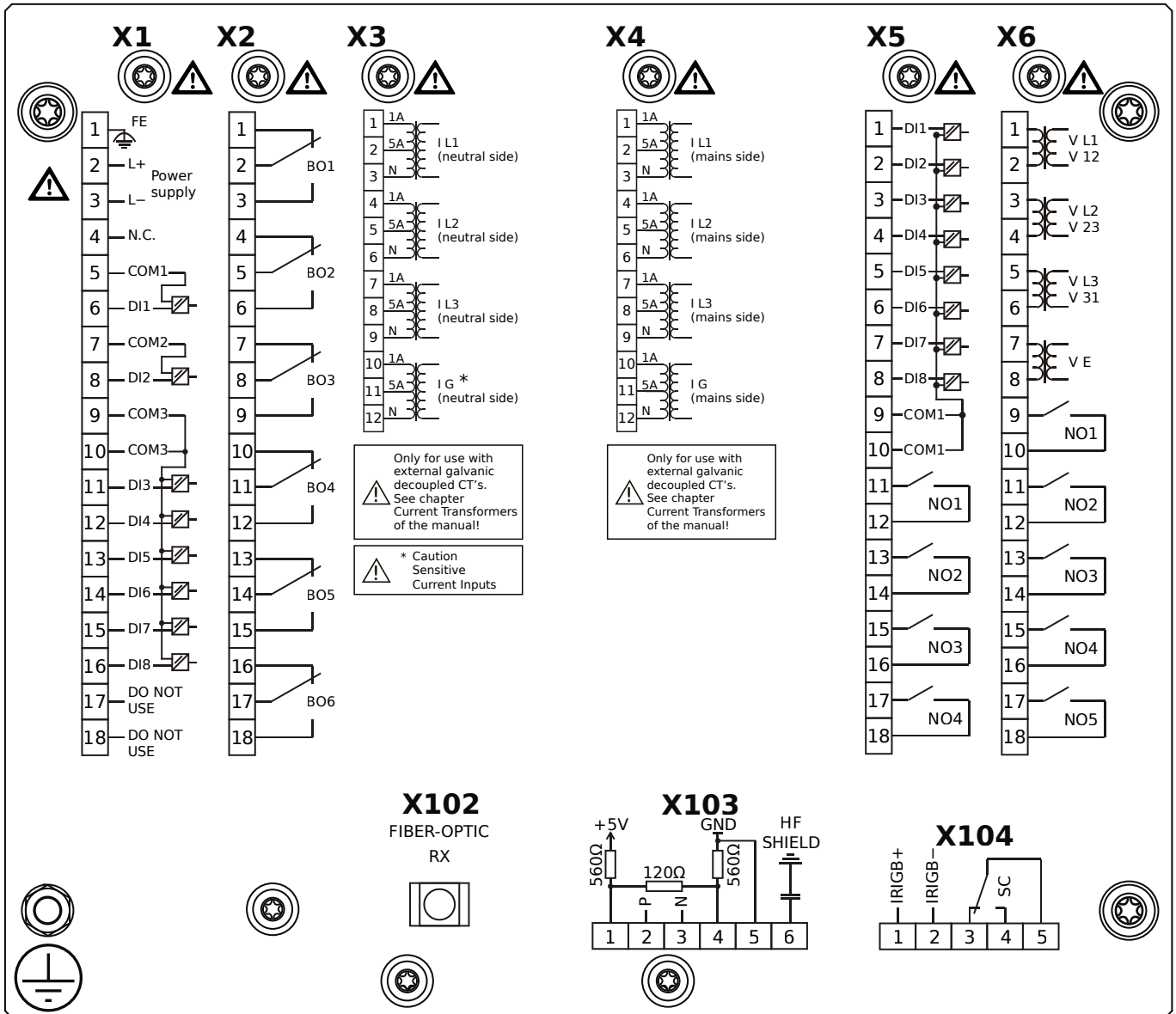
MCDGV4-2D1BBA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1BBB

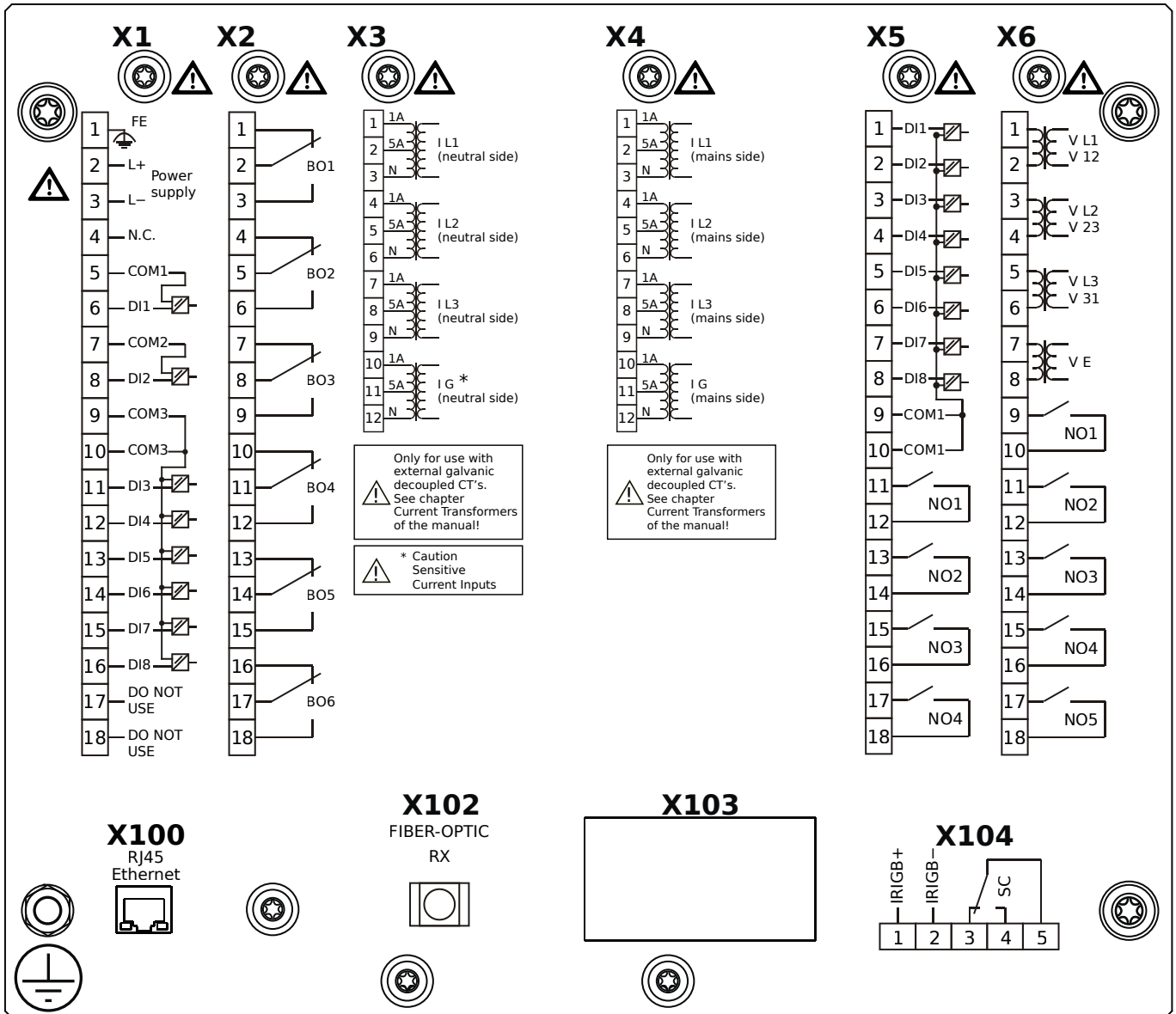


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

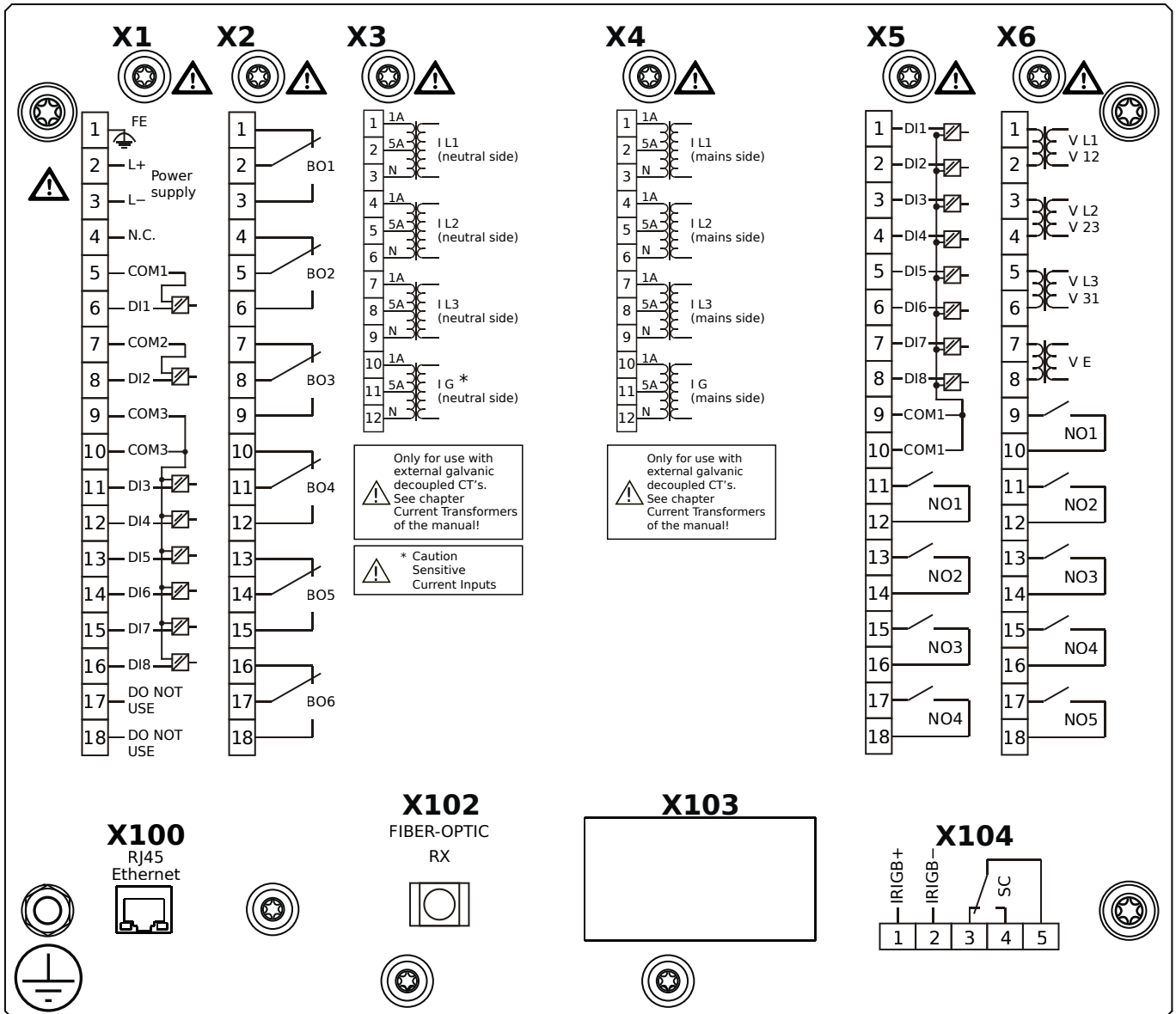
MCDGV4-2D1BCA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1BCB

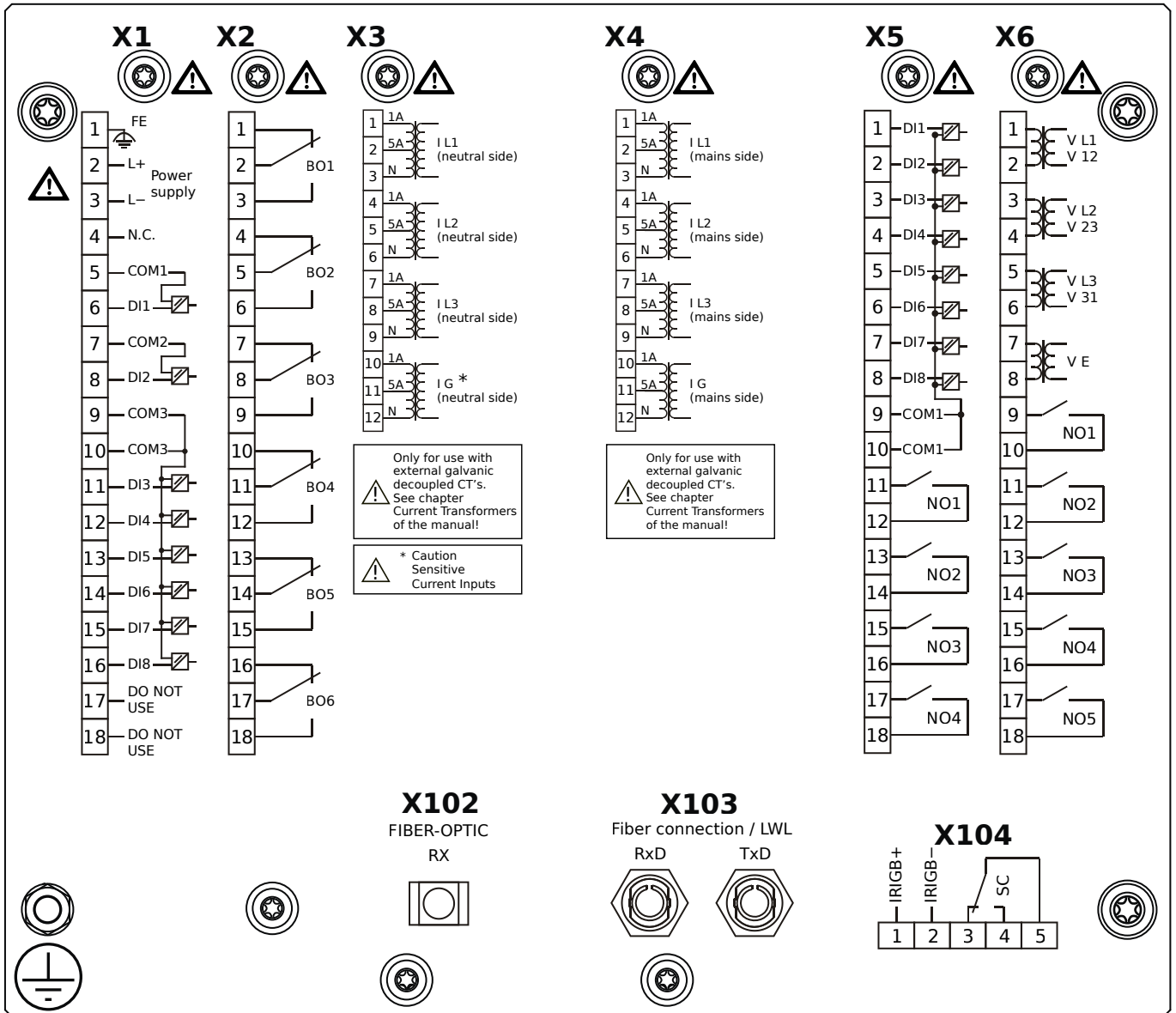


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

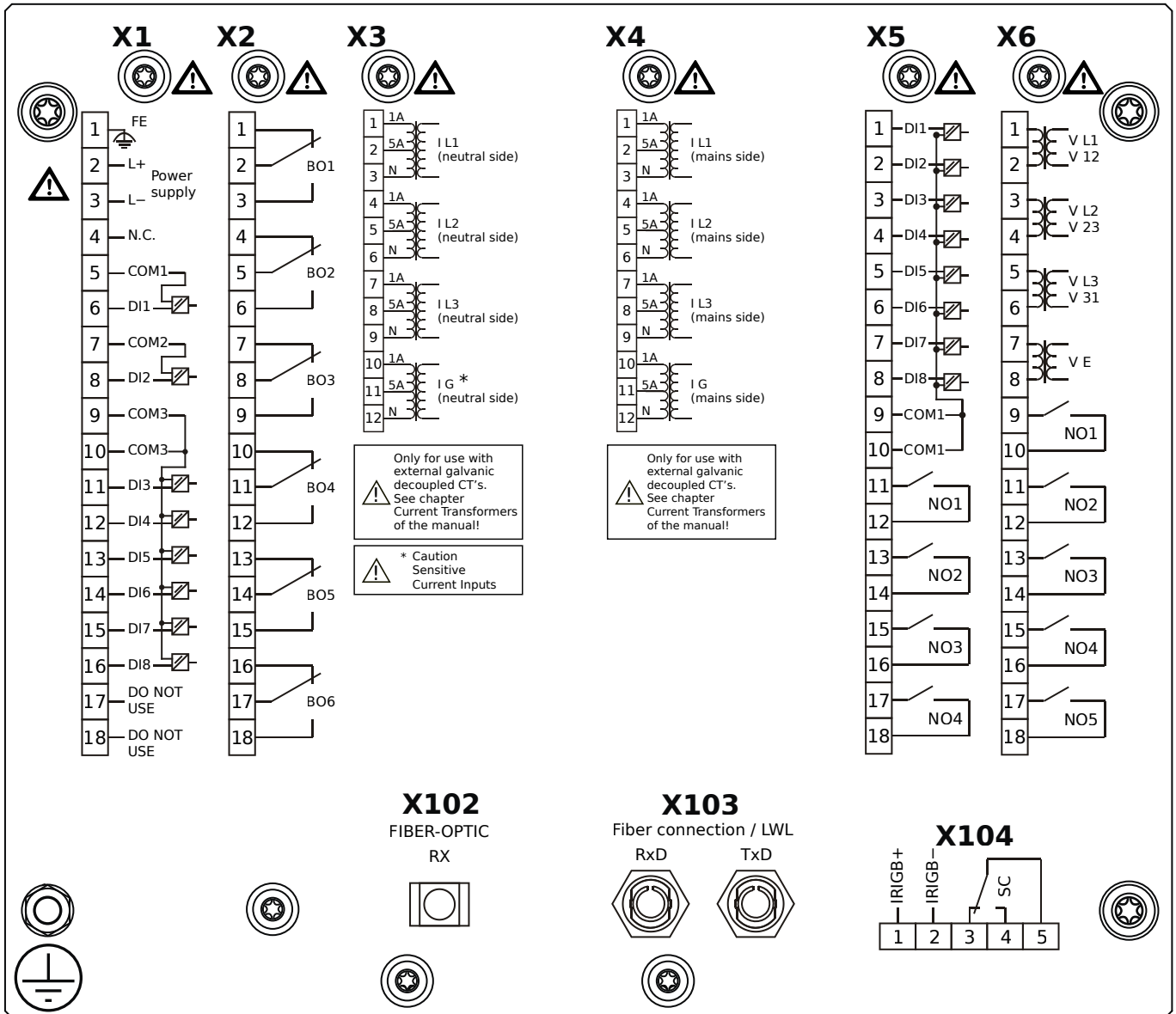
MCDGV4-2D1BDA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1BDB

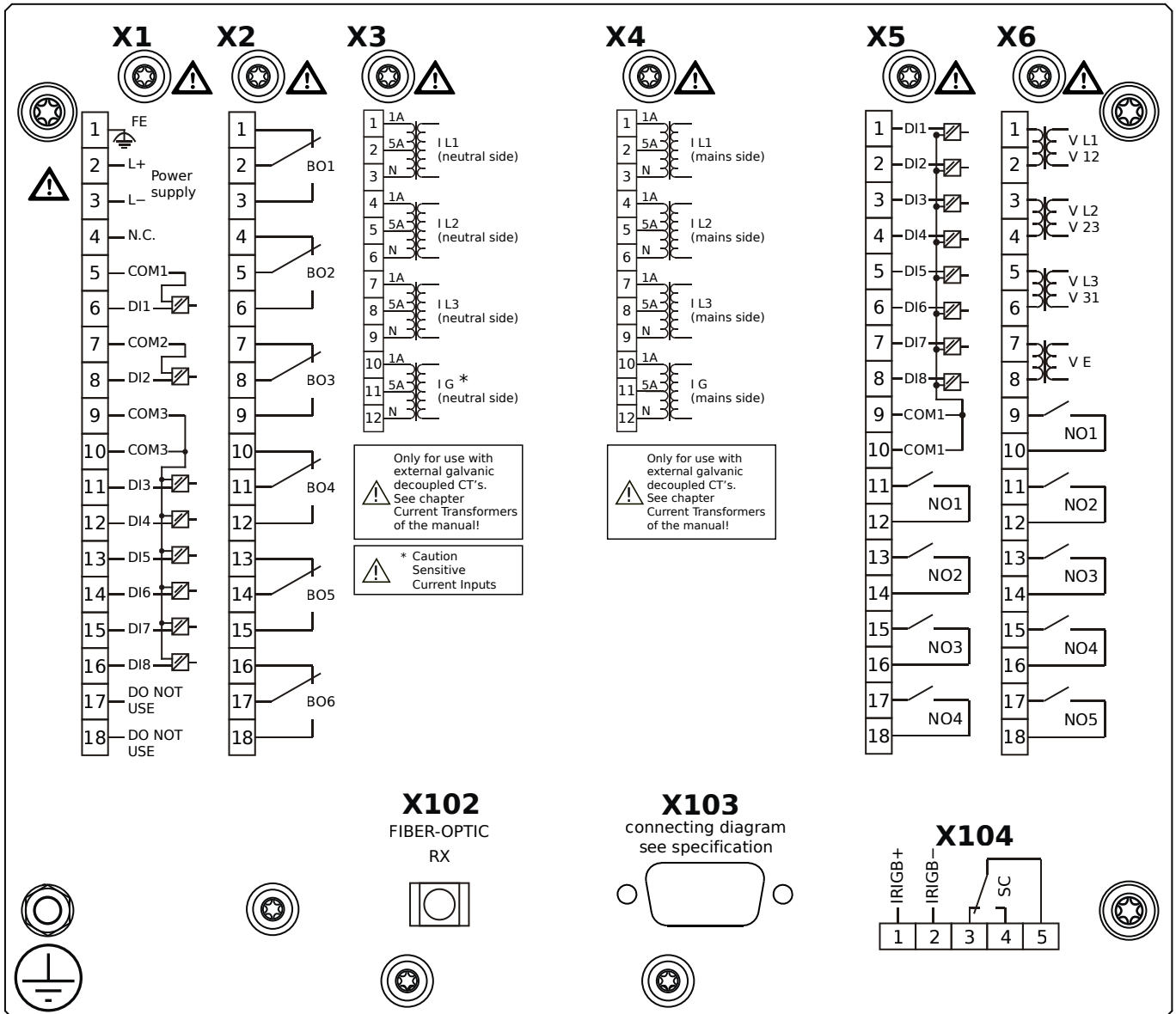


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

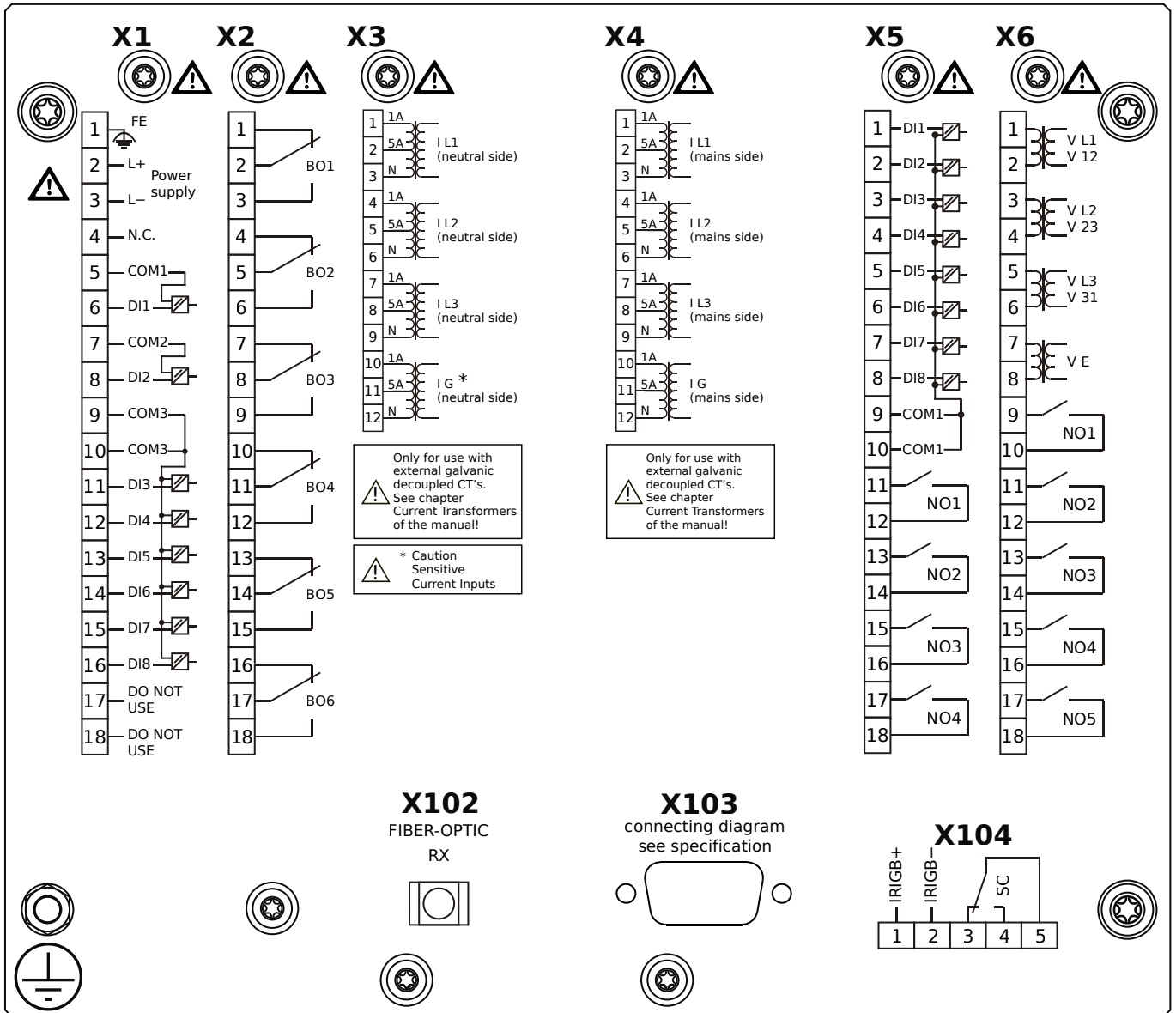
MCDGV4-2D1BEA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1BEB

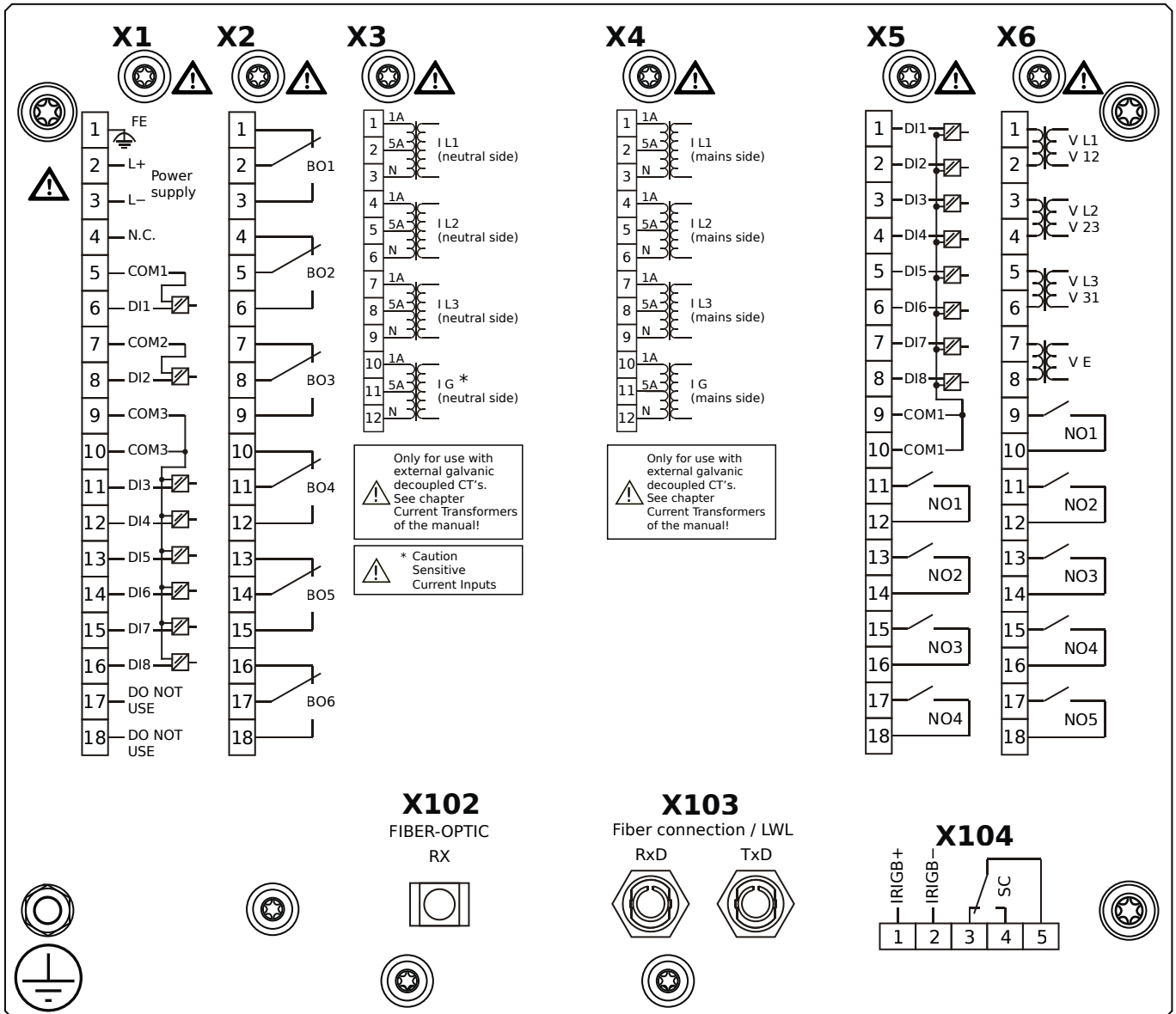


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

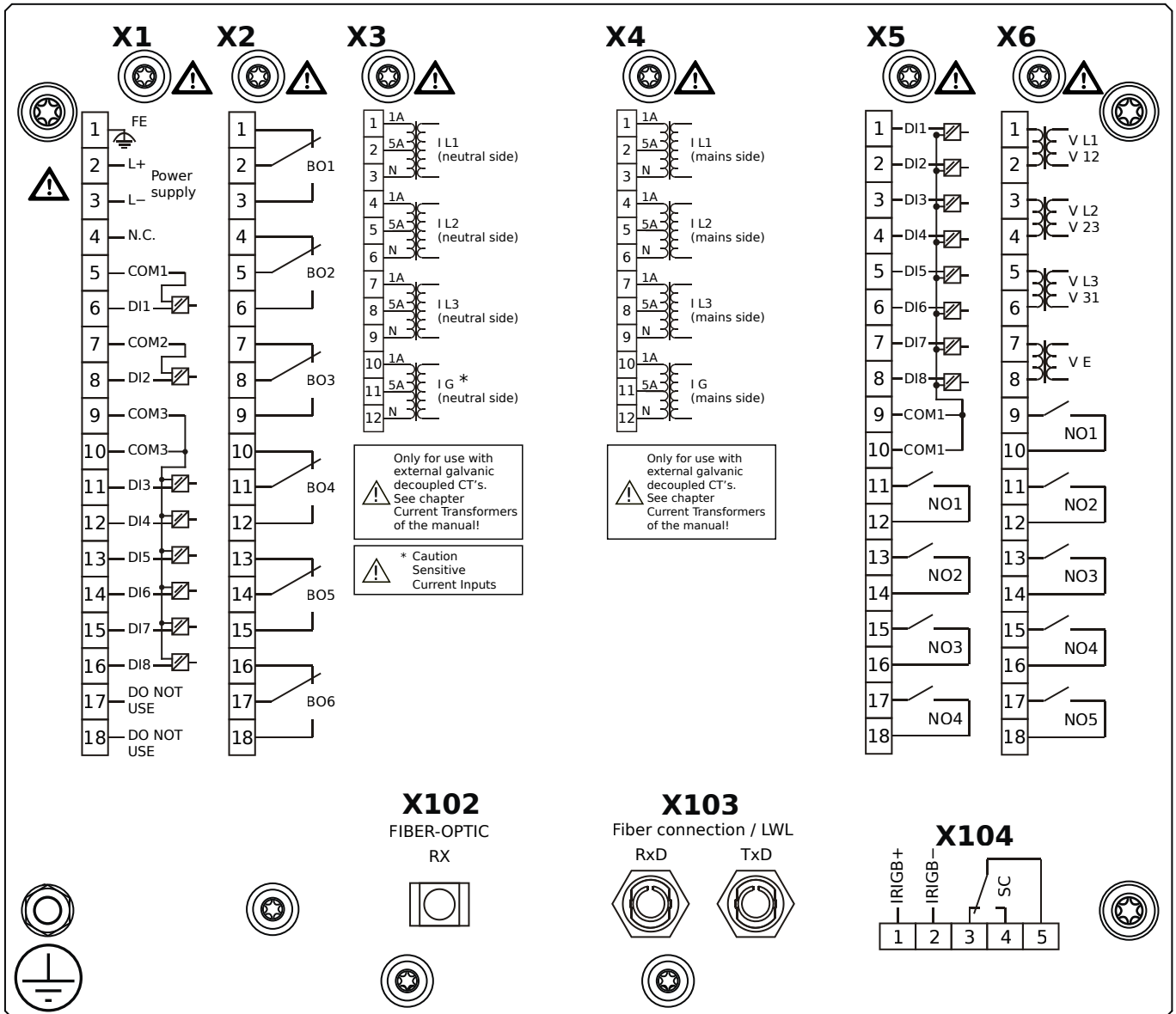
MCDGV4-2D1BFA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1BFB

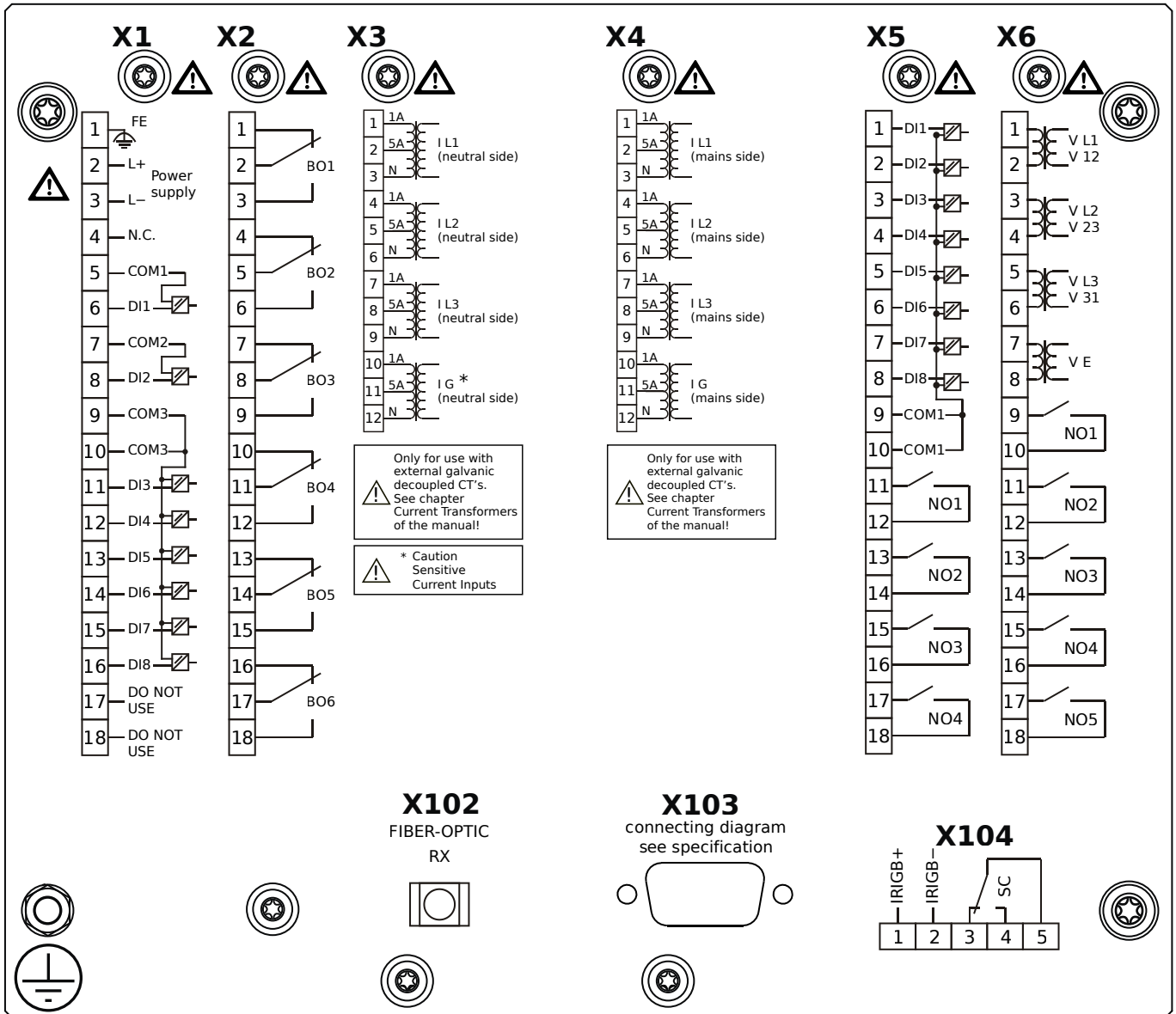


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
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- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

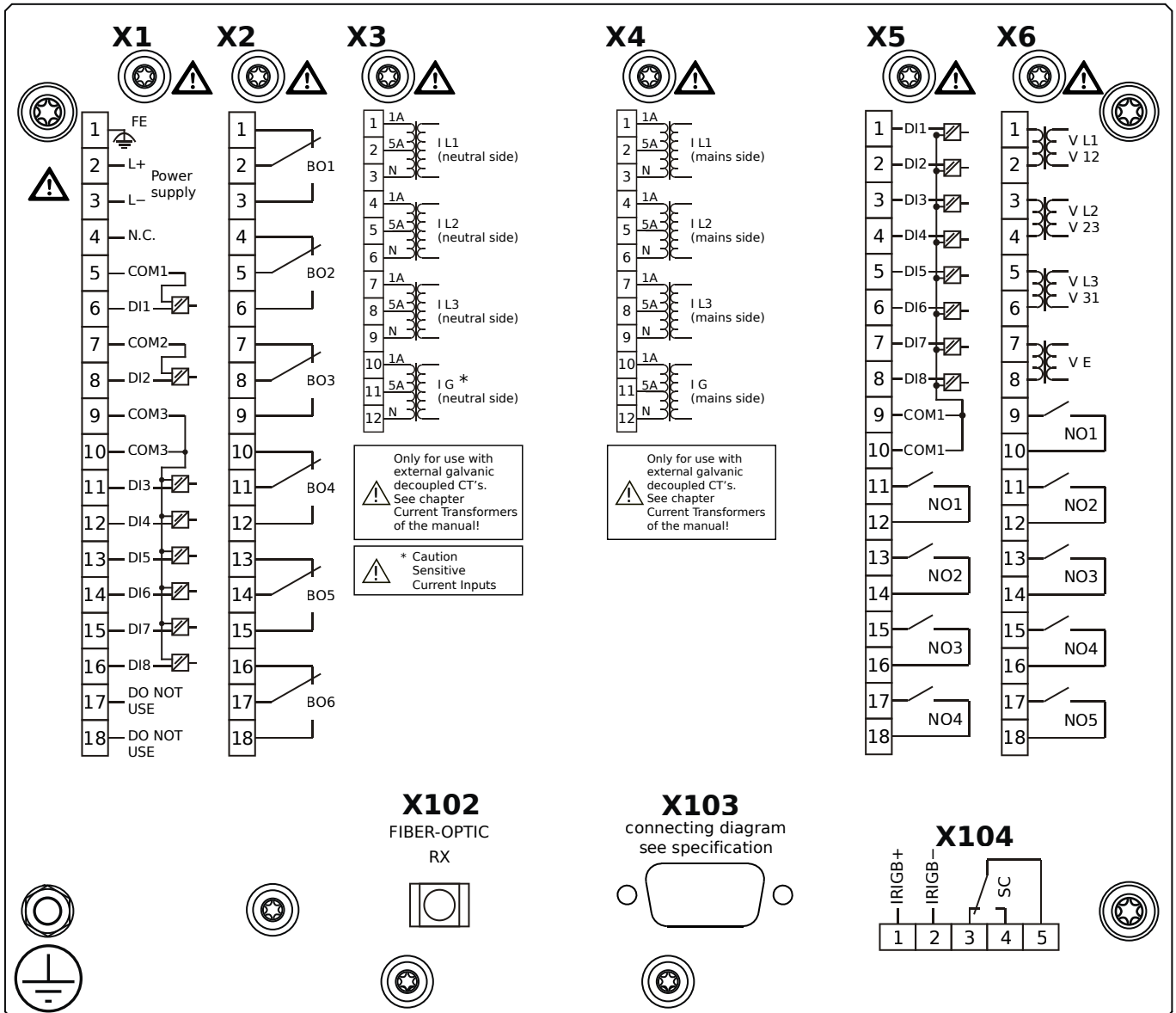
MCDGV4-2D1BGA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1BGB

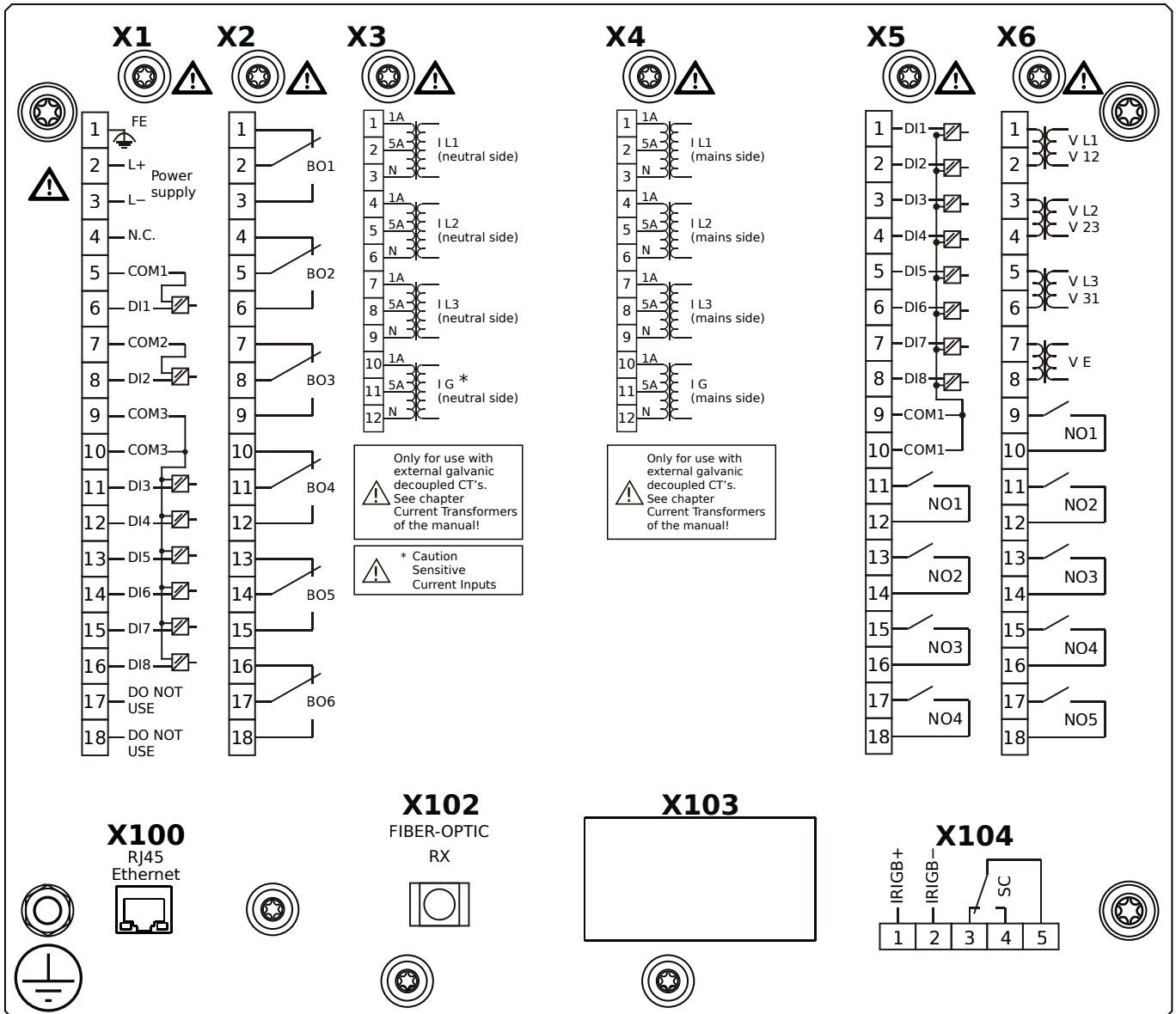


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

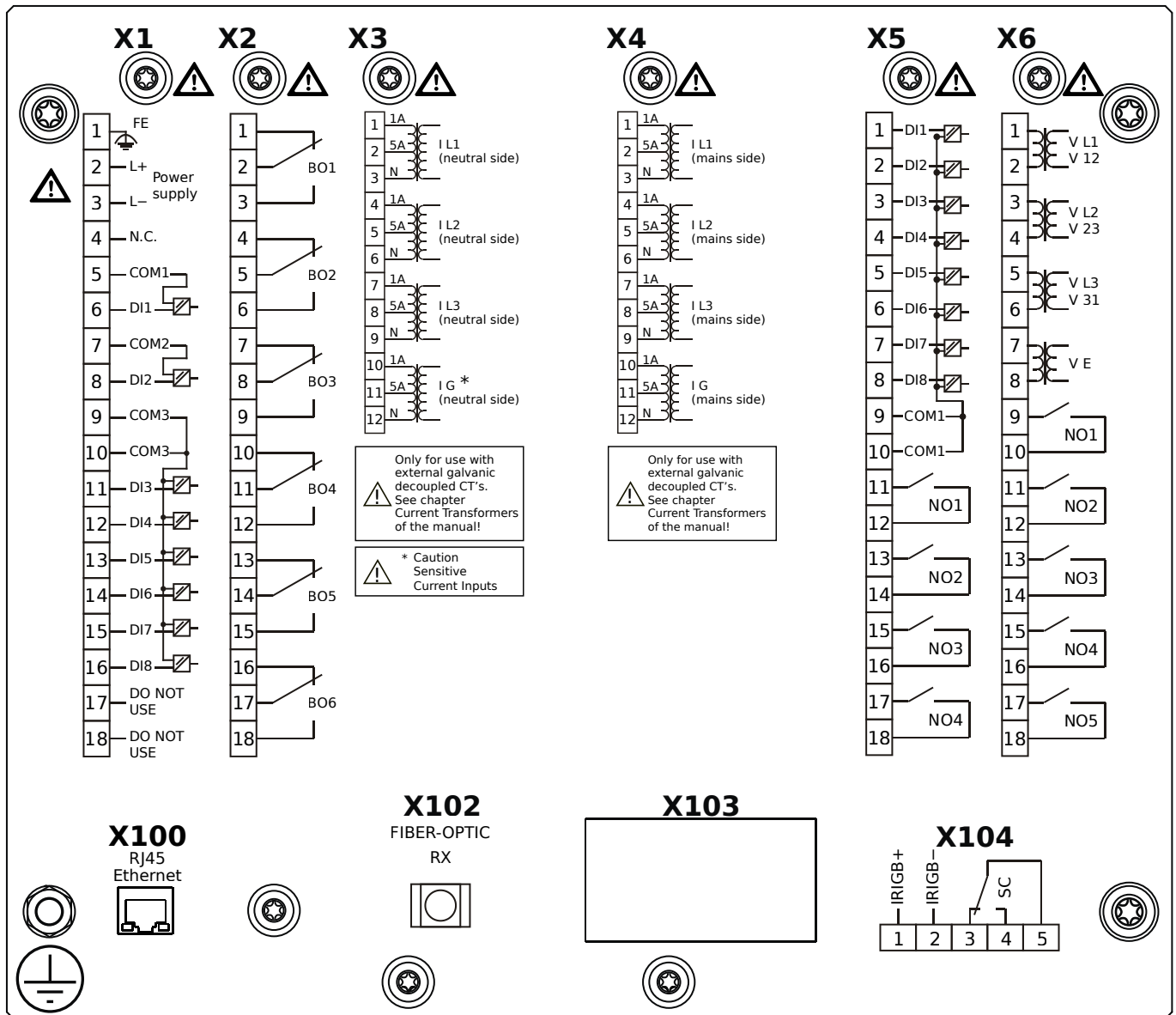
MCDGV4-2D1BHA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1BHB

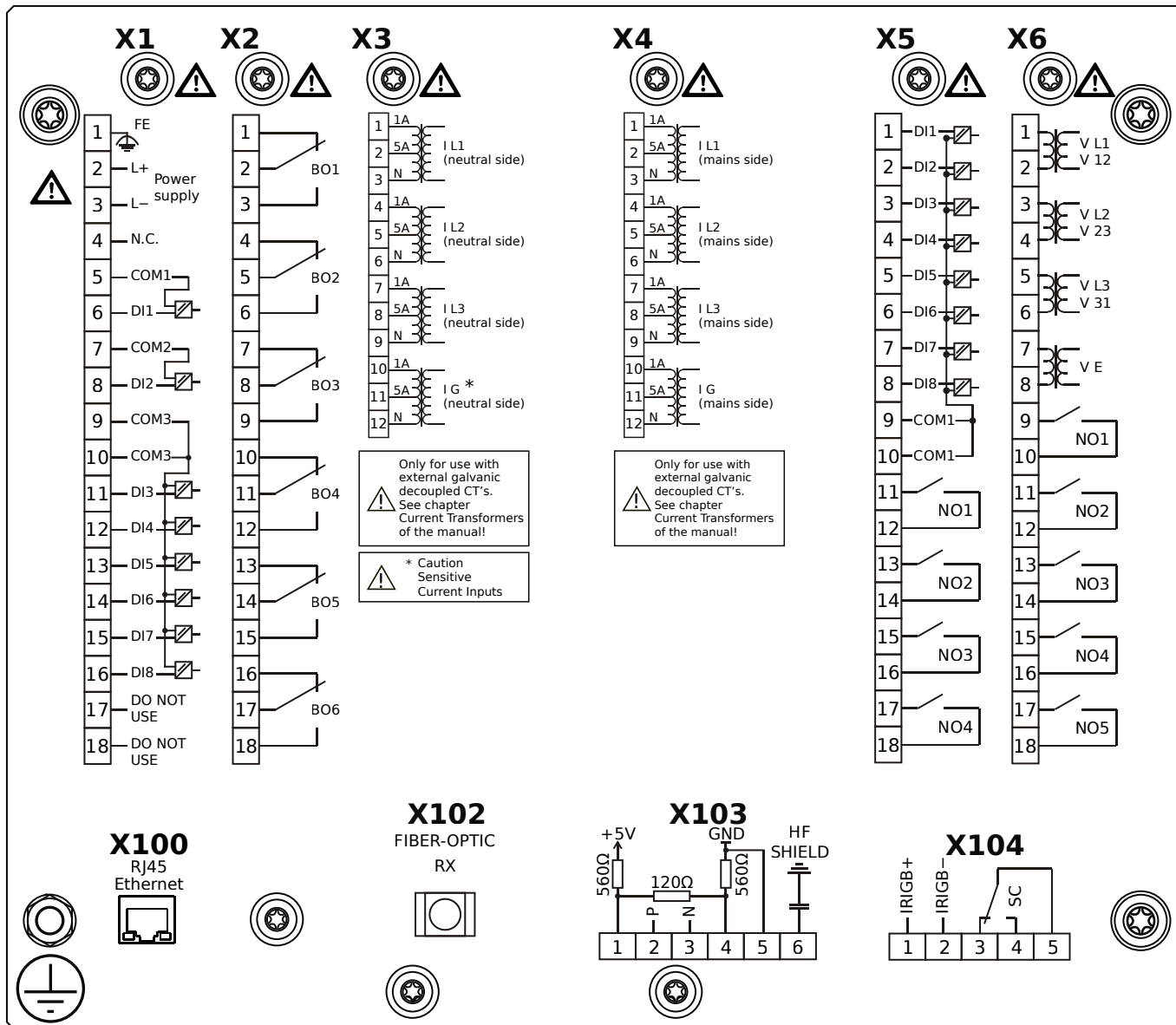


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-
FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

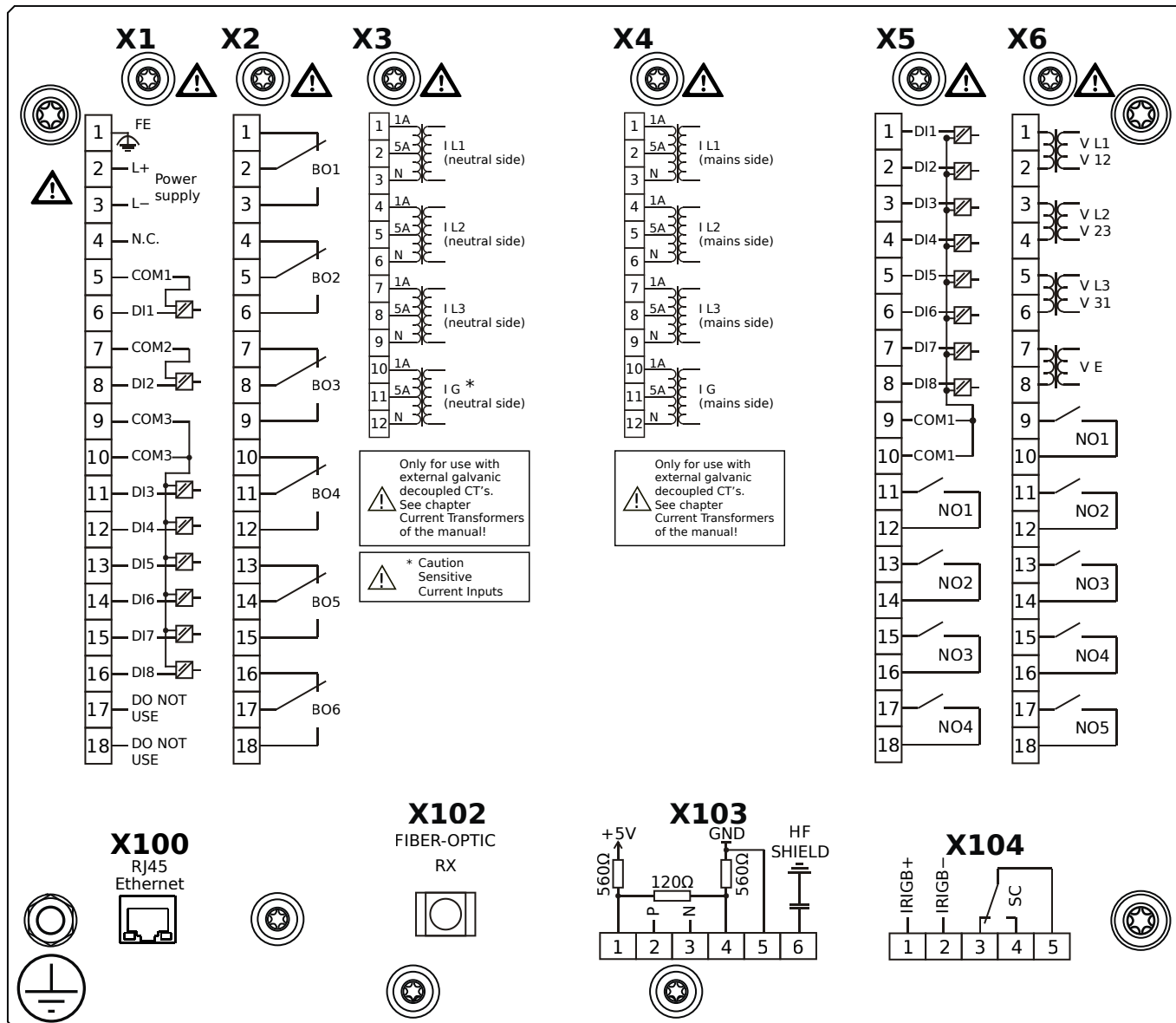
MCDGV4-2D1BIA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

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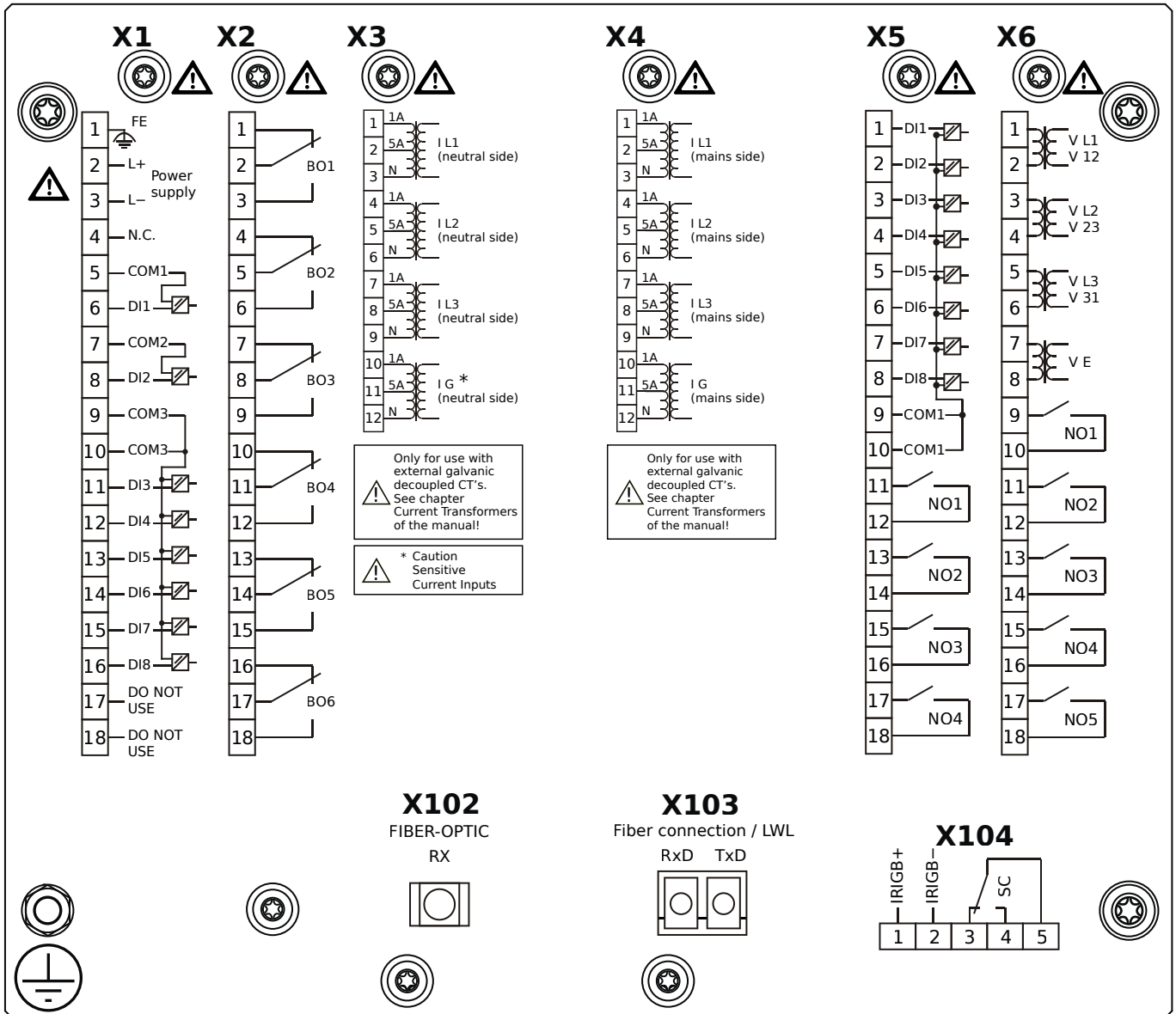


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
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- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
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- X100** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
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- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

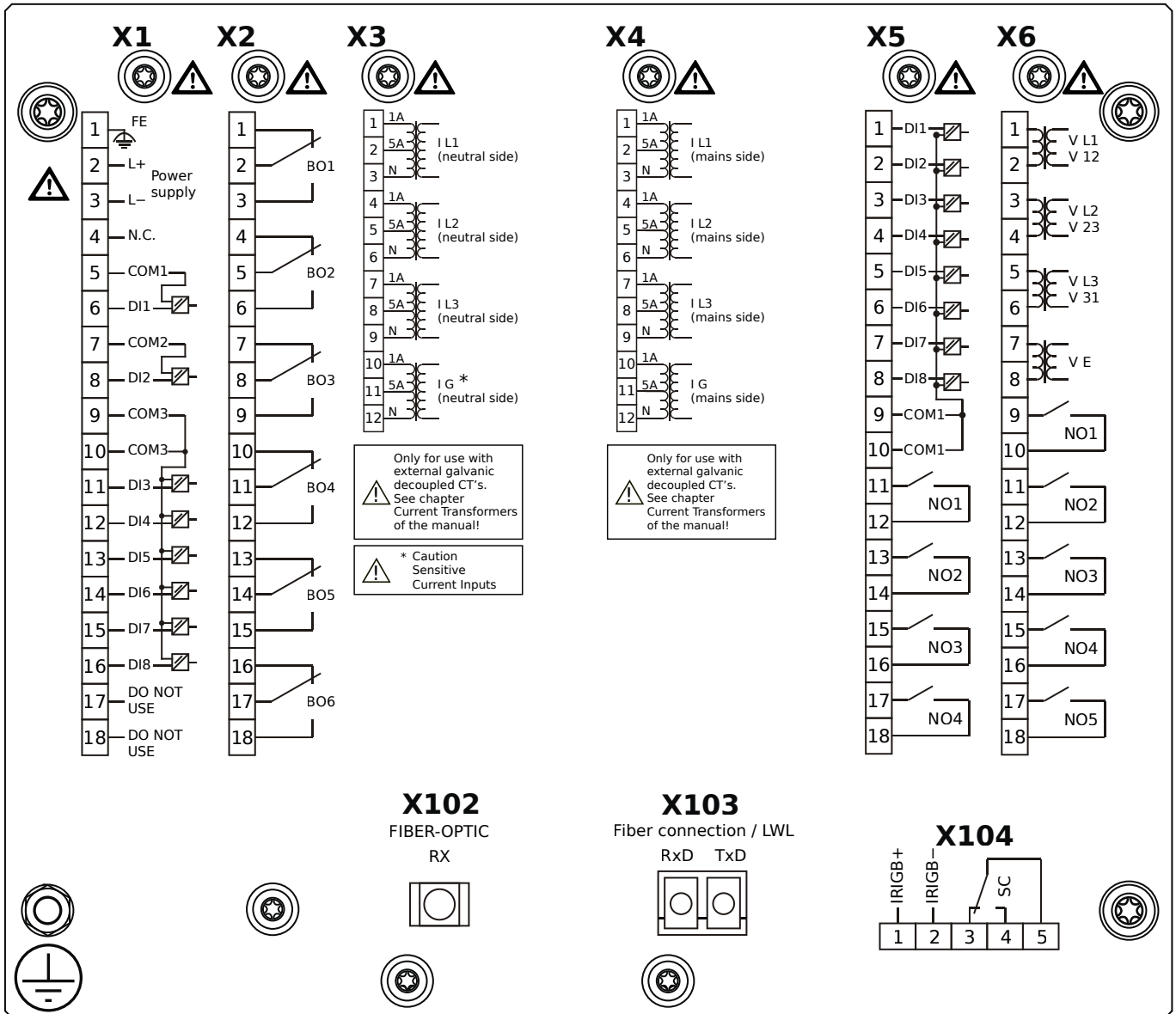
MCDGV4-2D1BKA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1BKB

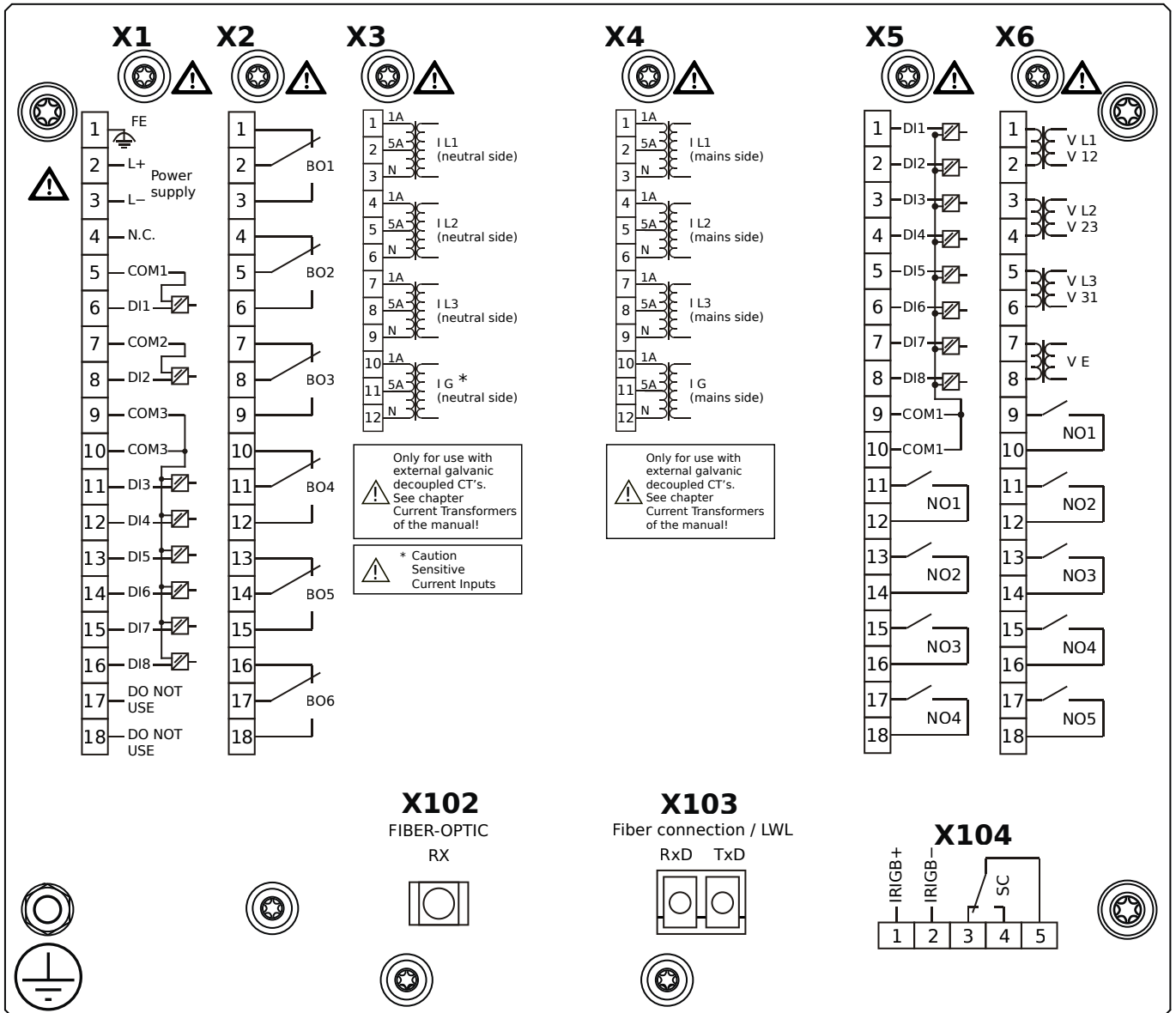


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

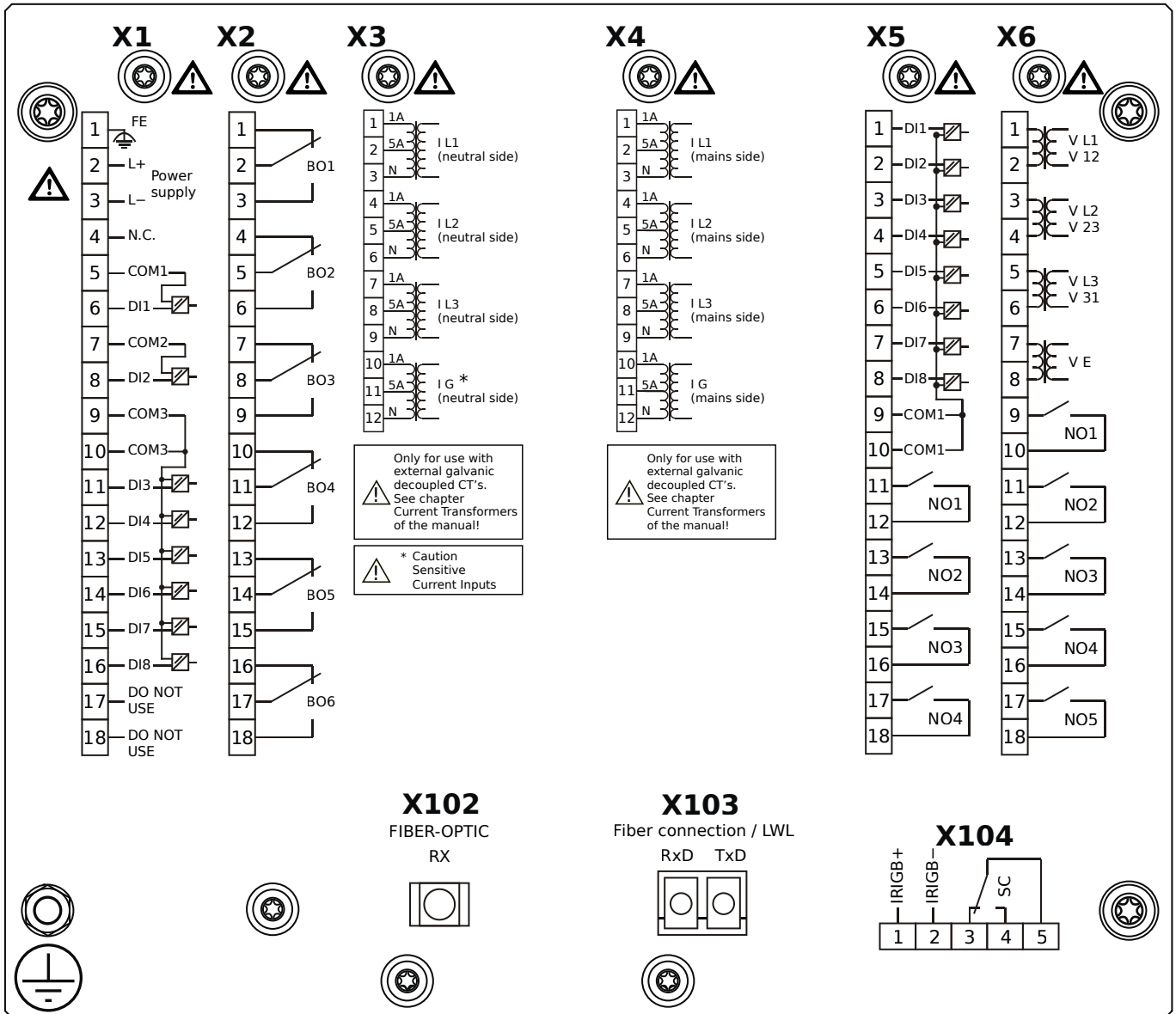
MCDGV4-2D1BLA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1BLB

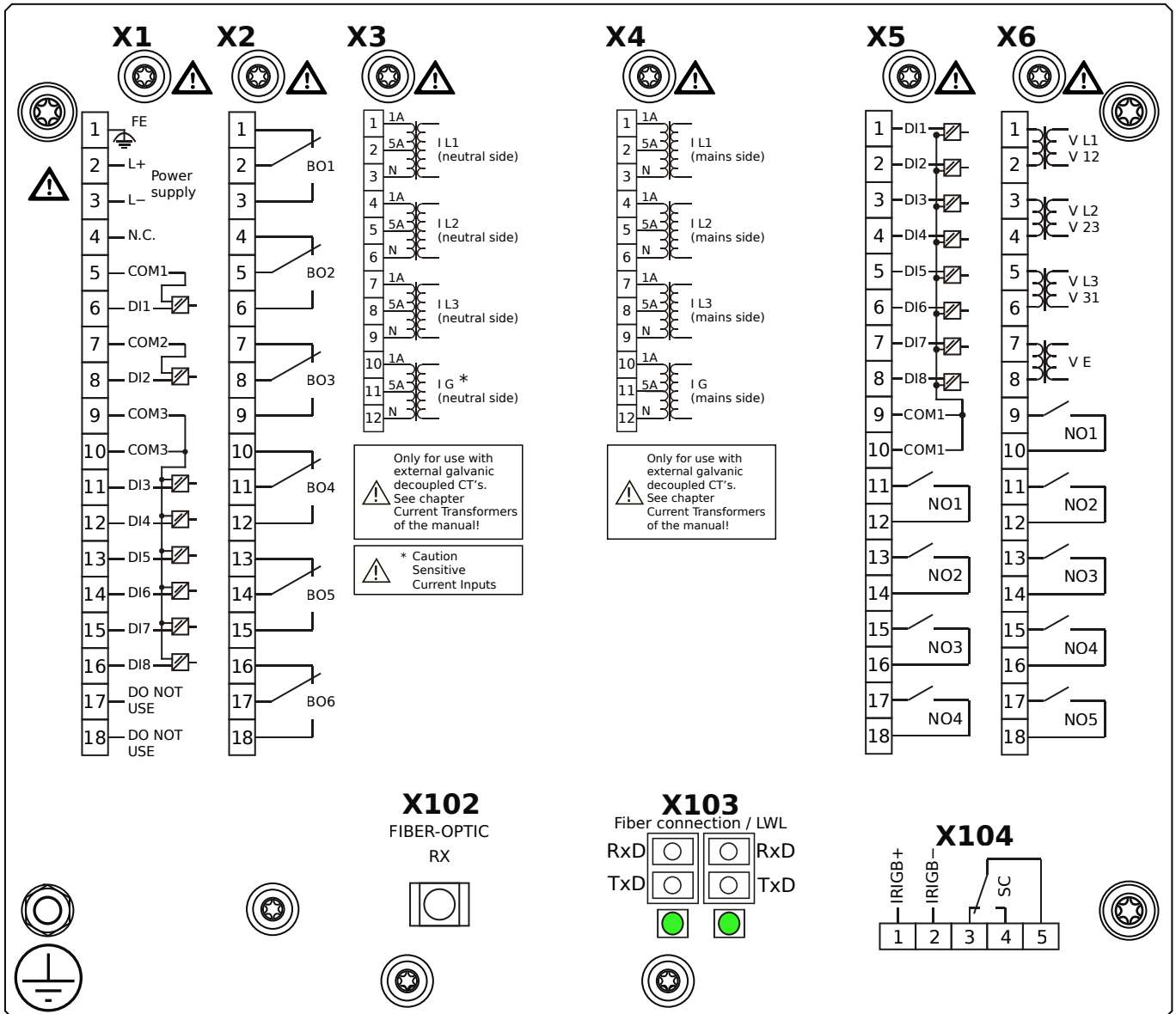


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
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- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

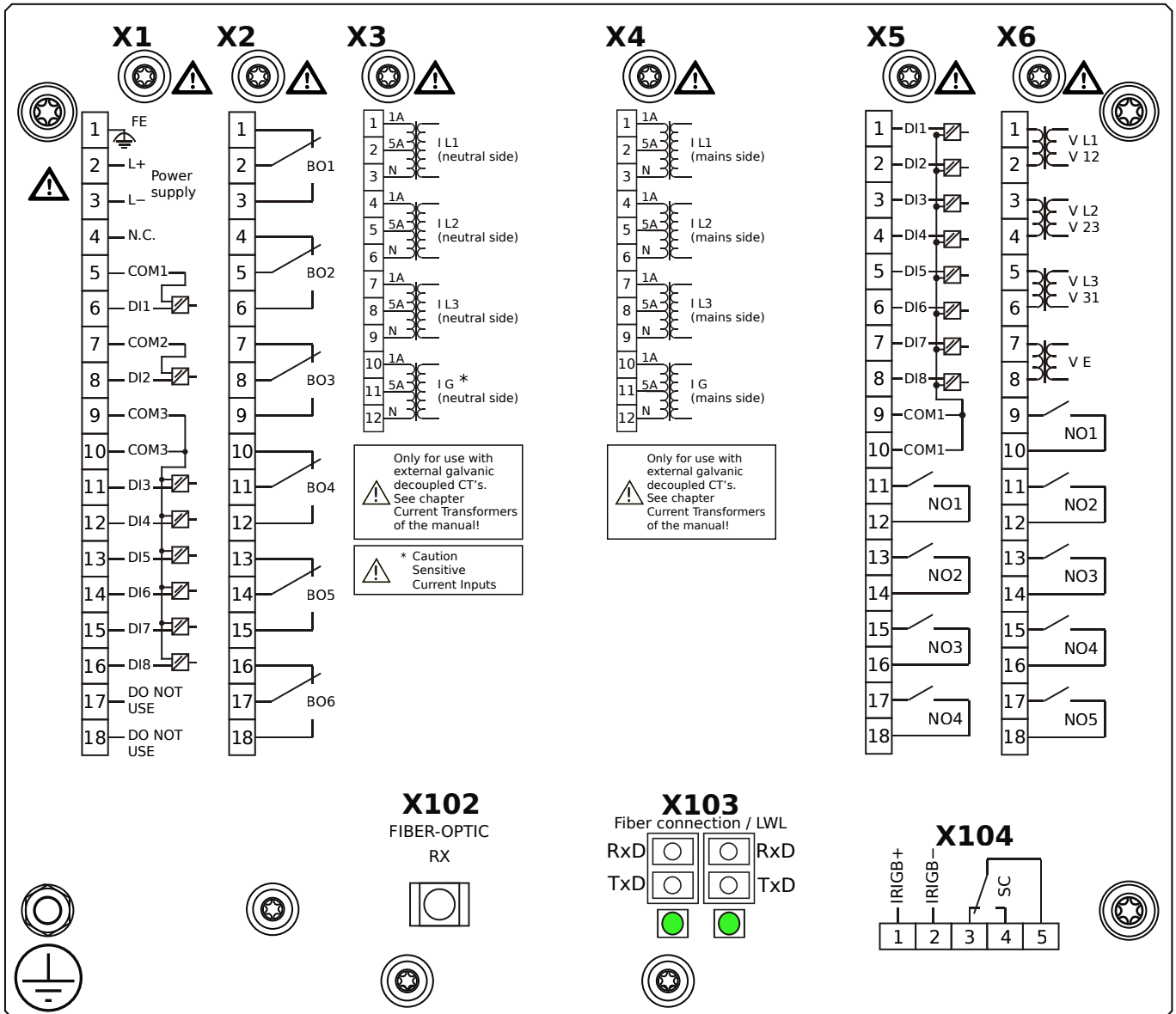
MCDGV4-2D1BOA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1BOB

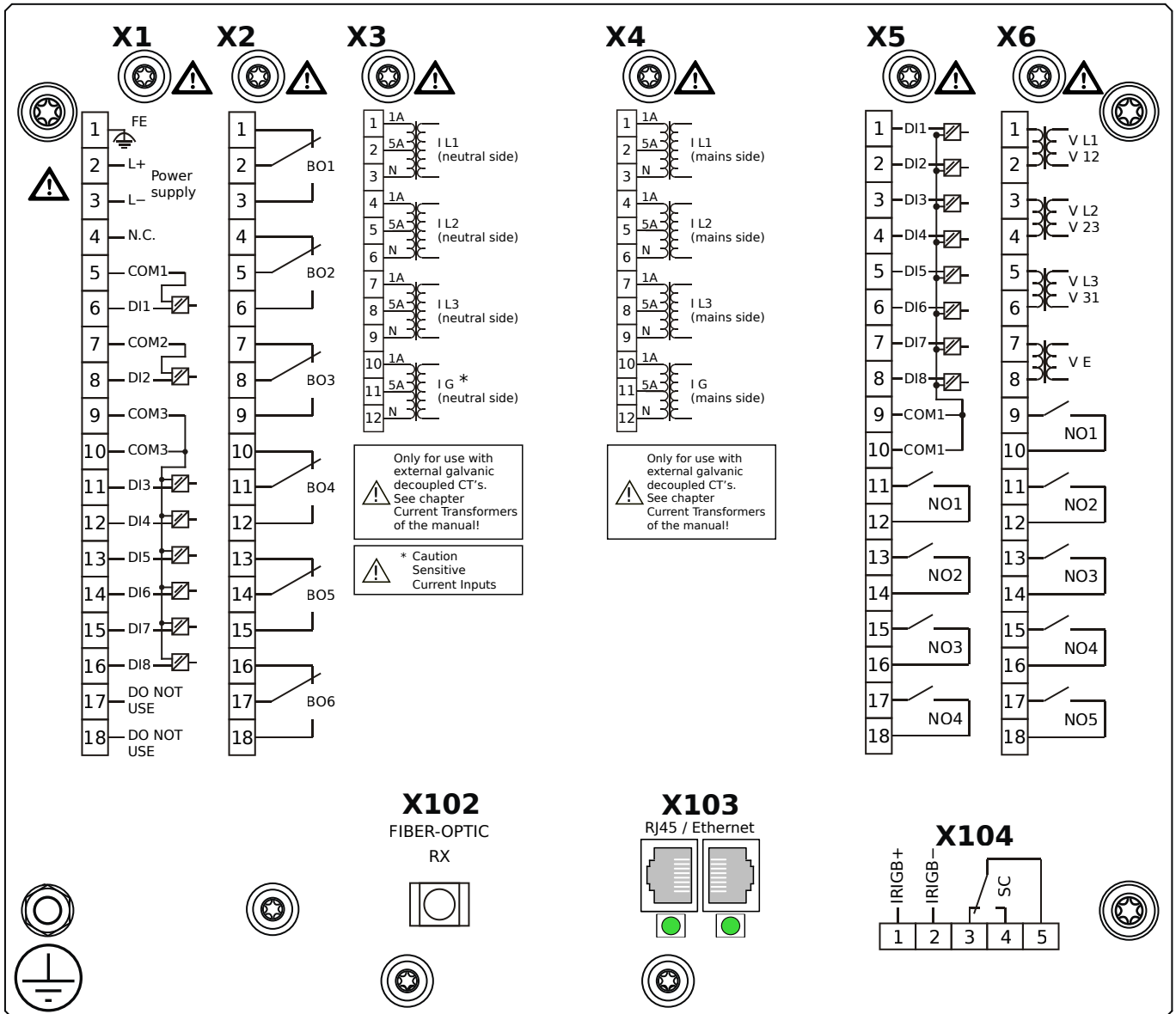


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

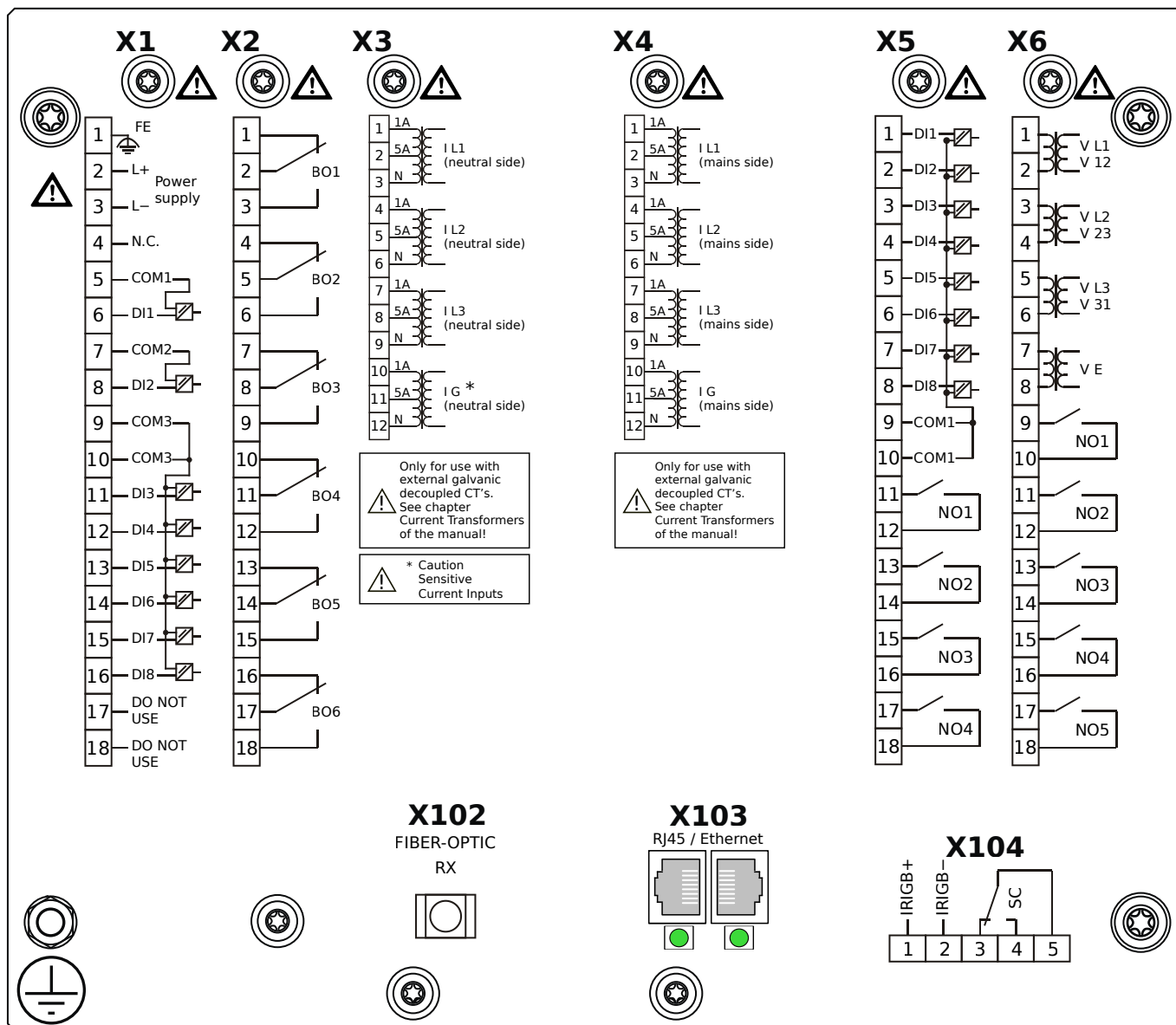
MCDGV4-2D1BPA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1BPB

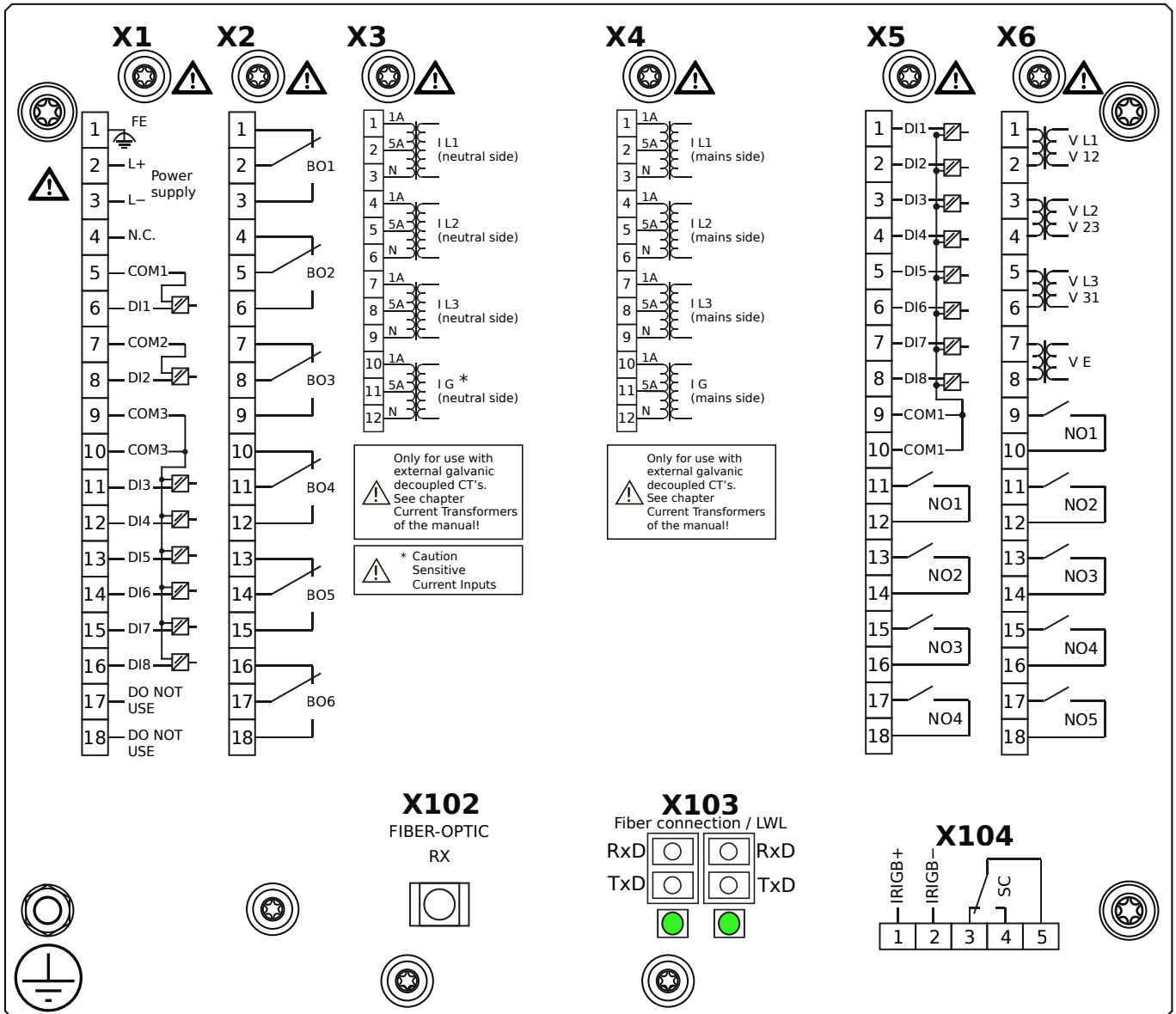


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

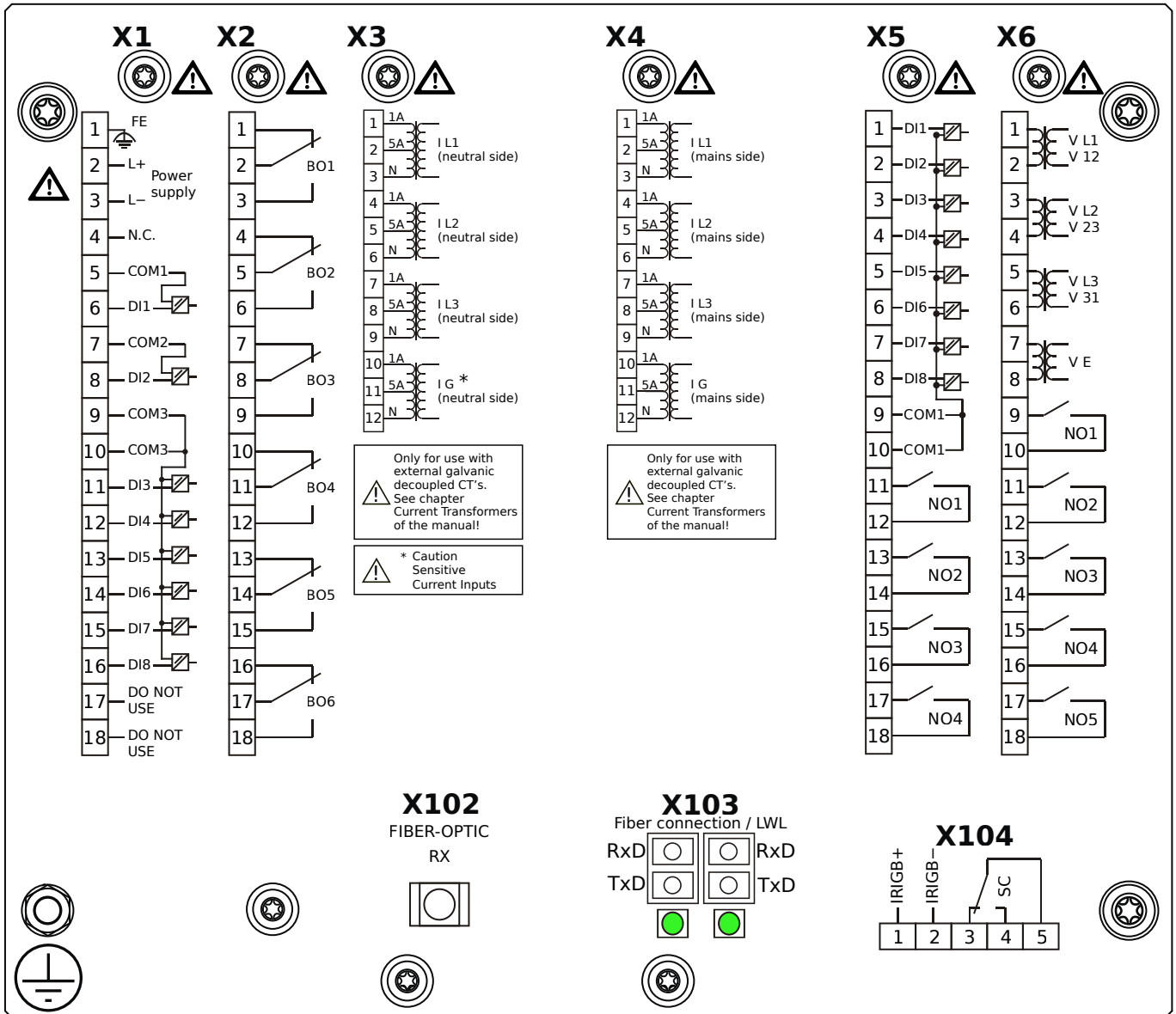
MCDGV4-2D1BQA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1BQB

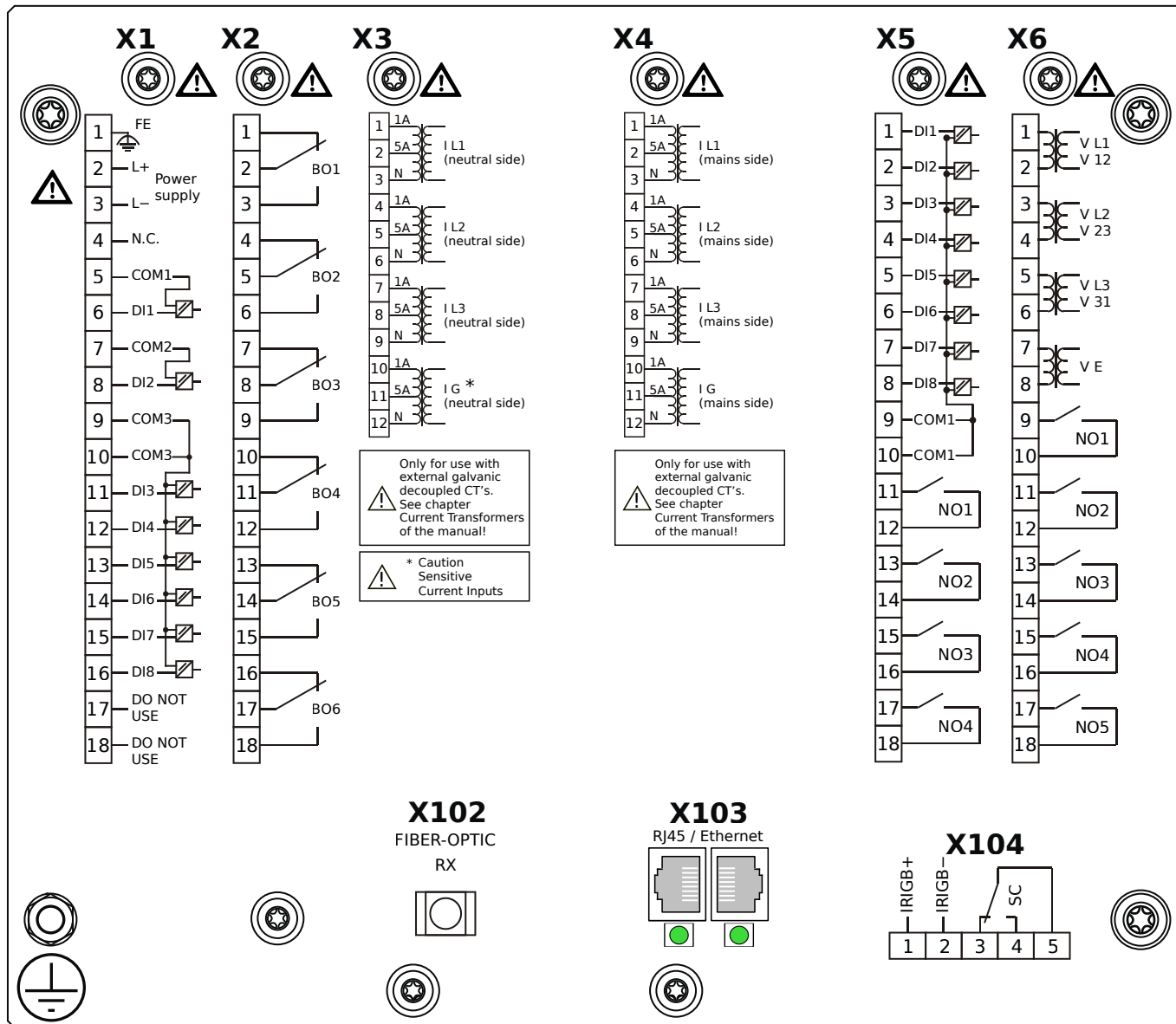


Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Fiber optics interface, LC Connector
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

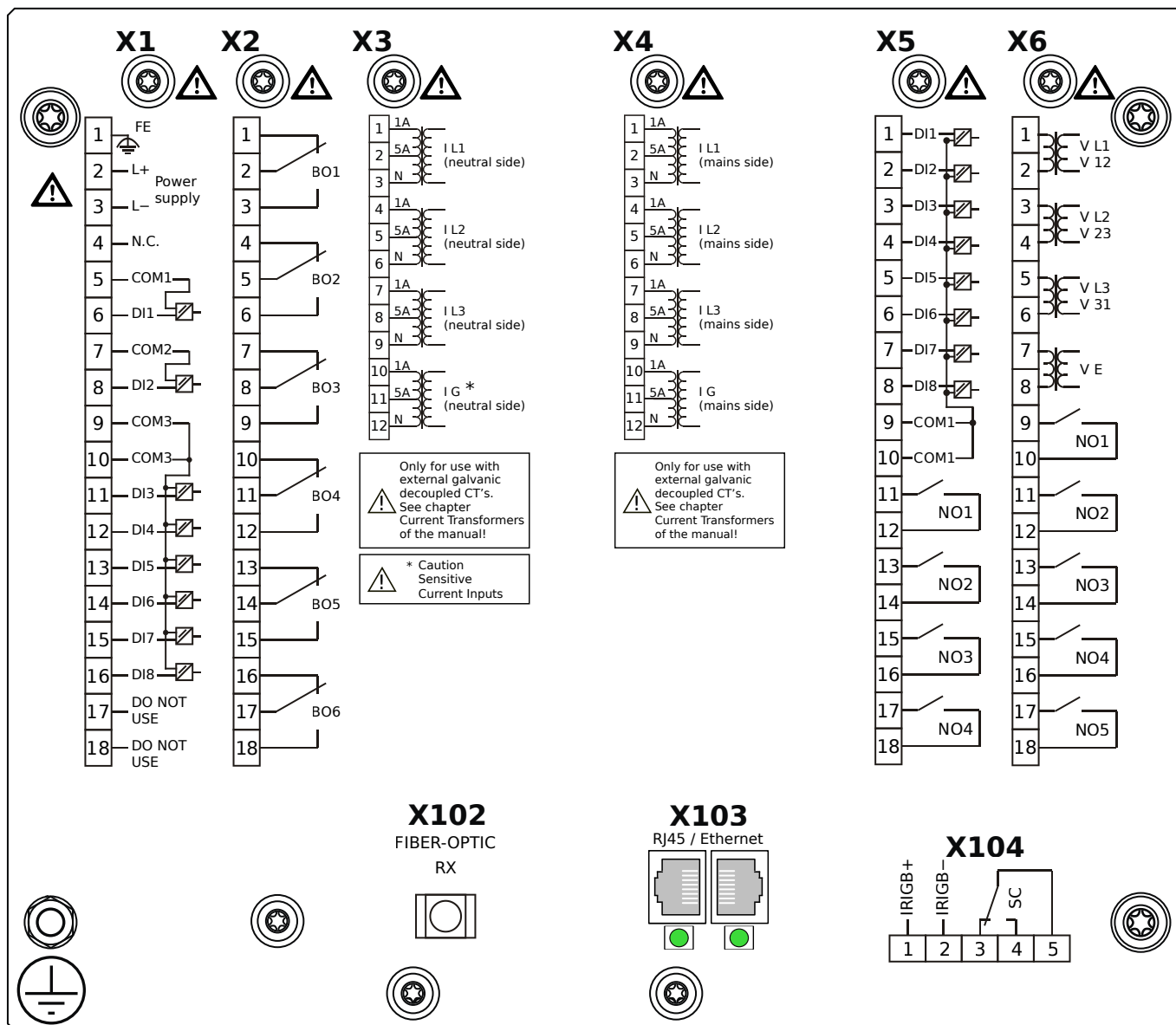
MCDGV4-2D1BRA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45
- (BASE100-FX)
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1BRB



Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)

X4 – TI: Standard current measuring card (for the mains side of the differential protection)

X5 – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)

X6 – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)

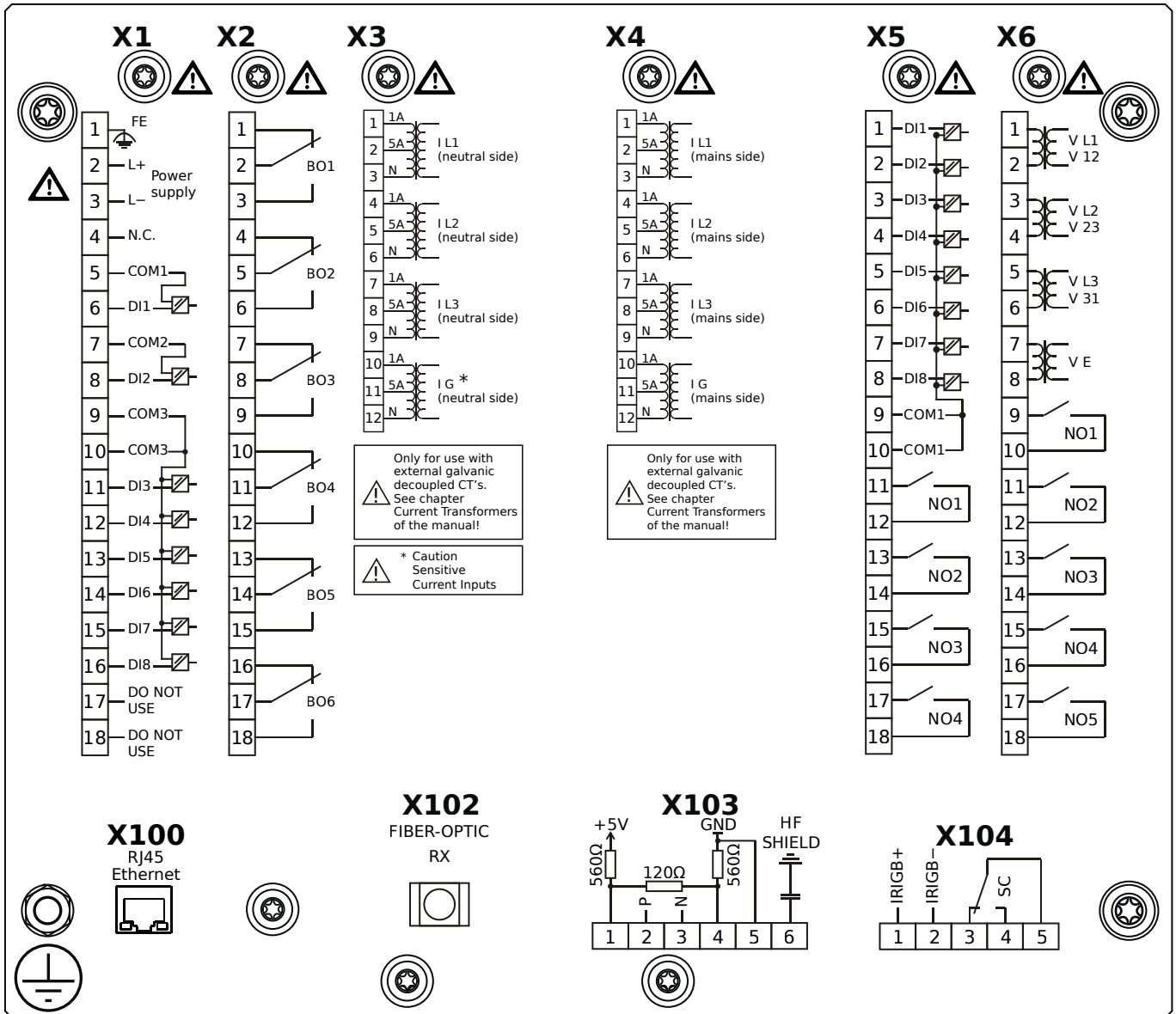
X102 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Redundant Ethernet interface, 100 Mbit/s, RJ45

(BASE100-FX)

X104 – IRIG-B00X, incl. System Contact (Supervision Contact)

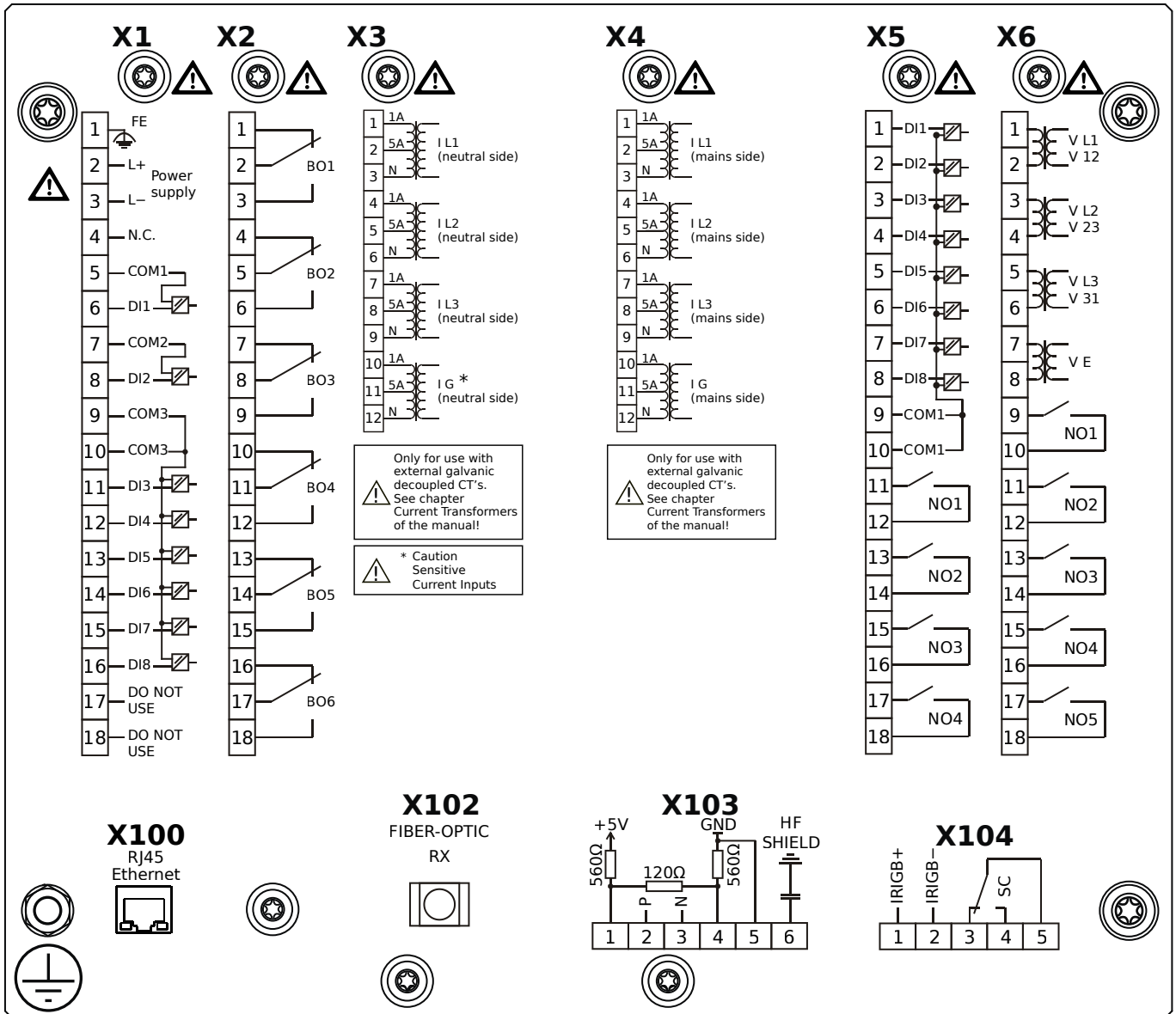
MCDGV4-2D1BTA



Housing B2, large display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
- X4** – TI: Standard current measuring card (for the mains side of the differential protection)
- X5** – DI8-OR4: Assembly Group with 8 Digital Inputs and 4 Output Relays (NO / Form A)
- X6** – TU-OR5: Voltage measuring (0 ... 300 VAC) assembly group with 5 additional Output Relays (NO / Form A)
- X100** – IEC 61850 / Modbus TCP / IEC 60870-5-104 / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-
FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

MCDGV4-2D1BTB



Housing B2, large display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR6: Assembly Group with 6 Output Relays (Changeover / Form C)
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring (neutral side of the diff. prot.)
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 FX)
- X102** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals
- X104** – IRIG-B00X, incl. System Contact (Supervision Contact)

Appendix – Legend

In this legend designations of various device types are listed, e.g. transformer protection, motor protection, generator protection, etc. Therefore it can occur that not every designation actually appears on the wiring diagram of your device.

PE	– Connection of protective earth (see chapter Grounding in the Technical Manual).
FE	– Connection of functional earth (see chapter Grounding in the Technical Manual).
Power Supply	– Connection for auxiliary power supply.
IL1	– Phase current input L1 (in some countries designated as IA).
IL2	– Phase current input L2 (in some countries designated as IB).
IL3	– Phase current input L3 (in some countries designated as IC).
ILx C–D	– WIC1 Test windings.
ILx S1–S2	– WIC1 phase current inputs.
IL1 W1 ... IL3 W1	– Phase current input L1...L3, winding side 1.
IL1 W2 ... IL3 W2	– Phase current input L1...L3, winding side 2.
IG	– Ground (earth) current input.
IG W1, IG W2	– Ground (earth) current input, winding side 1 / 2.
VL1	– Phase-to-neutral voltage L1 (in some countries designated as VA).
VL2	– Phase-to-neutral voltage L2 (in some countries designated as VB).
VL3	– Phase-to-neutral voltage L3 (in some countries designated as VC).
VL12	– Phase-to-phase voltage V12 (in some countries designated as VAB).
VL23	– Phase-to-phase voltage V23 (in some countries designated as VBC).
VL31	– Phase-to-phase voltage V31 (in some countries designated as VCA).
VX	– 4th voltage measuring input for measuring residual voltage or synchro-check.
BO	– Binary output relay.
NO / NC	– Contact output, normally open (Form A) / closed (Form B).
DI	– Digital input.
COM	– Common connection of digital inputs.
Out+, AnOut	– Analog output + (0/4...20 mA or 0...10 V).
In–, AnIn	– Analog input + (0/4...20 mA or 0...10 V).
n.c.	– Not connected.
DO NOT USE	– Do not use. (Caution: Non-usable internal wiring may exist.)
SC	– Self-supervision contact.
HF SHIELD	– Connection cable shield.
Fiber Optics / LWL	– Fiber optic connection.

High **PROTEC**

MCDGV4

WIRING DIAGRAMS

