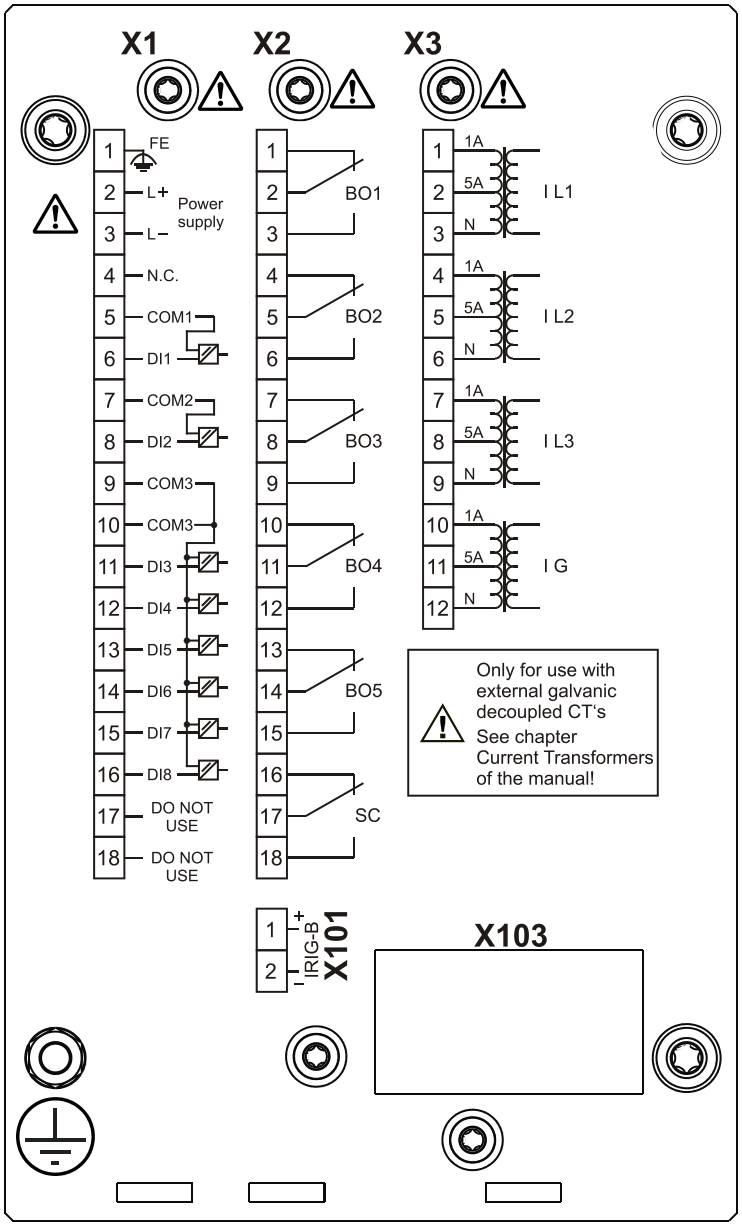
MRM4-2A0AAB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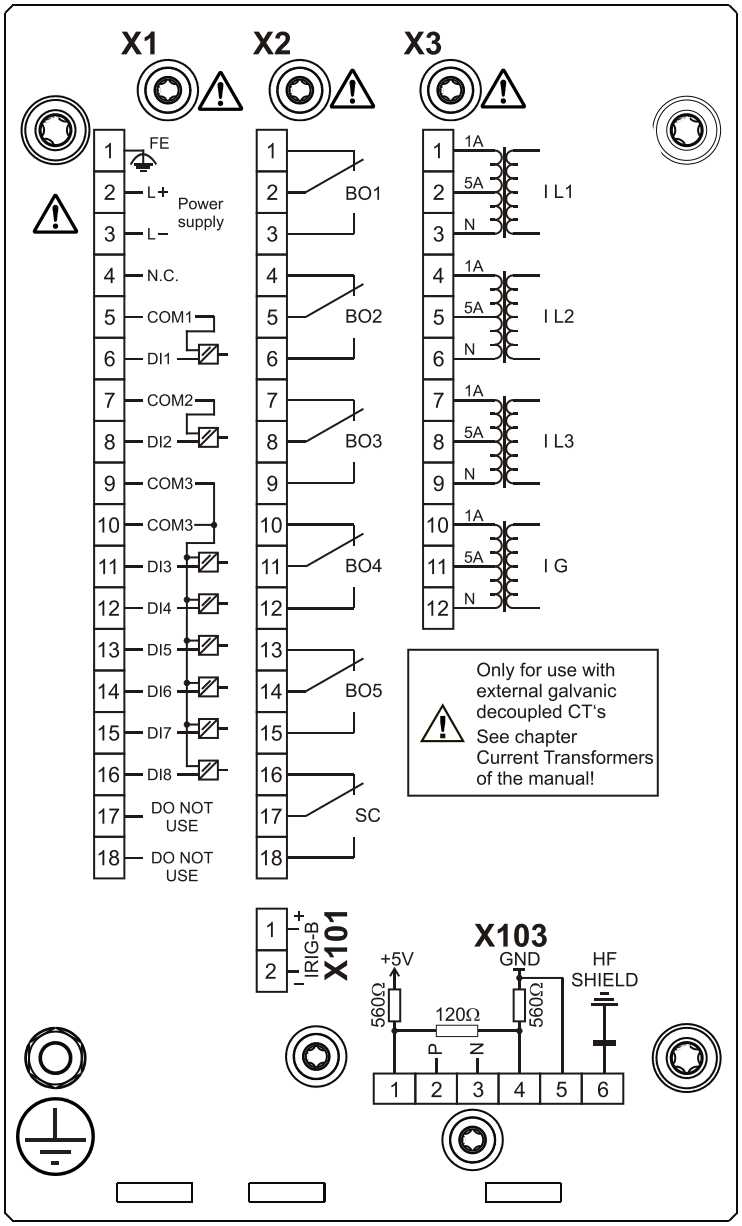
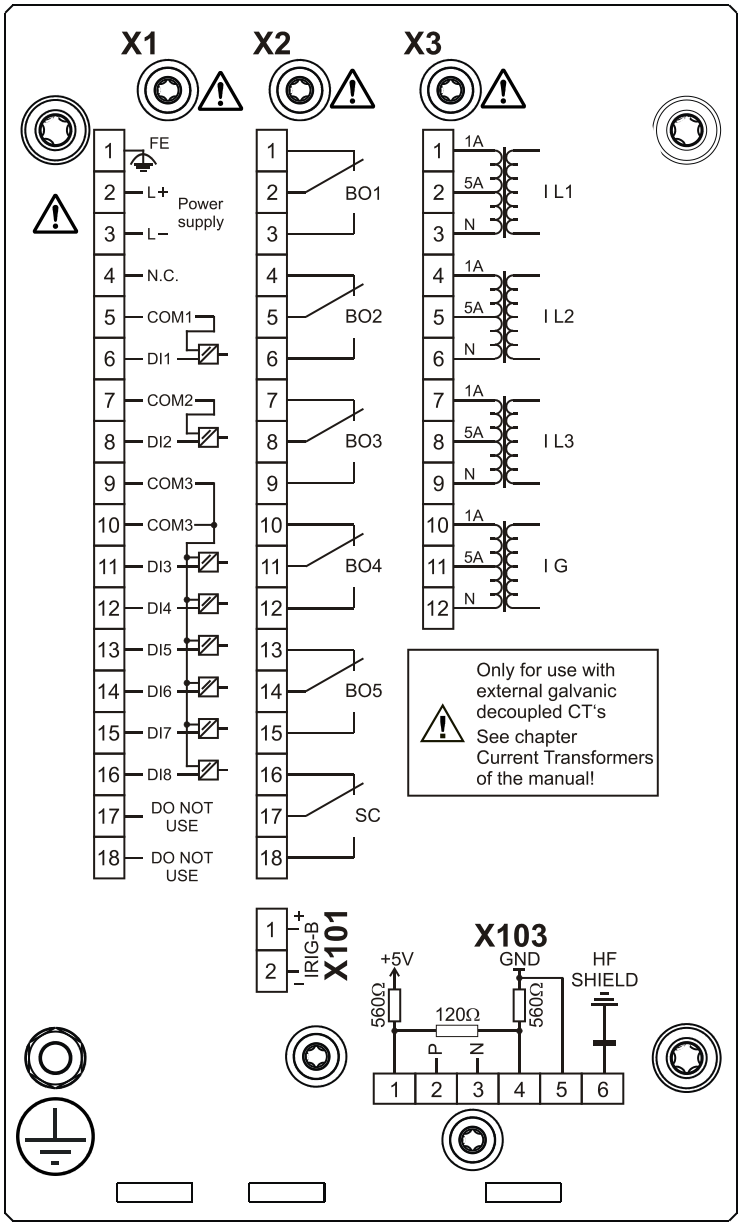
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2
3
4 BO2
5
6
7 BO3
8
9
10 BO4
11
12
13 BO5
14
15
16 SC
17
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
+
–
X103

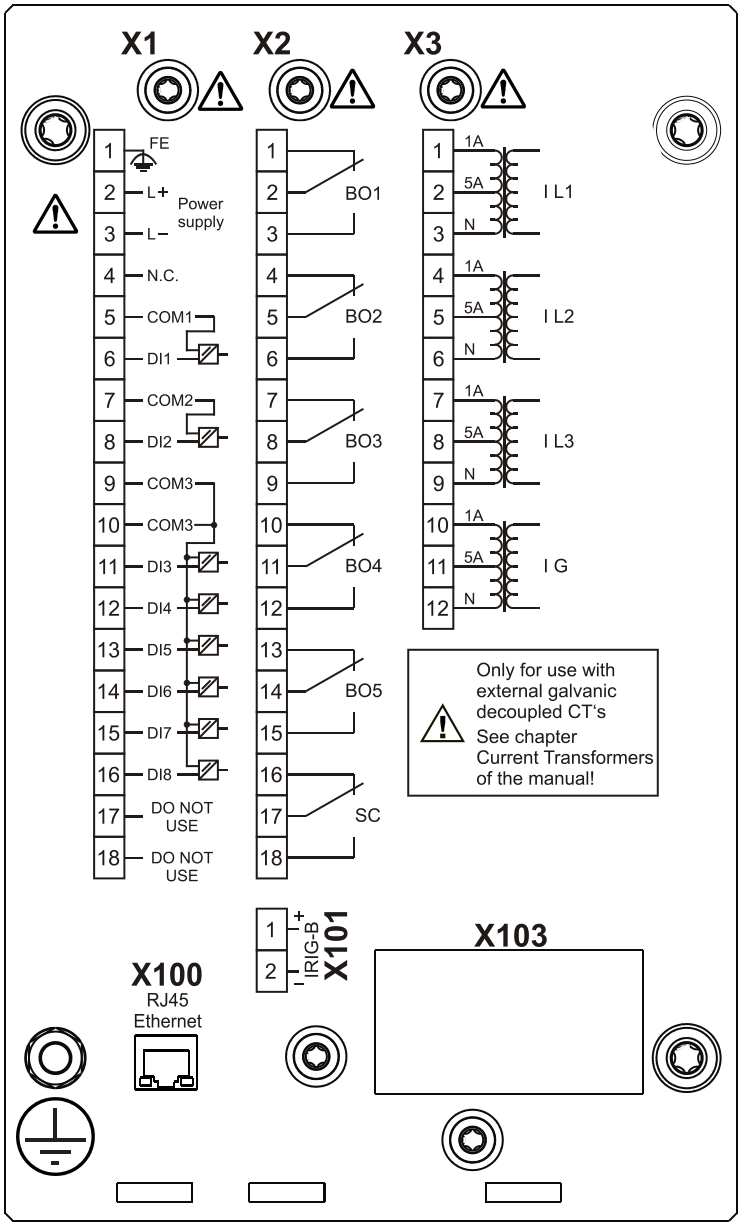
MRM4-2A0ABA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

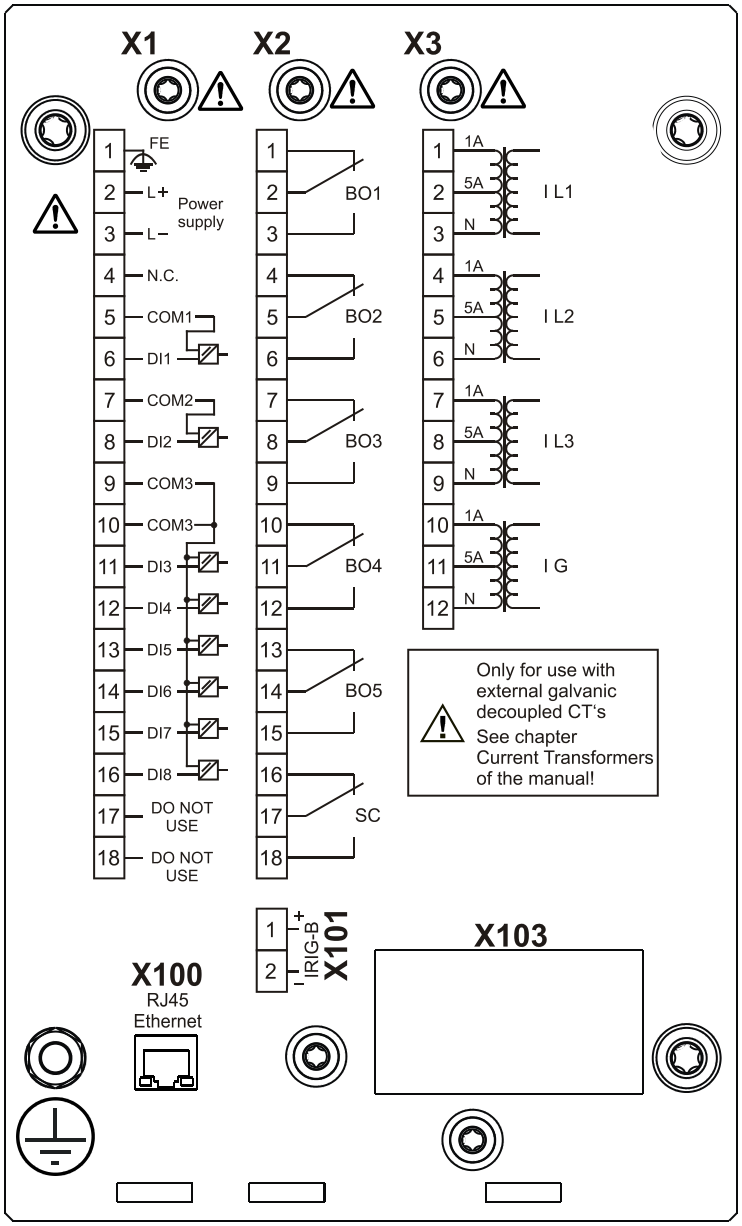
MRM4-2A0ABB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

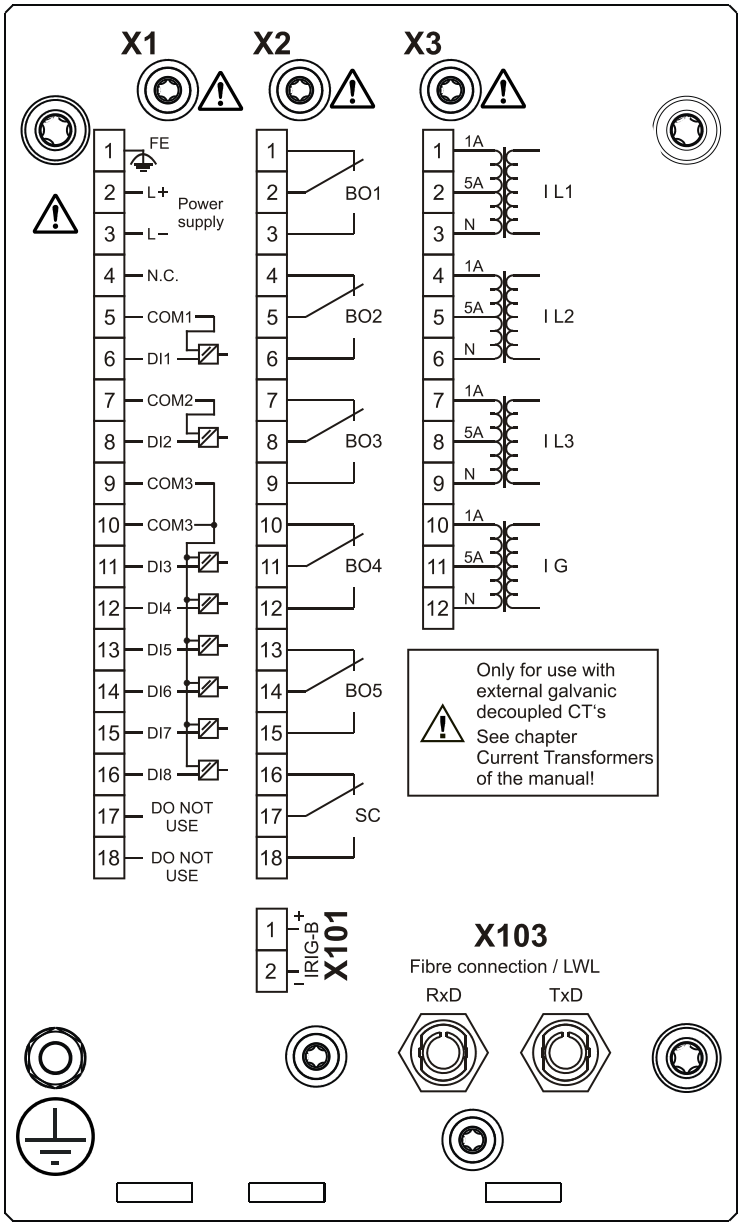
MRM4-2A0ACA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
1 +
2 –
IRIG-B
X101
X103

MRM4-2A0ACB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X101
IRIG-B
+
–
X103

MRM4-2A0ADA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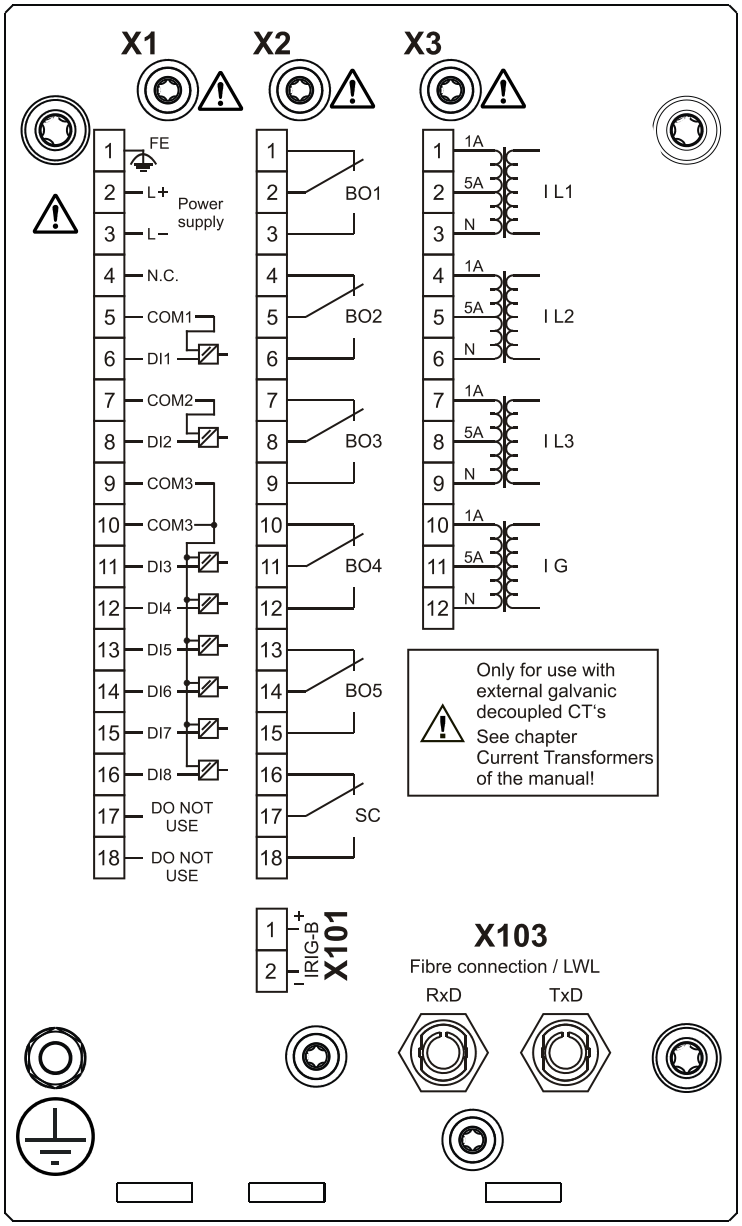
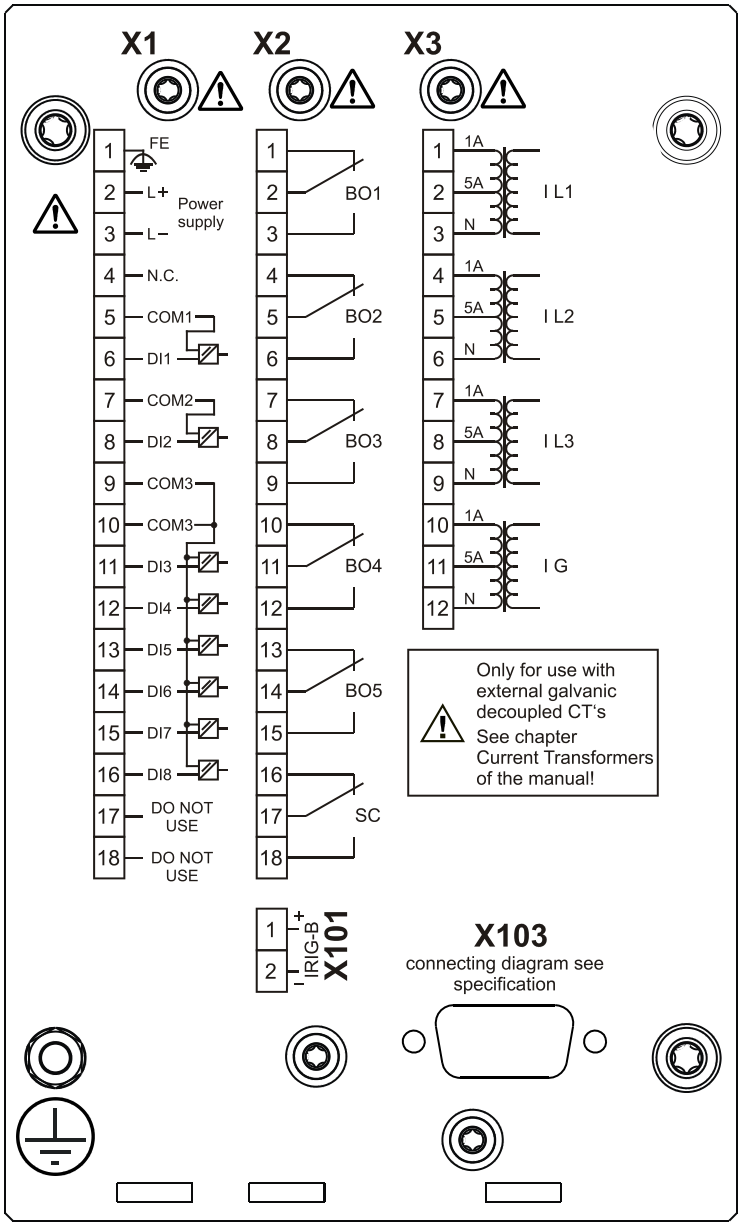
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2
3
4 BO2
5
6
7 BO3
8
9
10 BO4
11
12
13 BO5
14
15
16 SC
17
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
+
–
X103
Fibre connection / LWL
RxD
TxD

MRM4-2A0ADB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT‘s
See chapter Current Transformers of the manual!
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

MRM4-2A0AEA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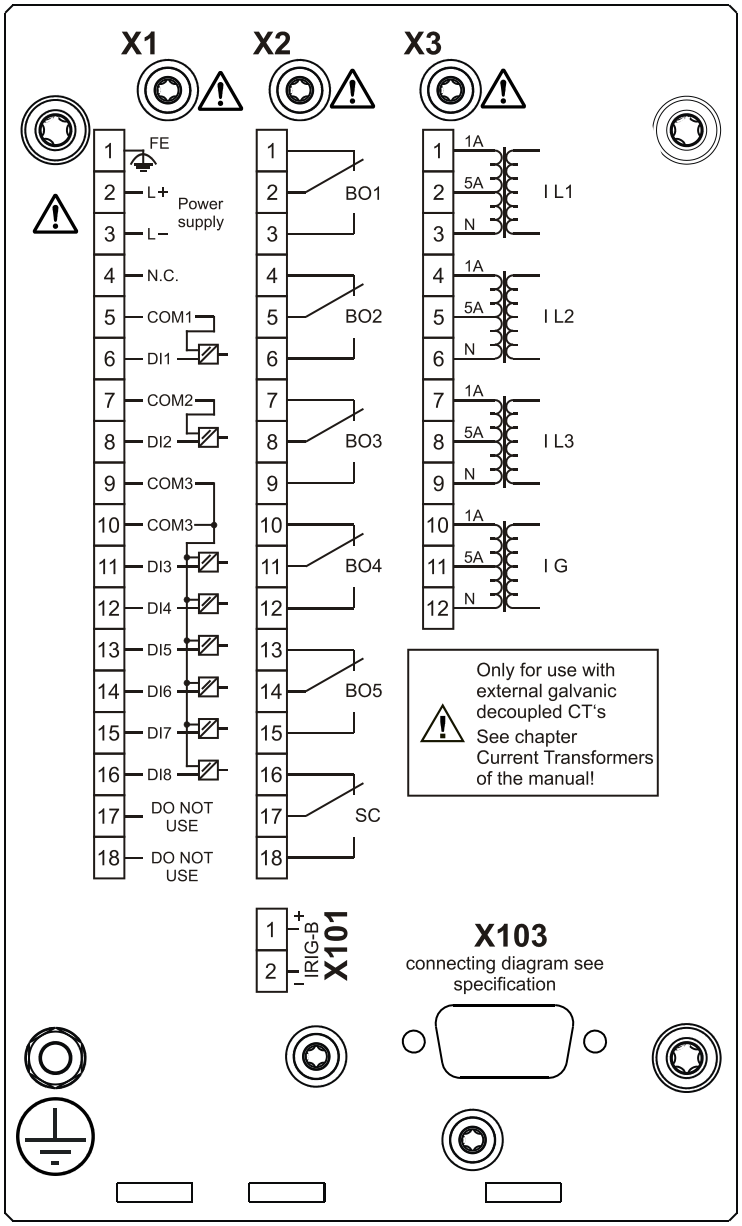
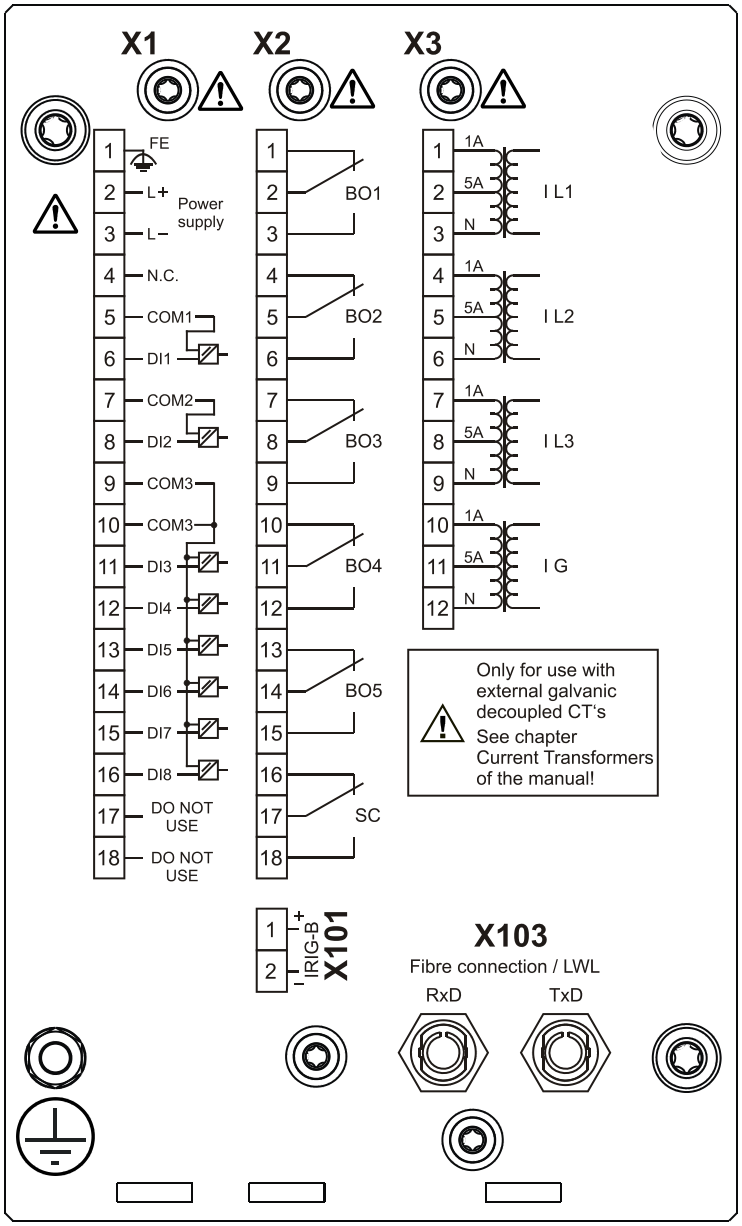
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
+
–
X103
connecting diagram see specification

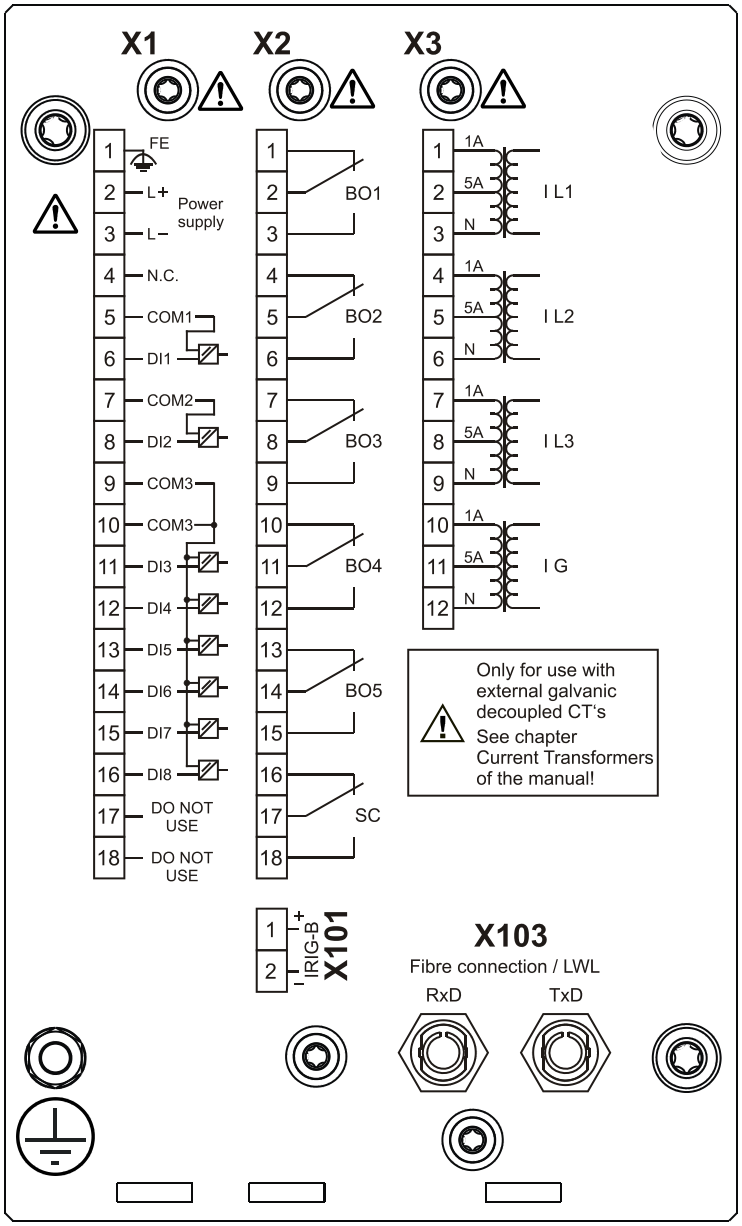
MRM4-2A0AEB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
1 +
2 –
IRIG-B
X101
X103
connecting diagram see specification

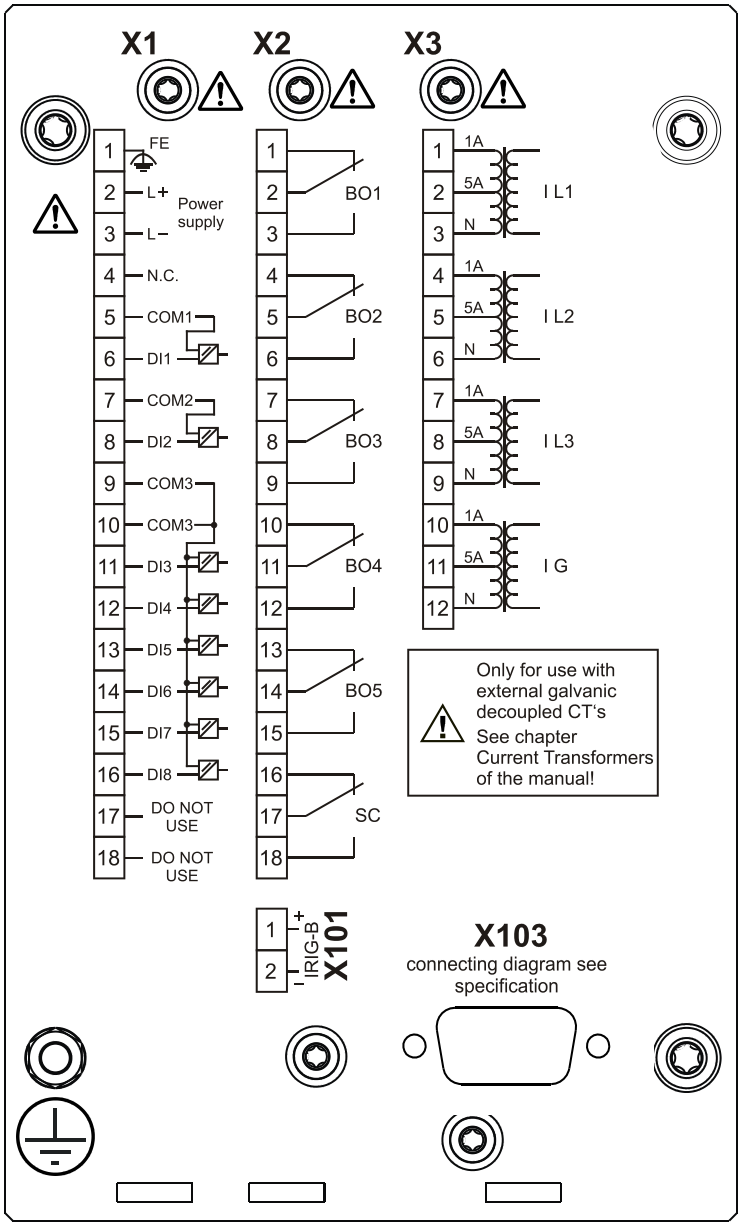
MRM4-2A0AFA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

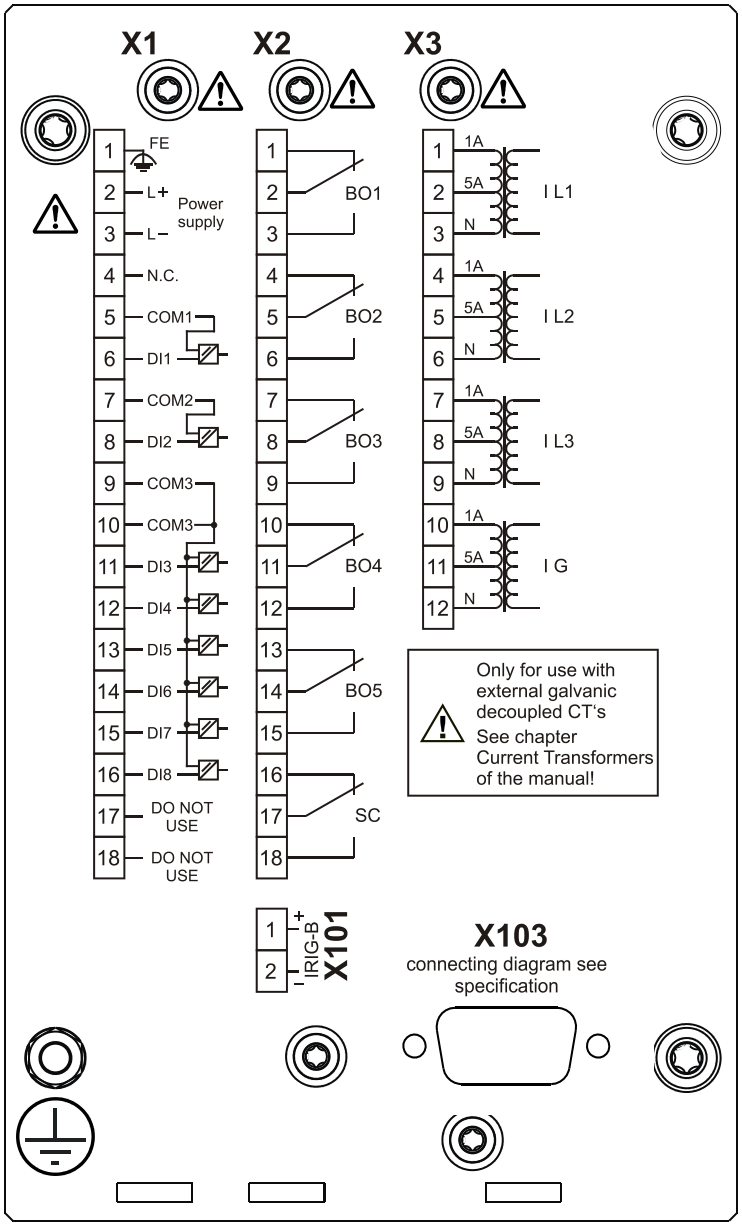
MRM4-2A0AFB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

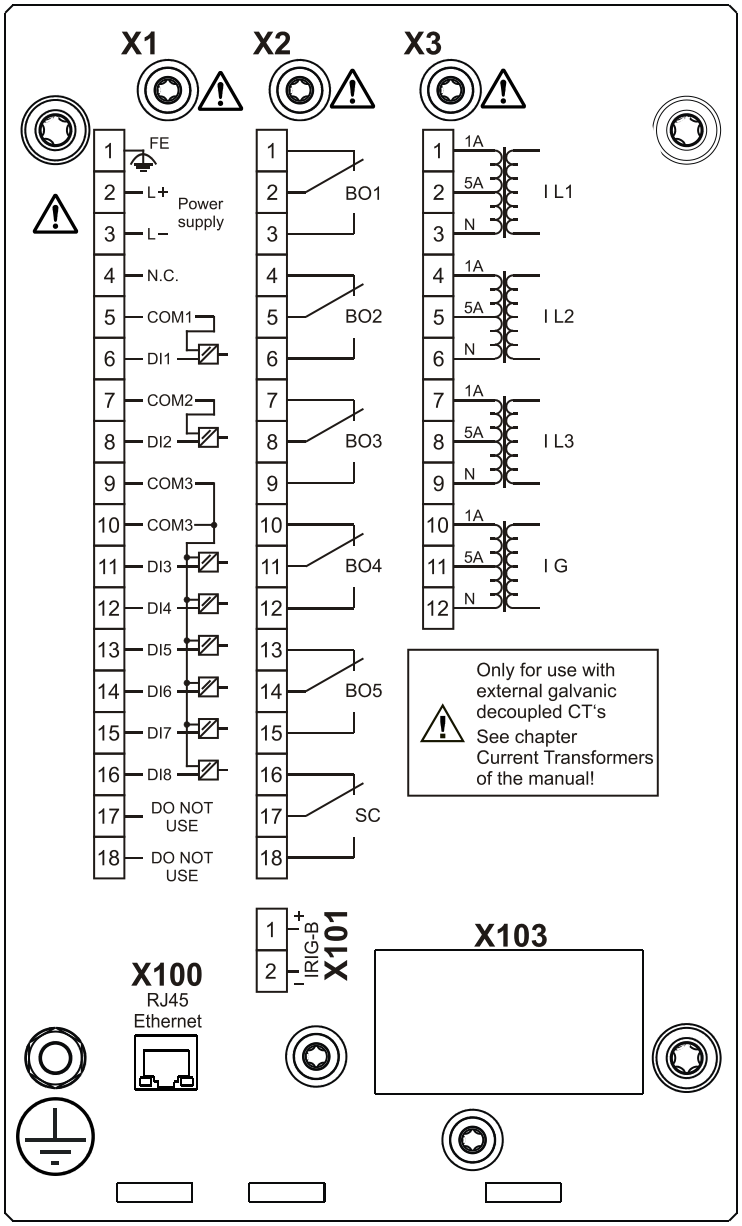
MRM4-2A0AGA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2
3
4 BO2
5
6
7 BO3
8
9
10 BO4
11
12
13 BO5
14
15
16 SC
17
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
+
–
X103
connecting diagram see specification

MRM4-2A0AGB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
X103
connecting diagram see specification

MRM4-2A0AHA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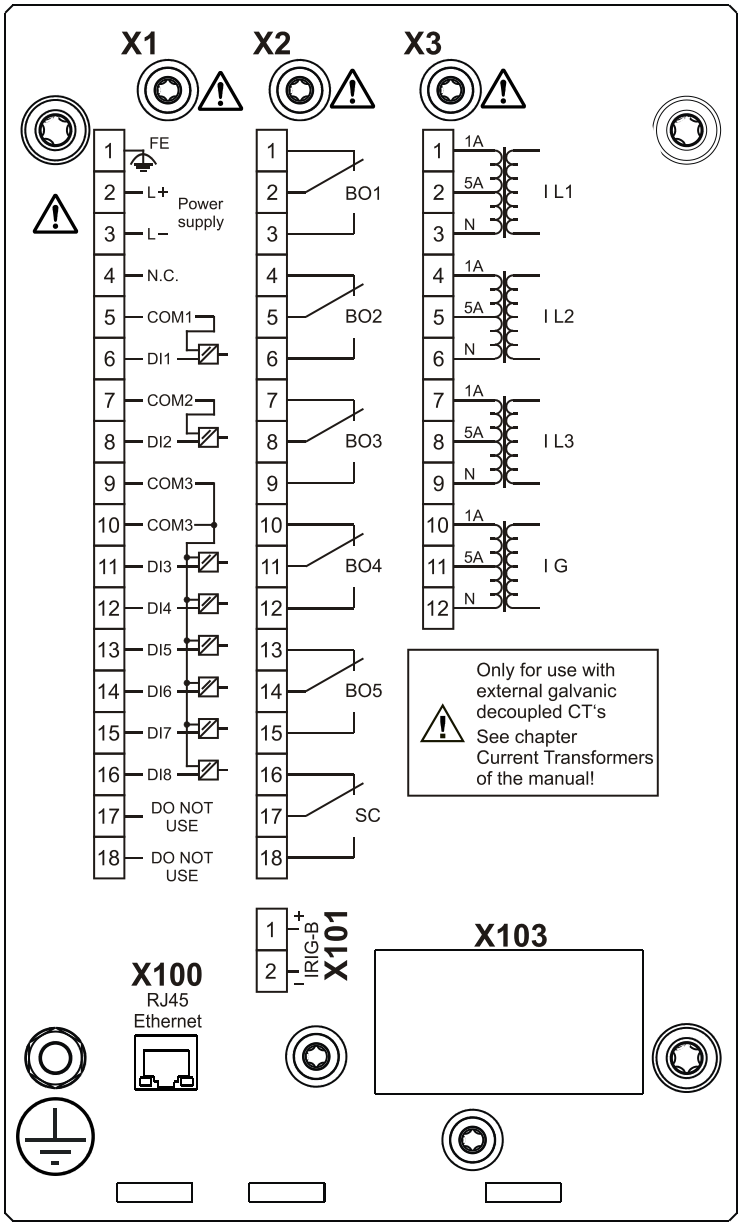
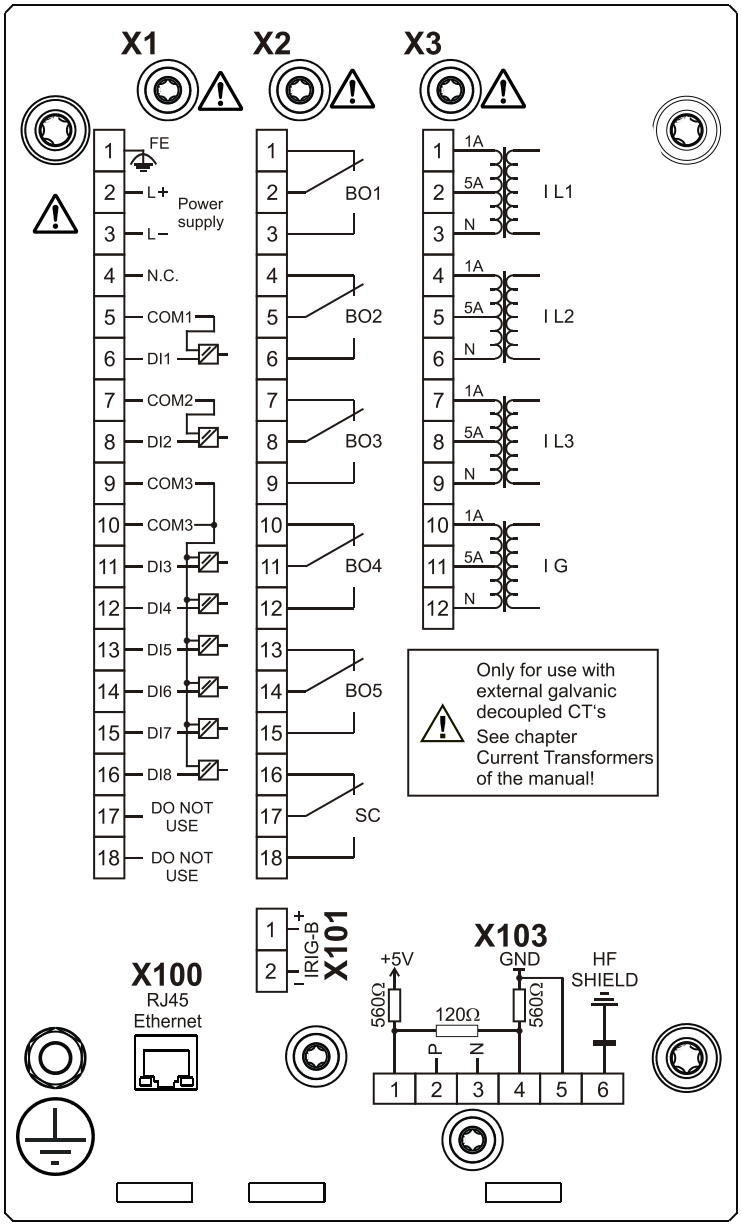
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
1 +
2 –
IRIG-B
X101
X103

MRM4-2A0AHB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
1 +
2 –
IRIG-B
X101
X103

MRM4-2A0AIA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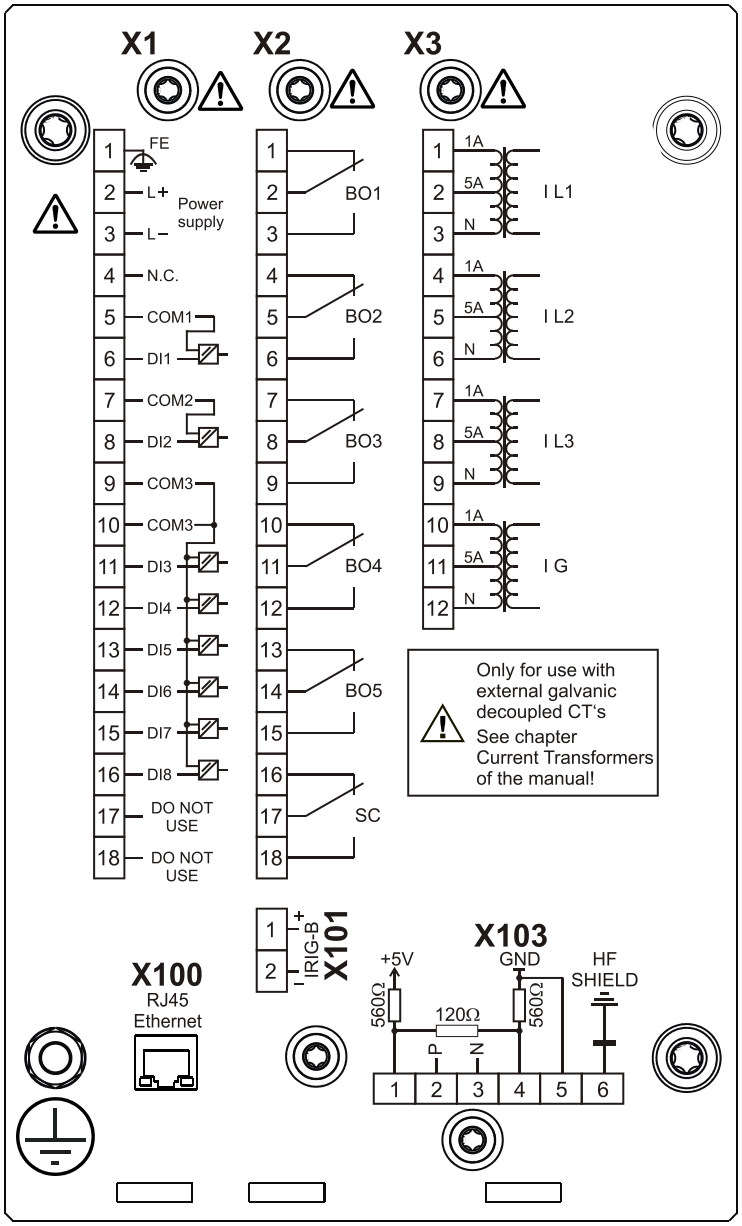
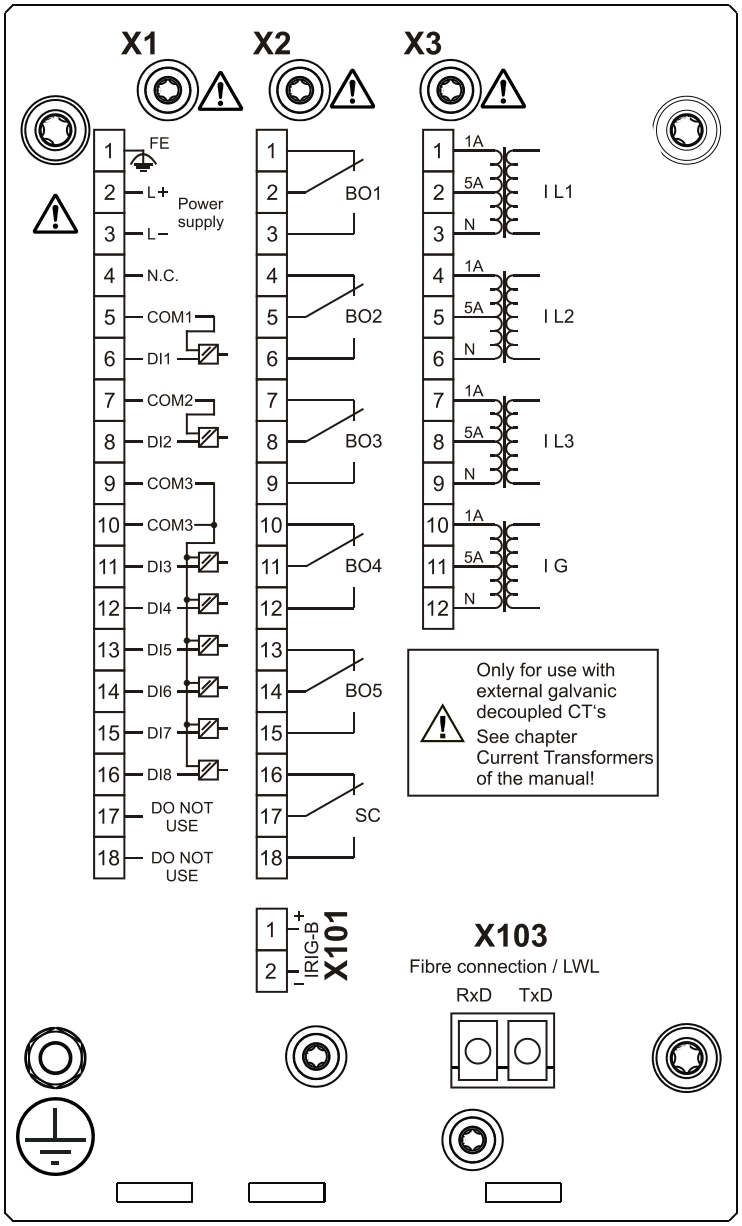
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO2
3 BO3
4 BO4
5 BO5
6 SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X101
IRIG-B
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

MRM4-2A0AIB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X101
IRIG-B
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

MRM4-2A0AKA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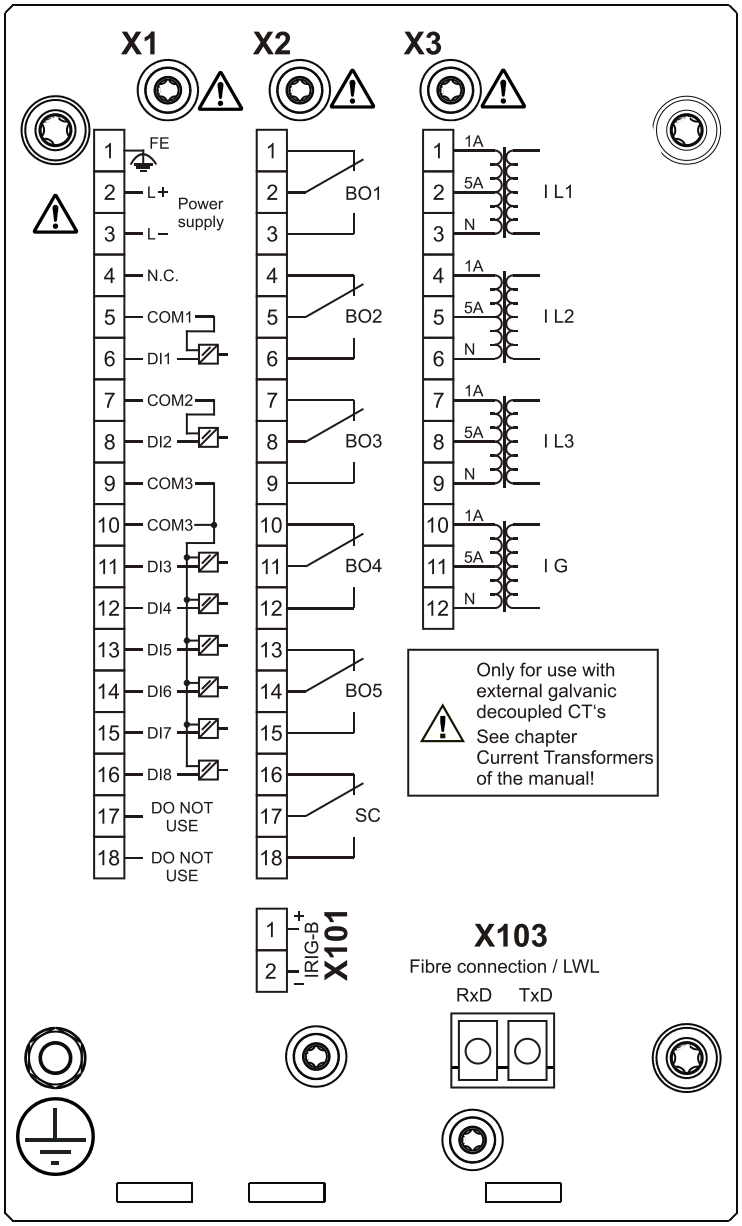
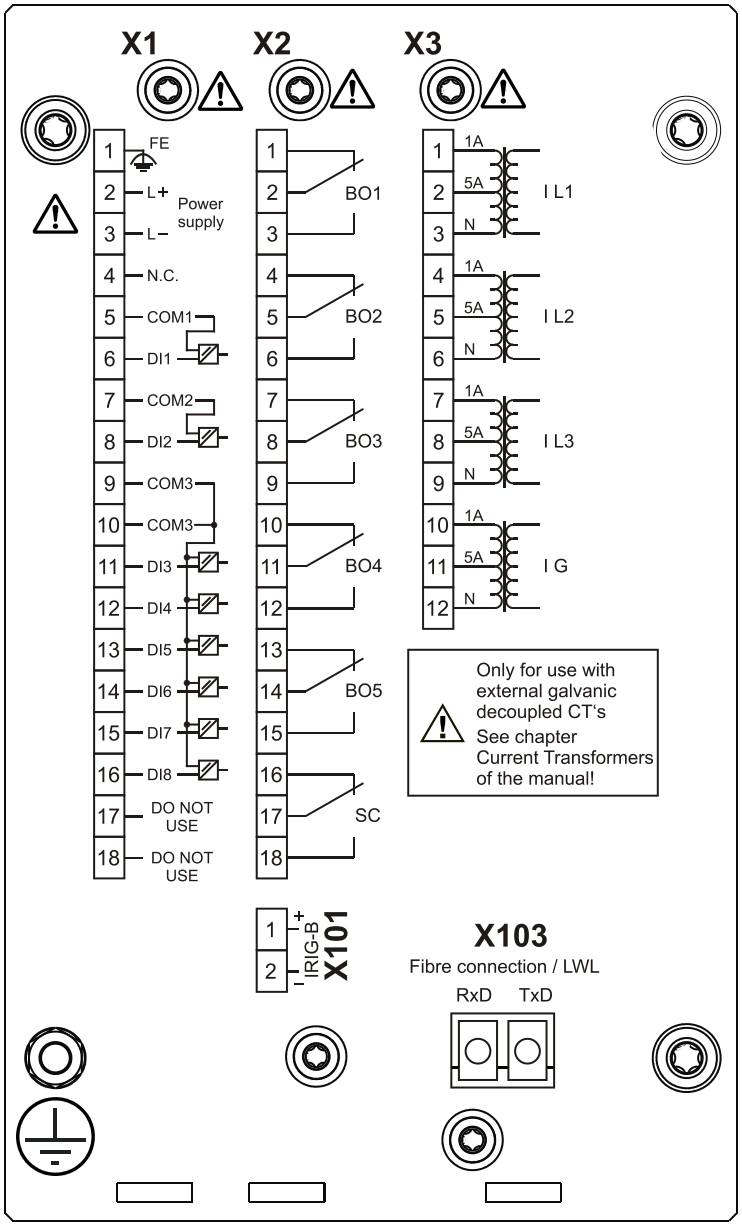
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
1 +
2 –
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

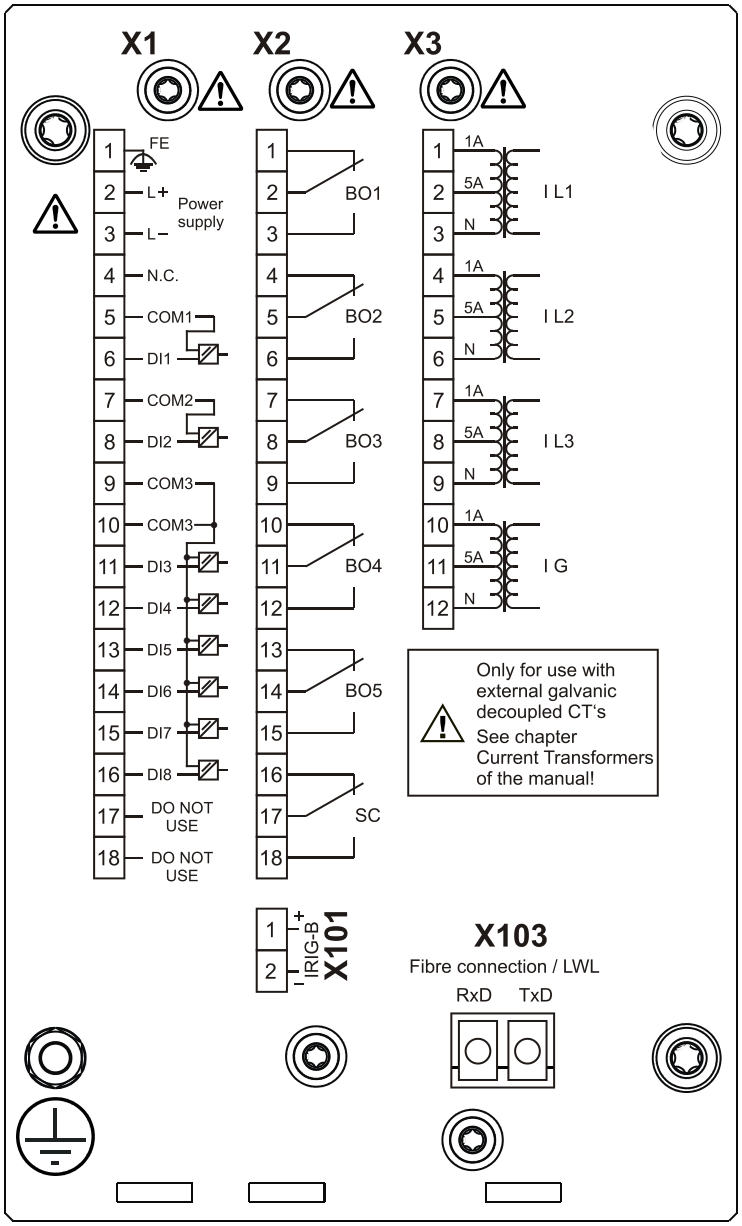
MRM4-2A0AKB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2
3
4 BO2
5
6
7 BO3
8
9
10 BO4
11
12
13 BO5
14
15
16 SC
17
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
+
–
X103
Fibre connection / LWL
RxD
TxD

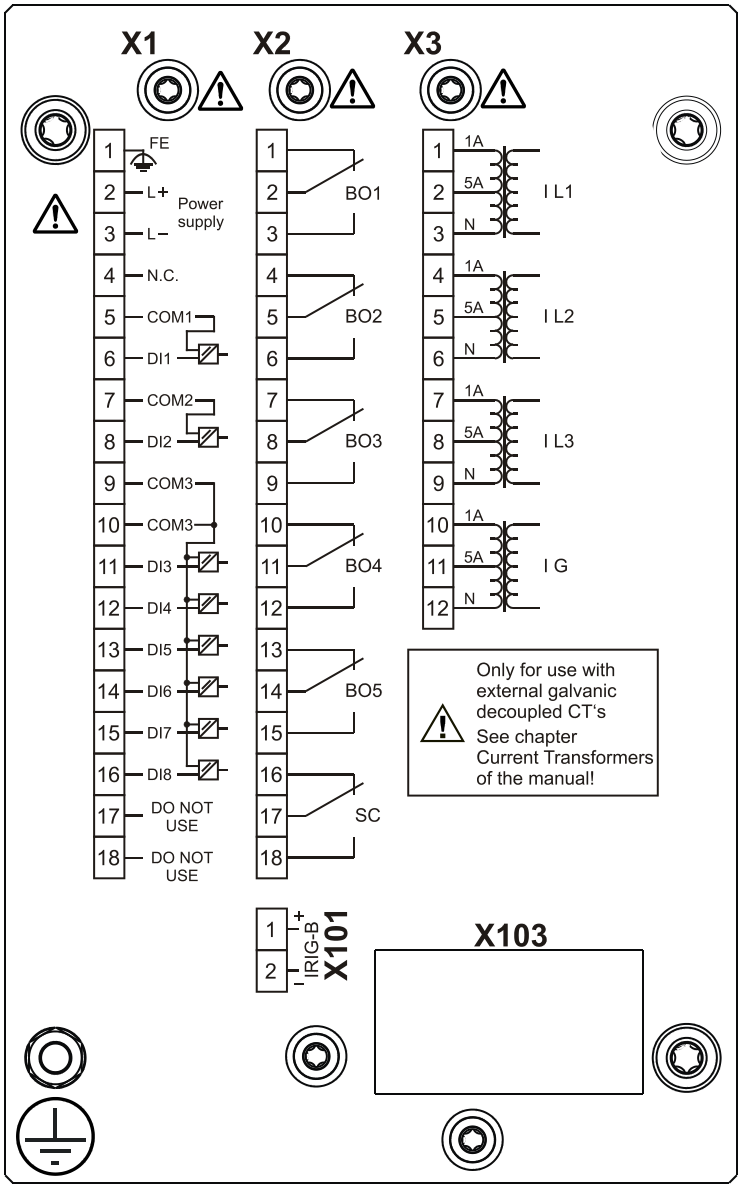
MRM4-2A0ALA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2
3
4 BO2
5
6
7 BO3
8
9
10 BO4
11
12
13 BO5
14
15
16 SC
17
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
+
–
X103
Fibre connection / LWL
RxD
TxD

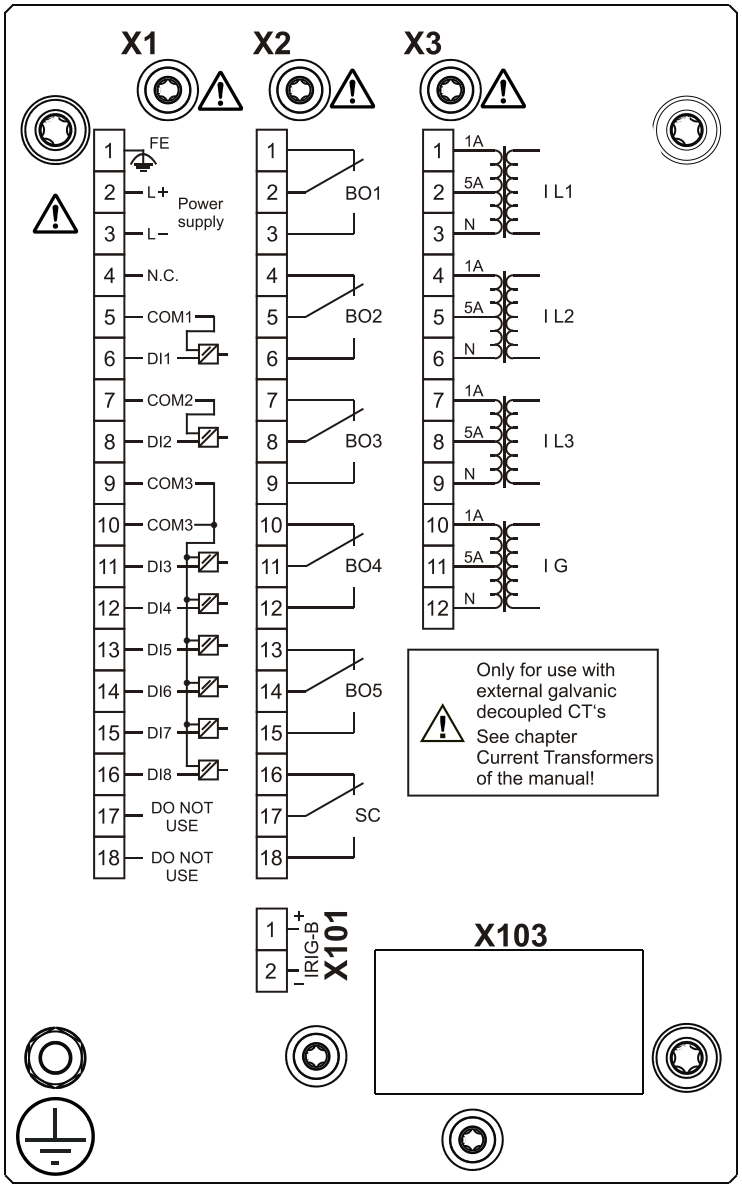
MRM4-2A0ALB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2
3
4 BO2
5
6
7 BO3
8
9
10 BO4
11
12
13 BO5
14
15
16 SC
17
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
+
–
X103
Fibre connection / LWL
RxD
TxD

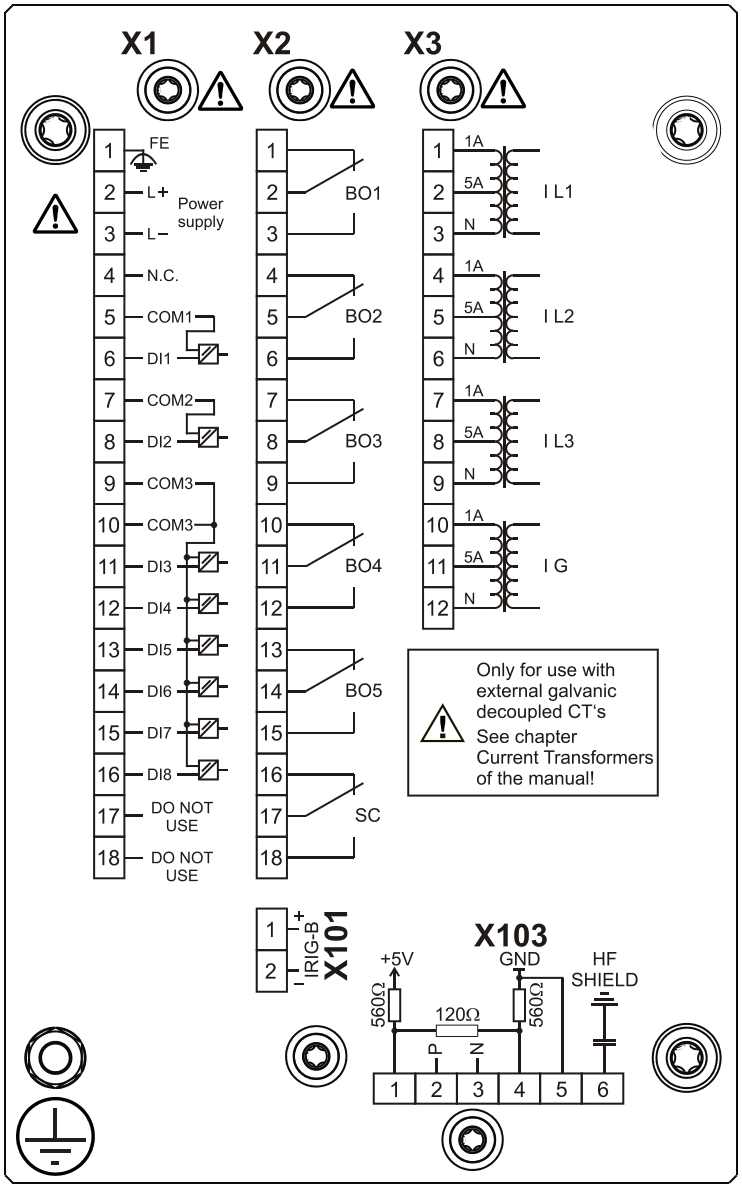
MRM4-2A0BAA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3 BO1
4 BO2
5 BO2
6 BO2
7 BO3
8 BO3
9 BO3
10 BO4
11 BO4
12 BO4
13 BO5
14 BO5
15 BO5
16 SC
17 SC
18 SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
1 +
2 –
IRIG-B
X101
X103

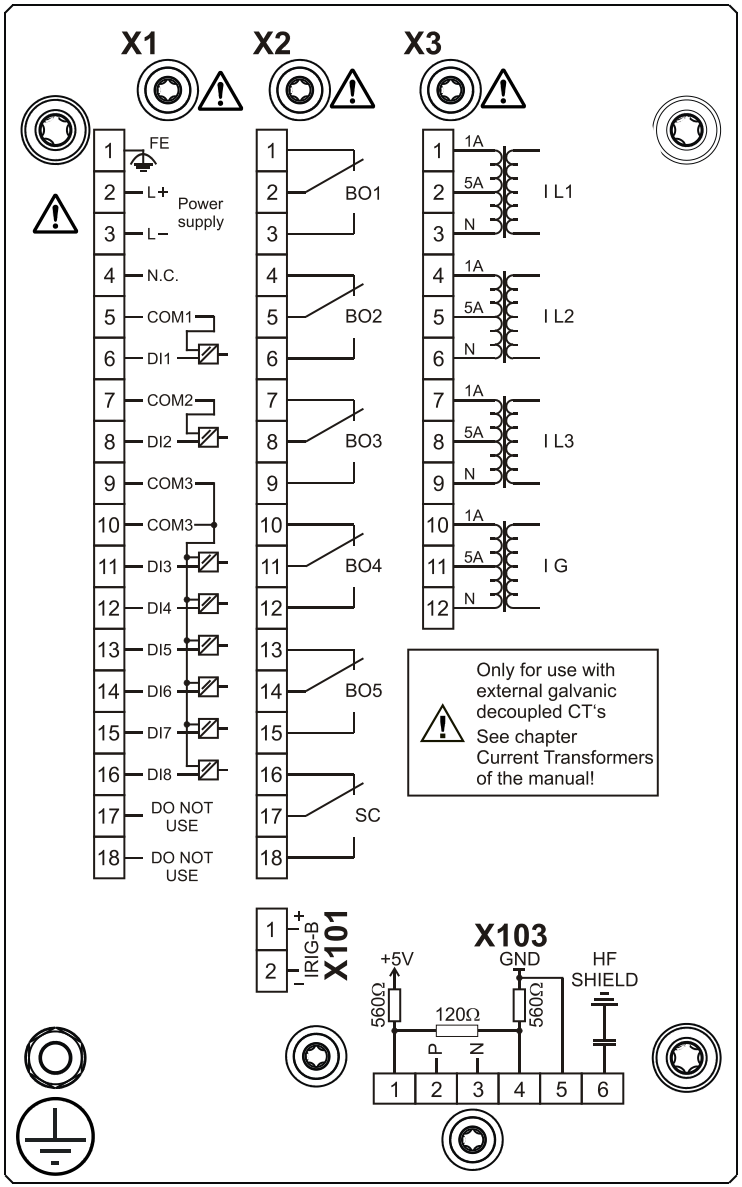
MRM4-2A0BAB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
1 +
2 –
IRIG-B
X103

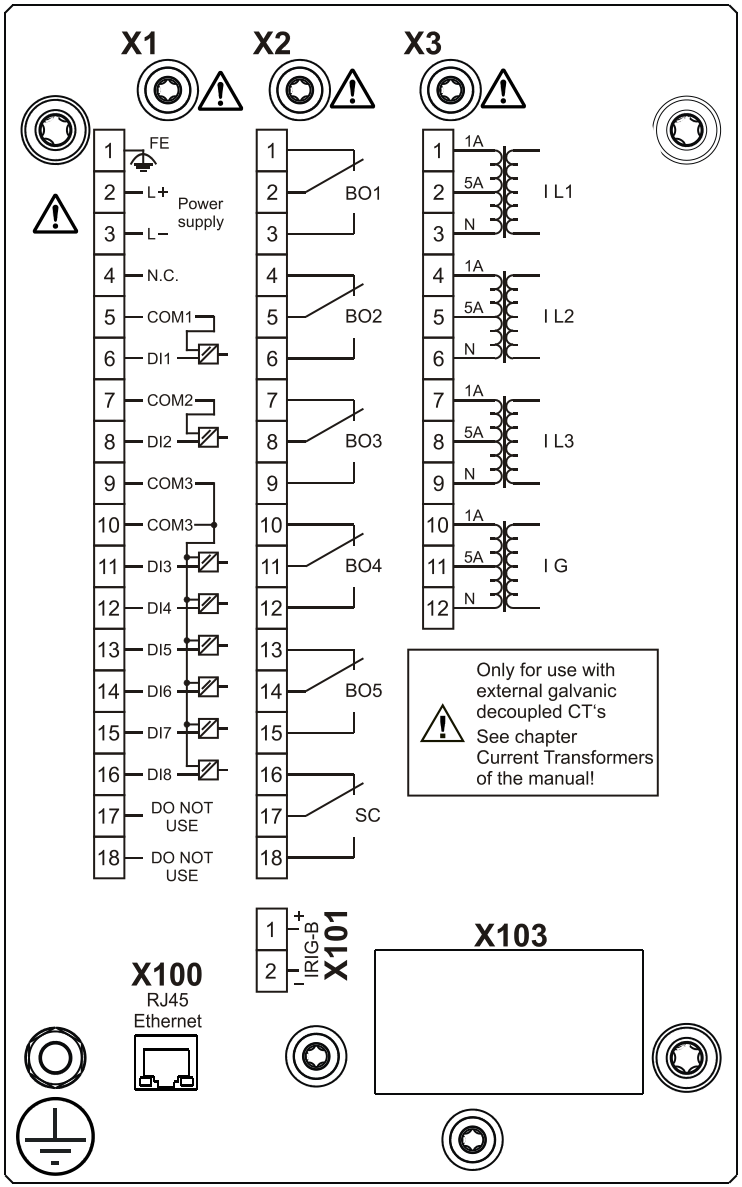
MRM4-2A0BBA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
+
–
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

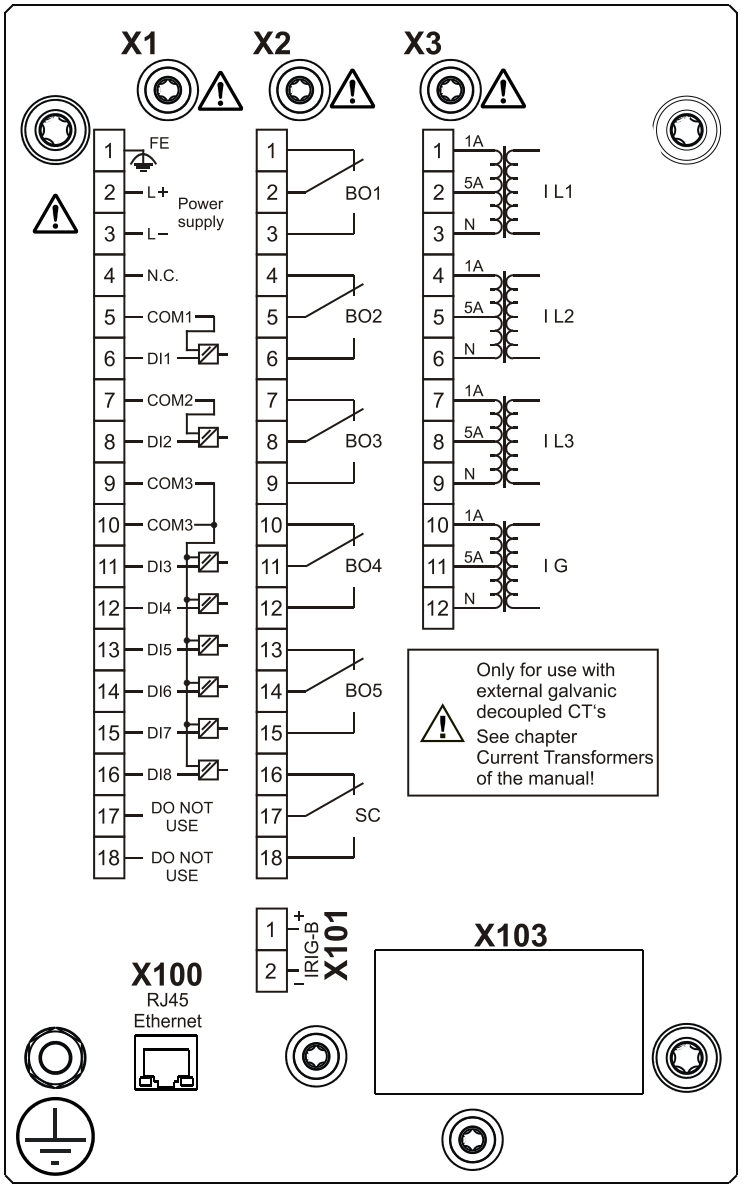
MRM4-2A0BBB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
+
–
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

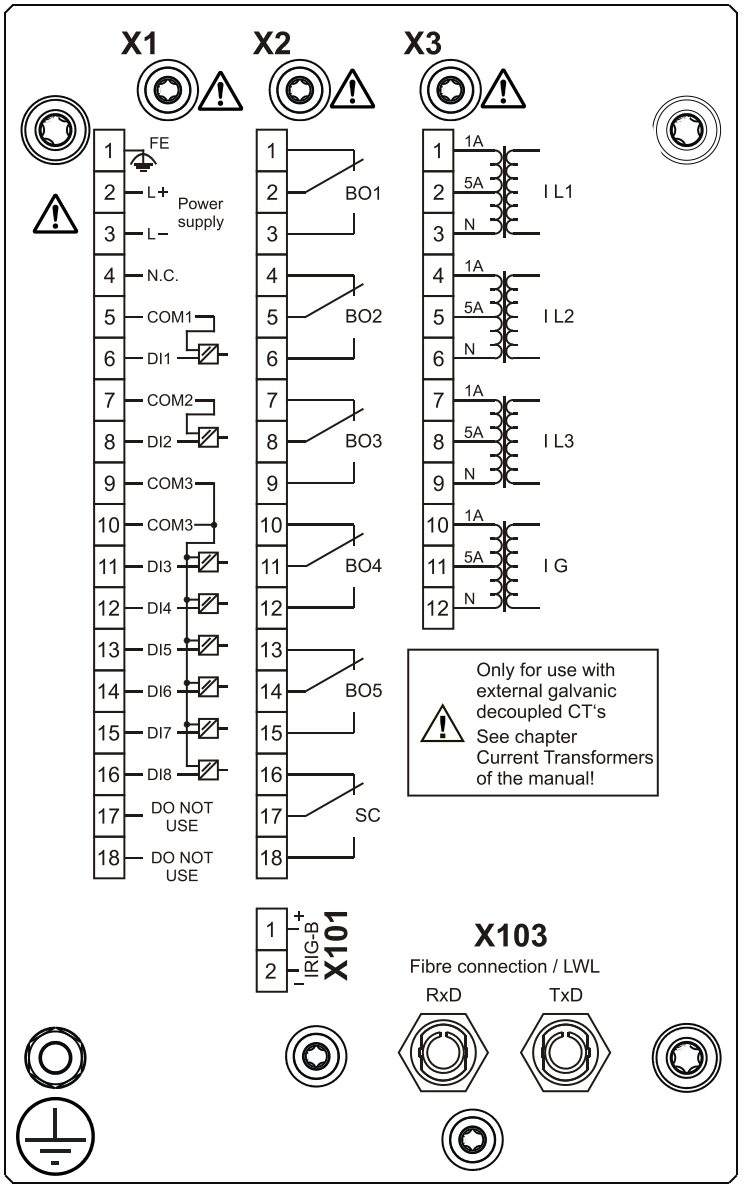
MRM4-2A0BCA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X101
IRIG-B
+
–
X103

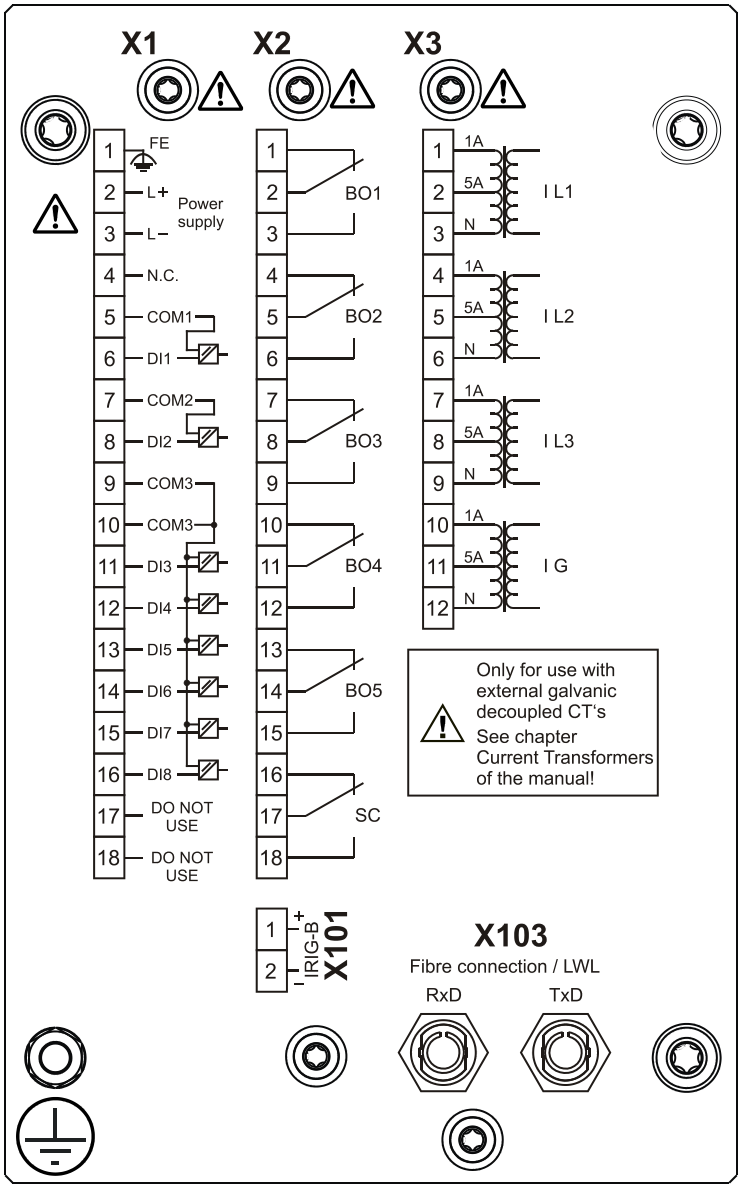
MRM4-2A0BCB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X101
IRIG-B
+
–
X103

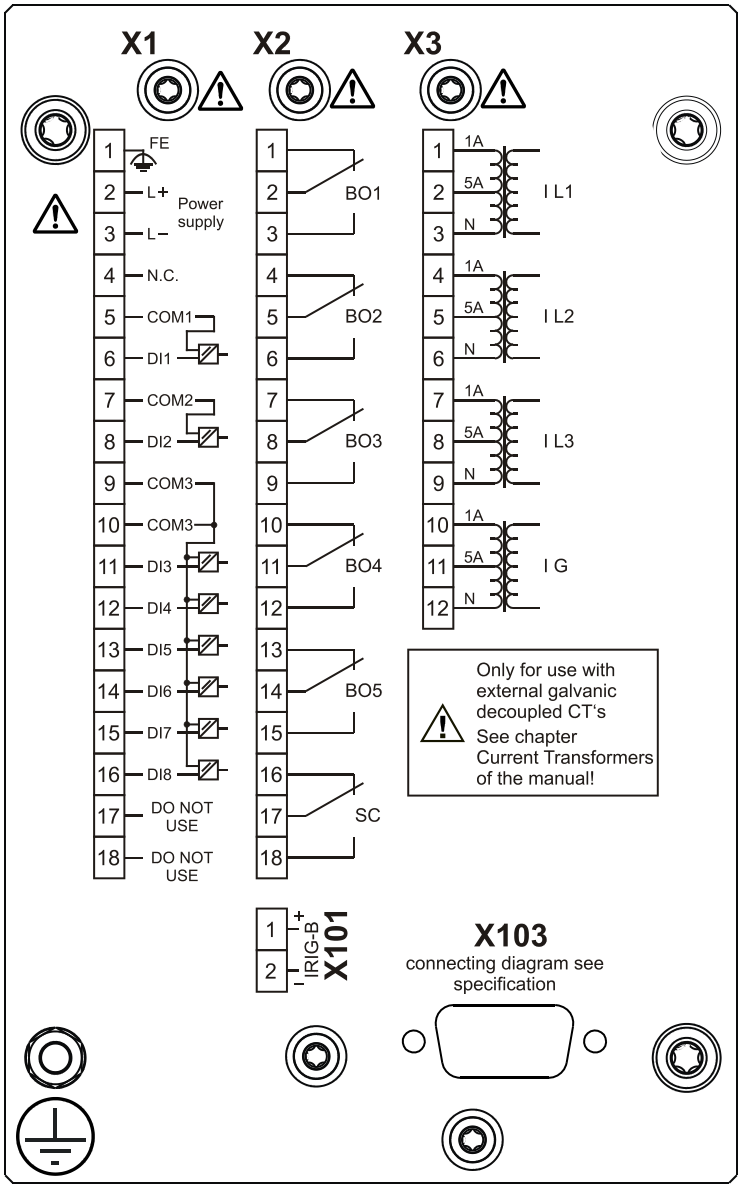
MRM4-2A0BDA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

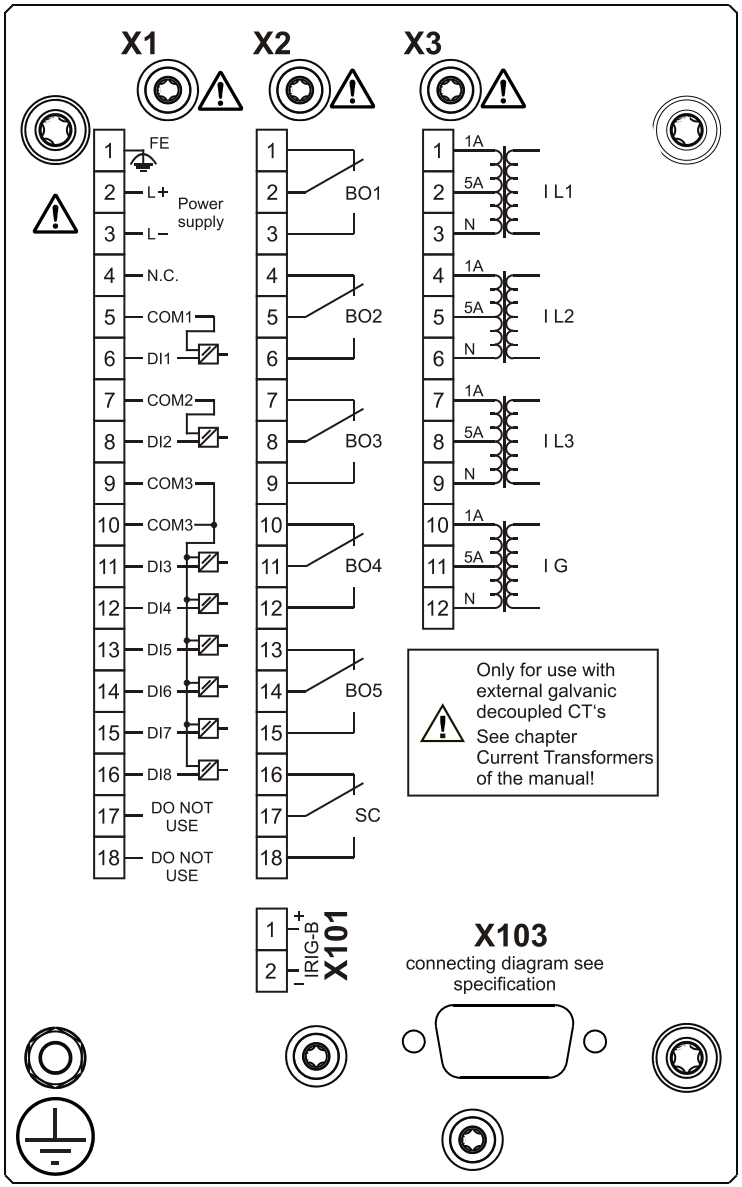
MRM4-2A0BDB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2
3
4 BO2
5
6
7 BO3
8
9
10 BO4
11
12
13 BO5
14
15
16 SC
17
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
+
–
X103
Fibre connection / LWL
RxD
TxD

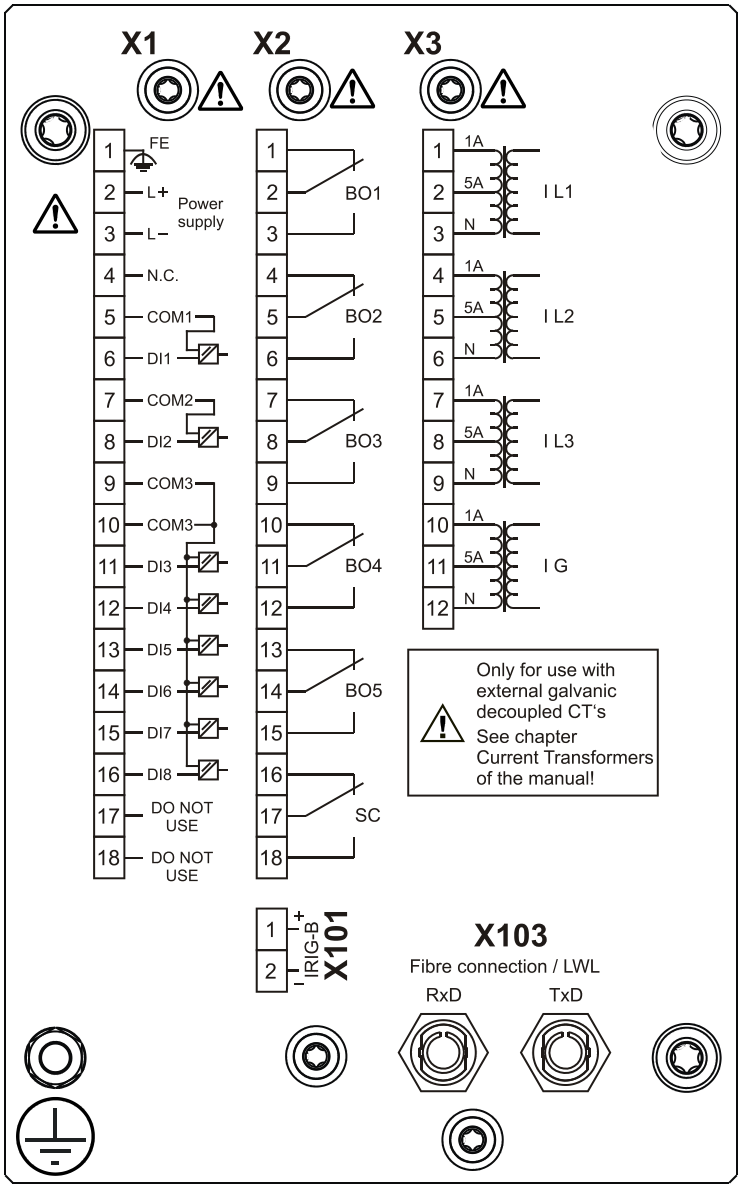
MRM4-2A0BEA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
X103
connecting diagram see specification

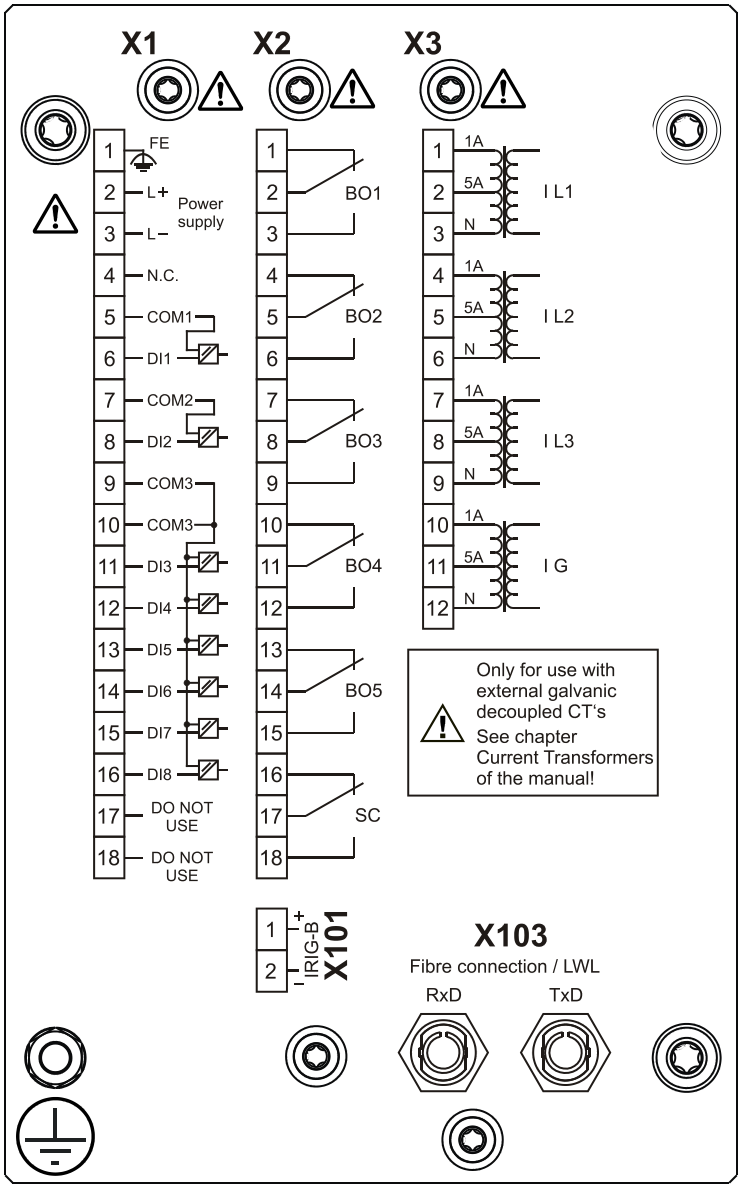
MRM4-2A0BEB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3 BO1
4 BO2
5 BO2
6 BO2
7 BO3
8 BO3
9 BO3
10 BO4
11 BO4
12 BO4
13 BO5
14 BO5
15 BO5
16 SC
17 SC
18 SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
+
–
X103
connecting diagram see specification

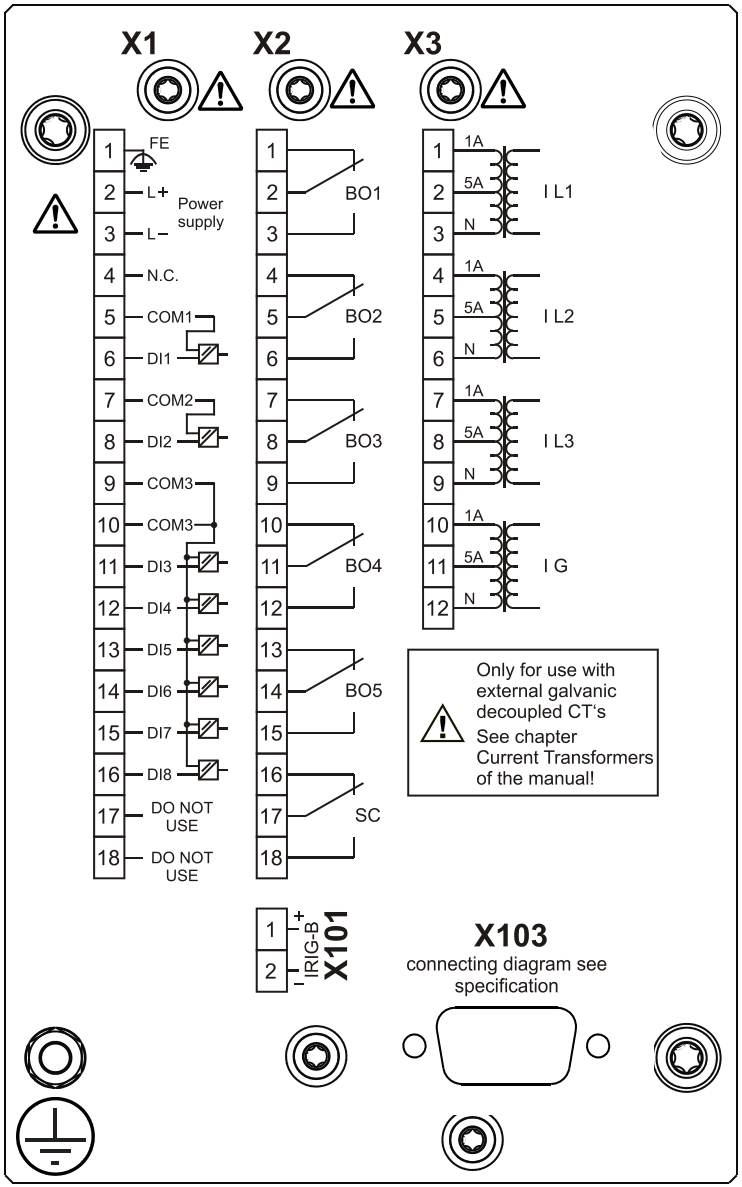
MRM4-2A0BFA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3 BO1
4 BO2
5 BO2
6 BO2
7 BO3
8 BO3
9 BO3
10 BO4
11 BO4
12 BO4
13 BO5
14 BO5
15 BO5
16 SC
17 SC
18 SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
+
–
X103
Fibre connection / LWL
RxD
TxD

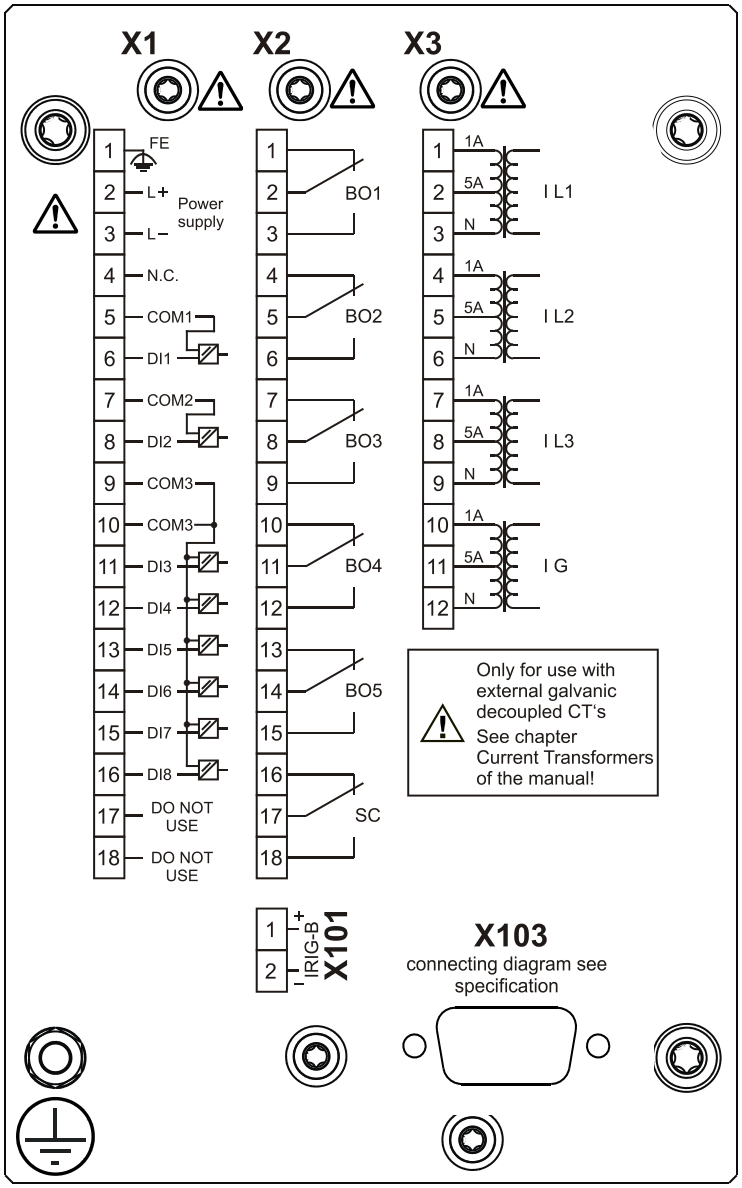
MRM4-2A0BFB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2
3
4 BO2
5
6
7 BO3
8
9
10 BO4
11
12
13 BO5
14
15
16 SC
17
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
+
–
X103
Fibre connection / LWL
RxD
TxD

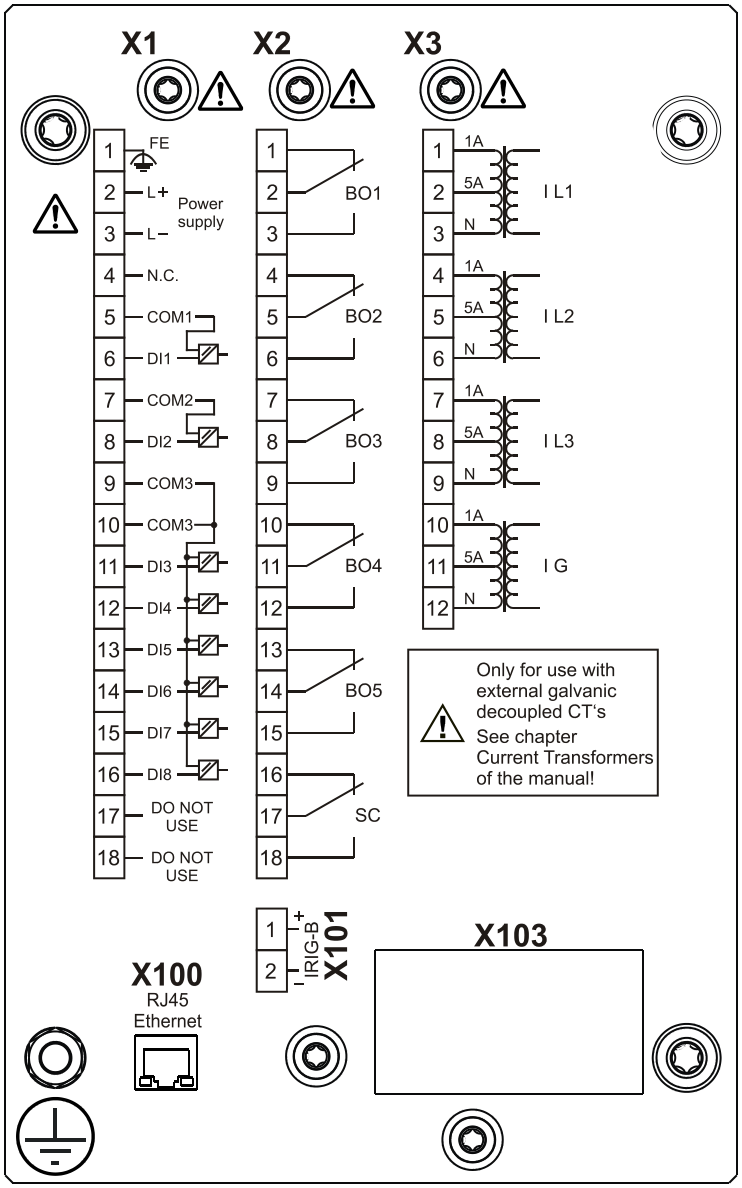
MRM4-2A0BGA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3 BO1
4 BO2
5 BO2
6 BO2
7 BO3
8 BO3
9 BO3
10 BO4
11 BO4
12 BO4
13 BO5
14 BO5
15 BO5
16 SC
17 SC
18 SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
1 +
2 –
IRIG-B
X101
X103
connecting diagram see specification

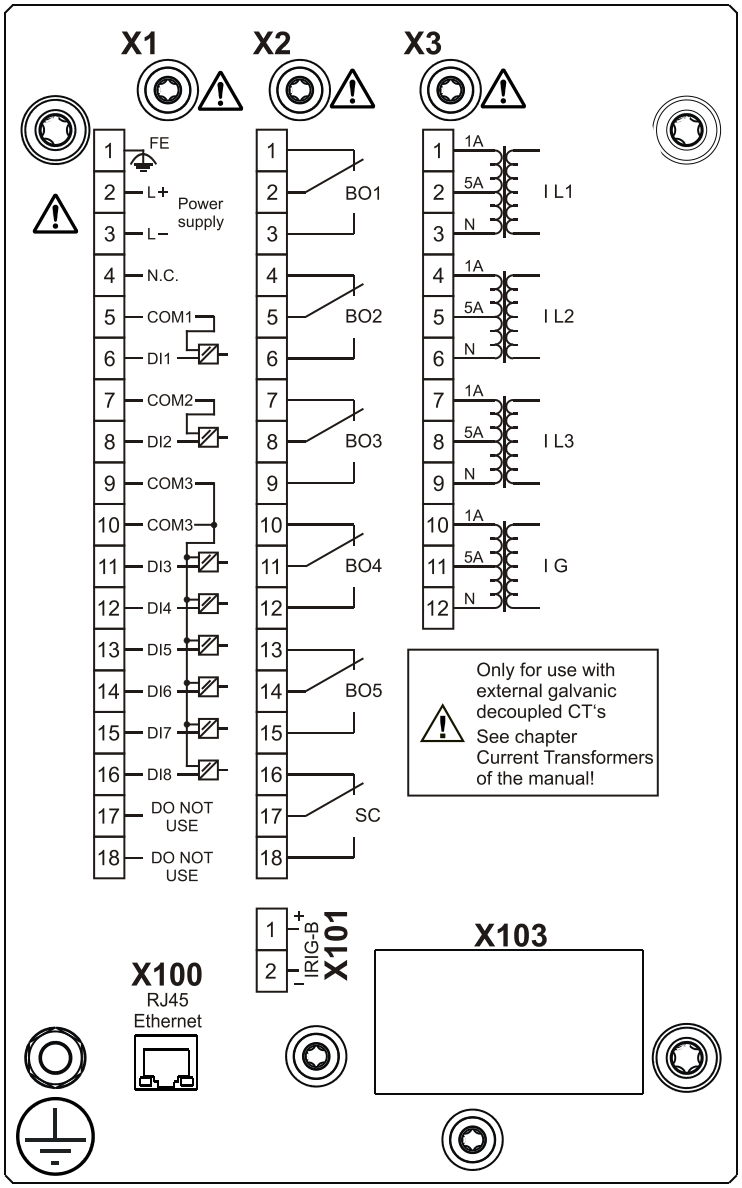
MRM4-2A0BGB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
X103
connecting diagram see specification

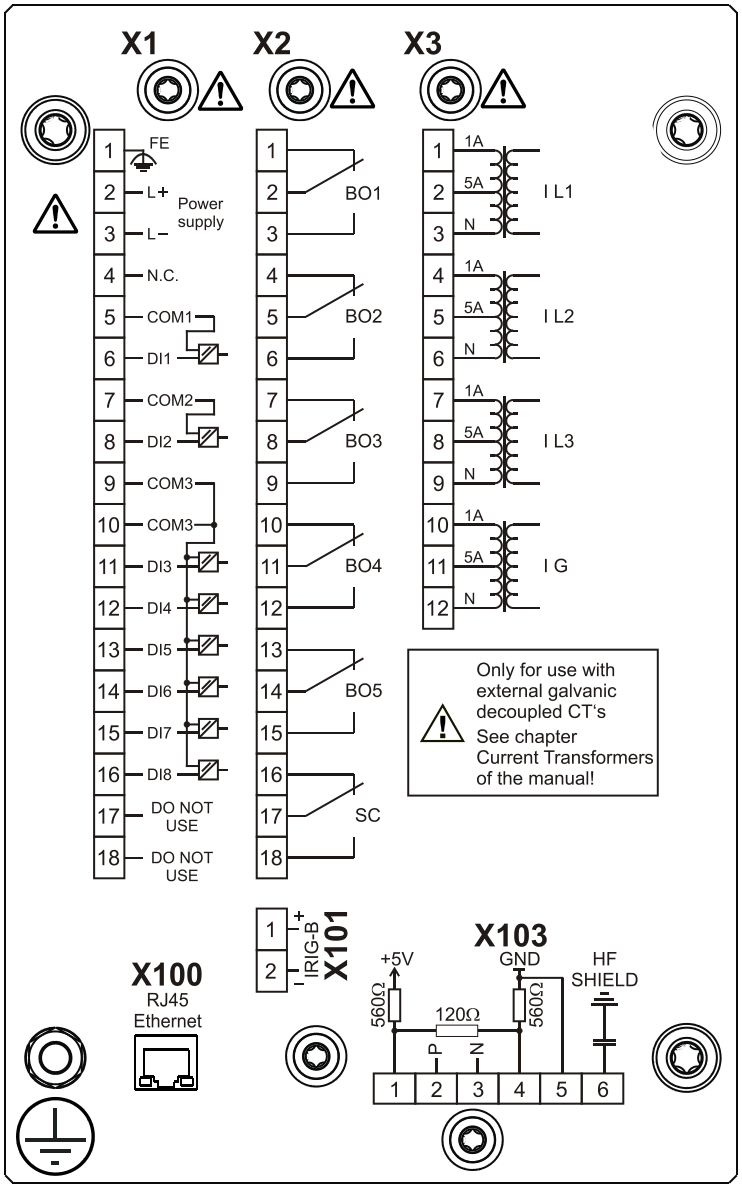
MRM4-2A0BHA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X101
IRIG-B
+
–
X103

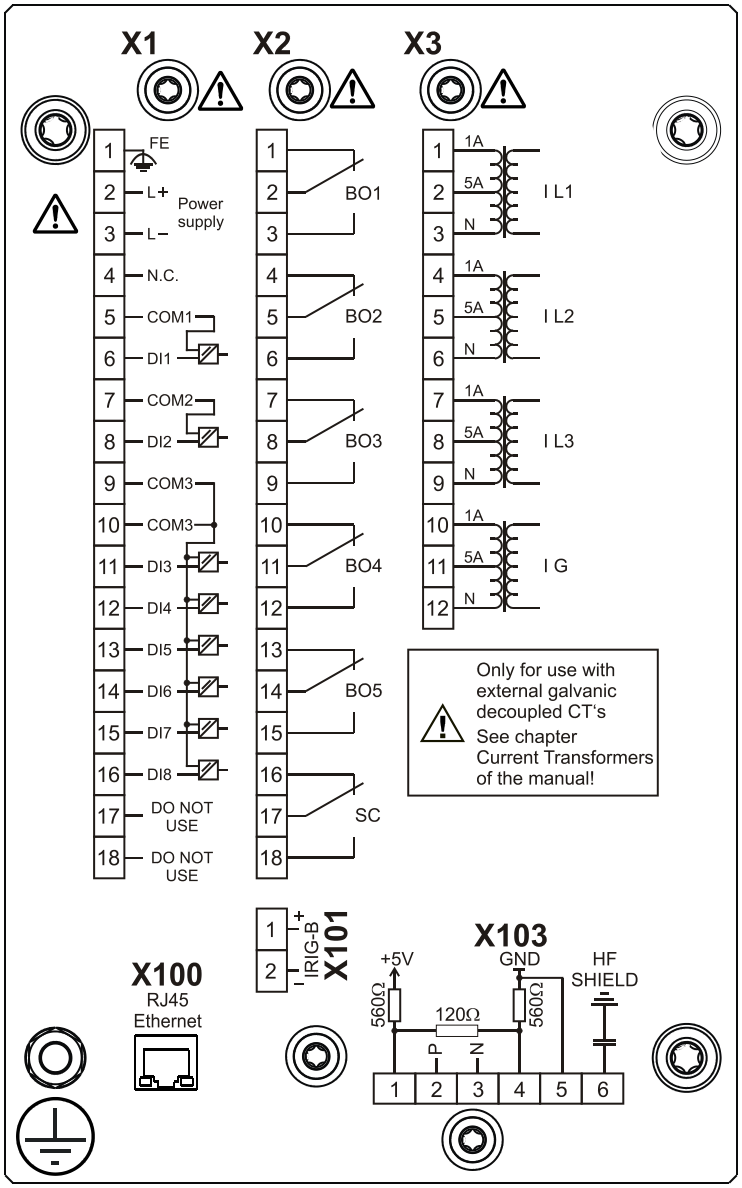
MRM4-2A0BHB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
1 +
2 –
IRIG-B
X101
X103

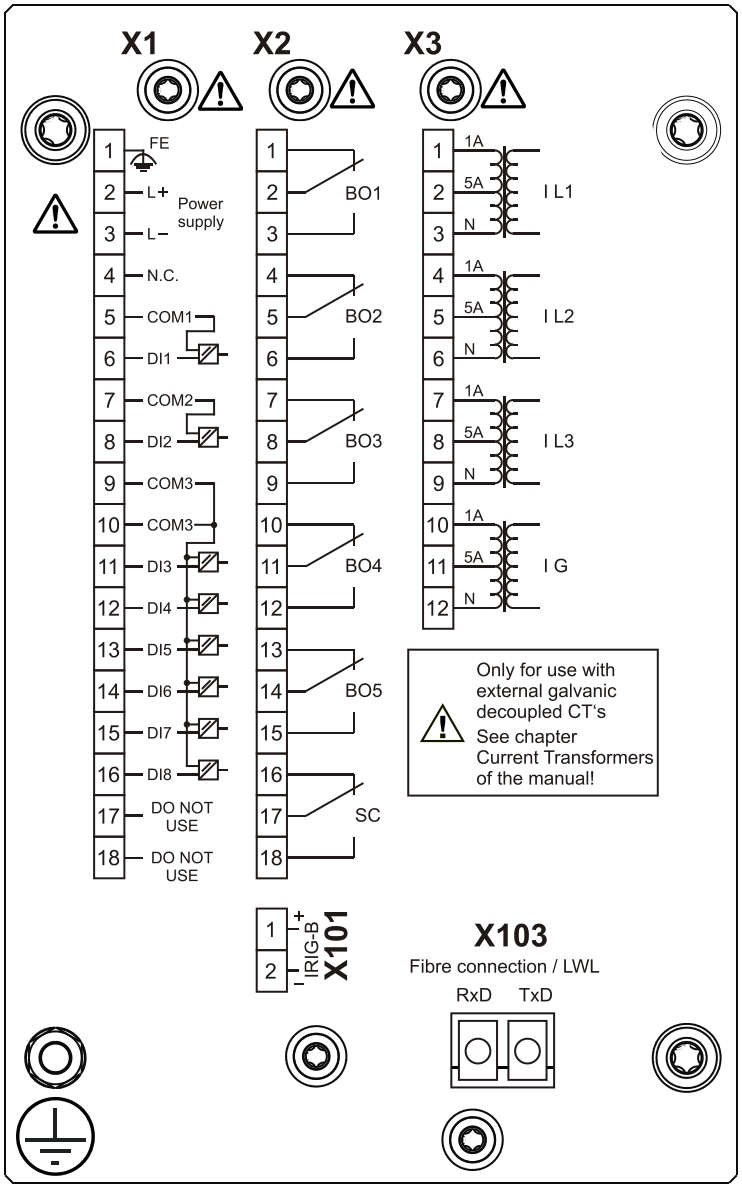
MRM4-2A0BIA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X101
IRIG-B
+
–
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

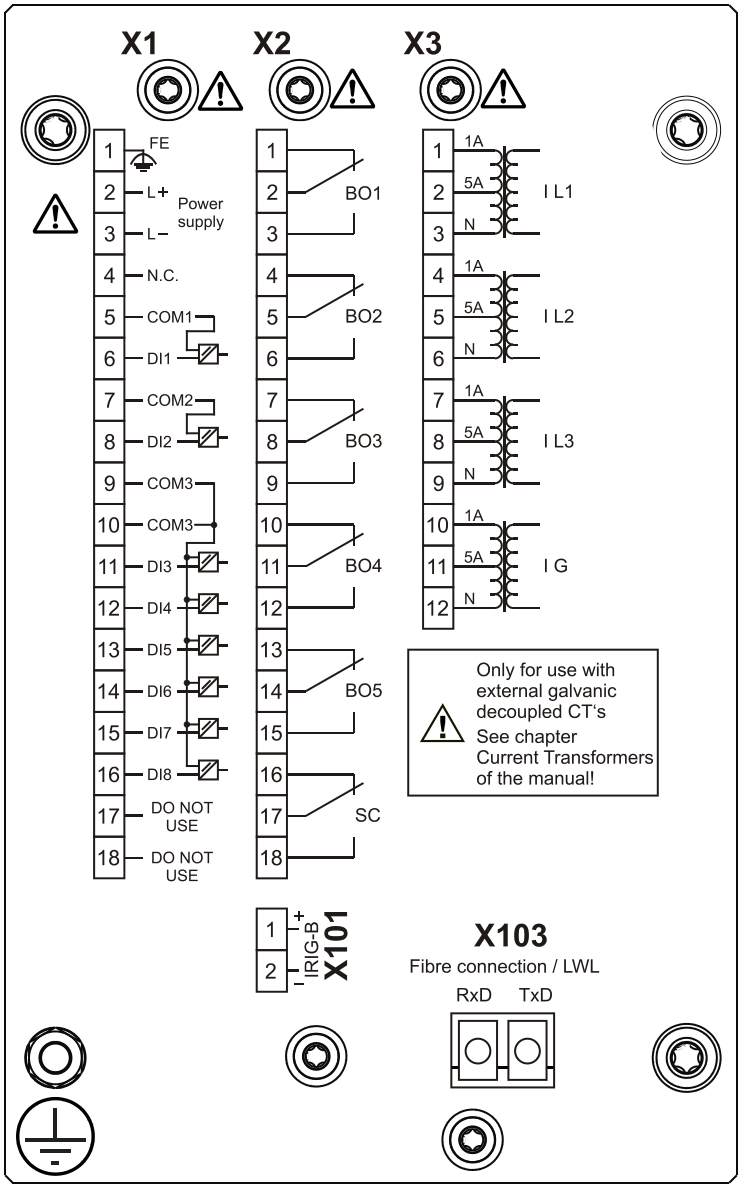
MRM4-2A0BIB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X101
IRIG-B
+
–
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

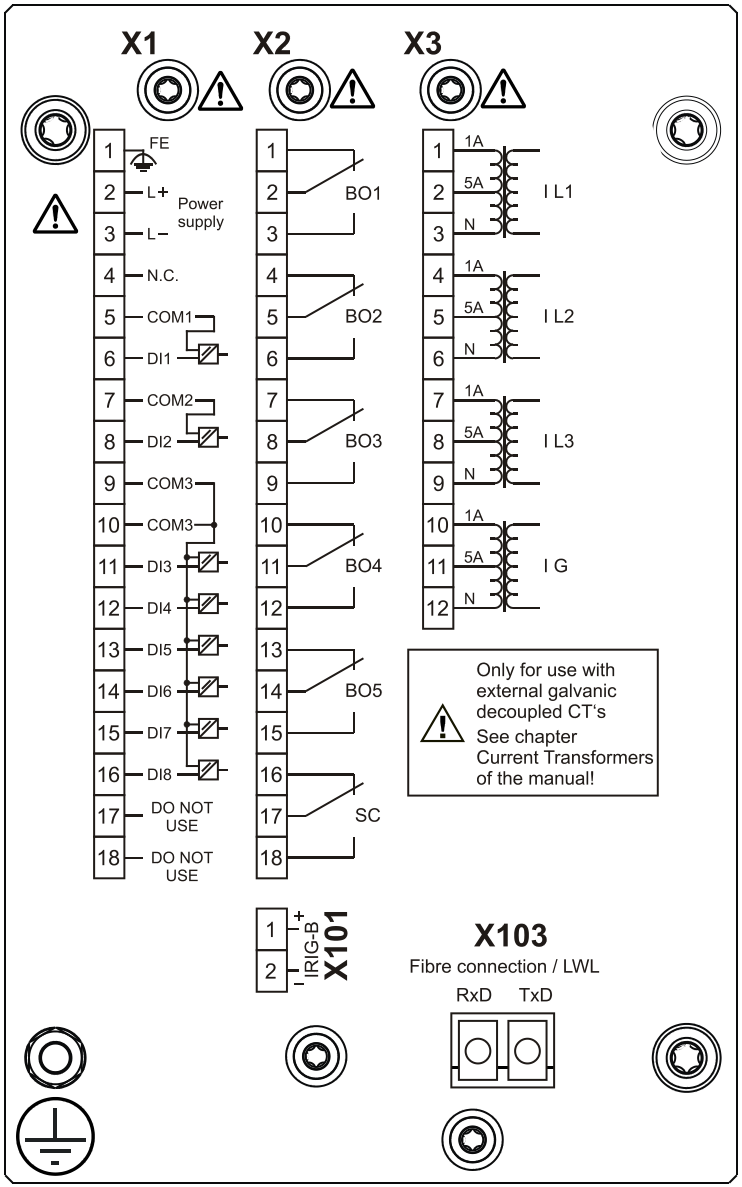
MRM4-2A0BKA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
1 +
2 –
IRIG-B
X101
X103
Fibre connection / LWL
RxD
TxD

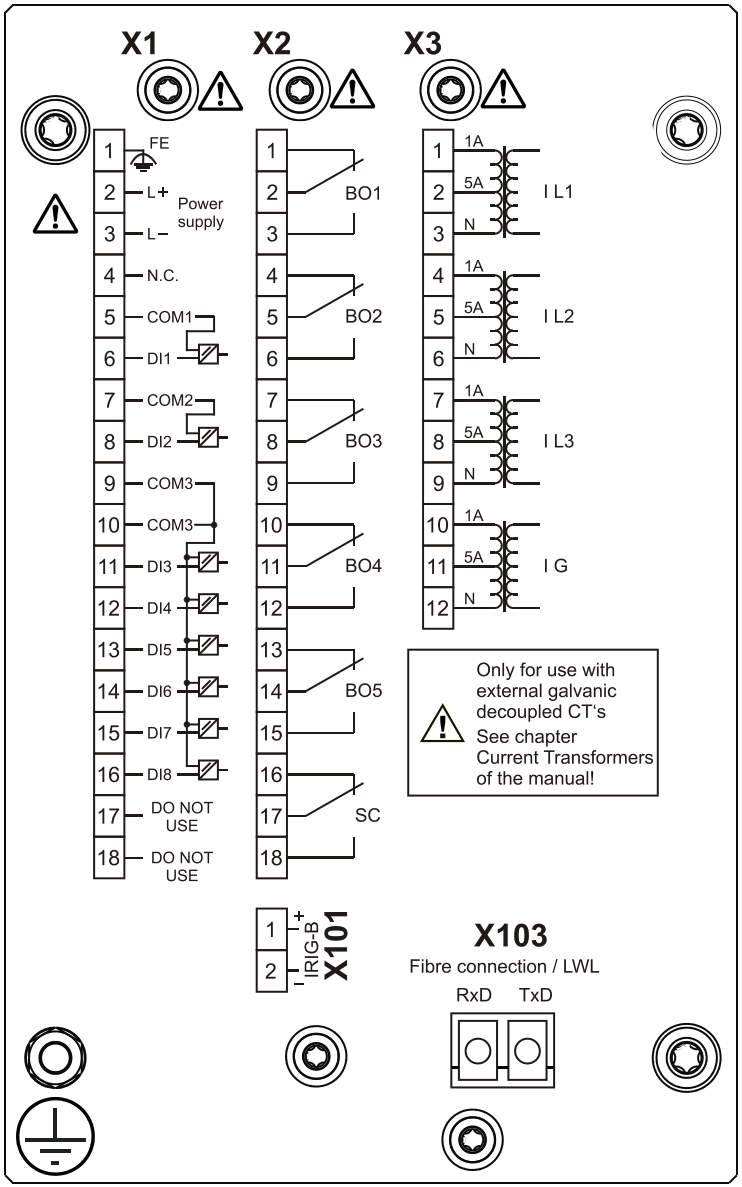
MRM4-2A0BKB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
1 +
2 –
IRIG-B
X101
X103
Fibre connection / LWL
RxD
TxD

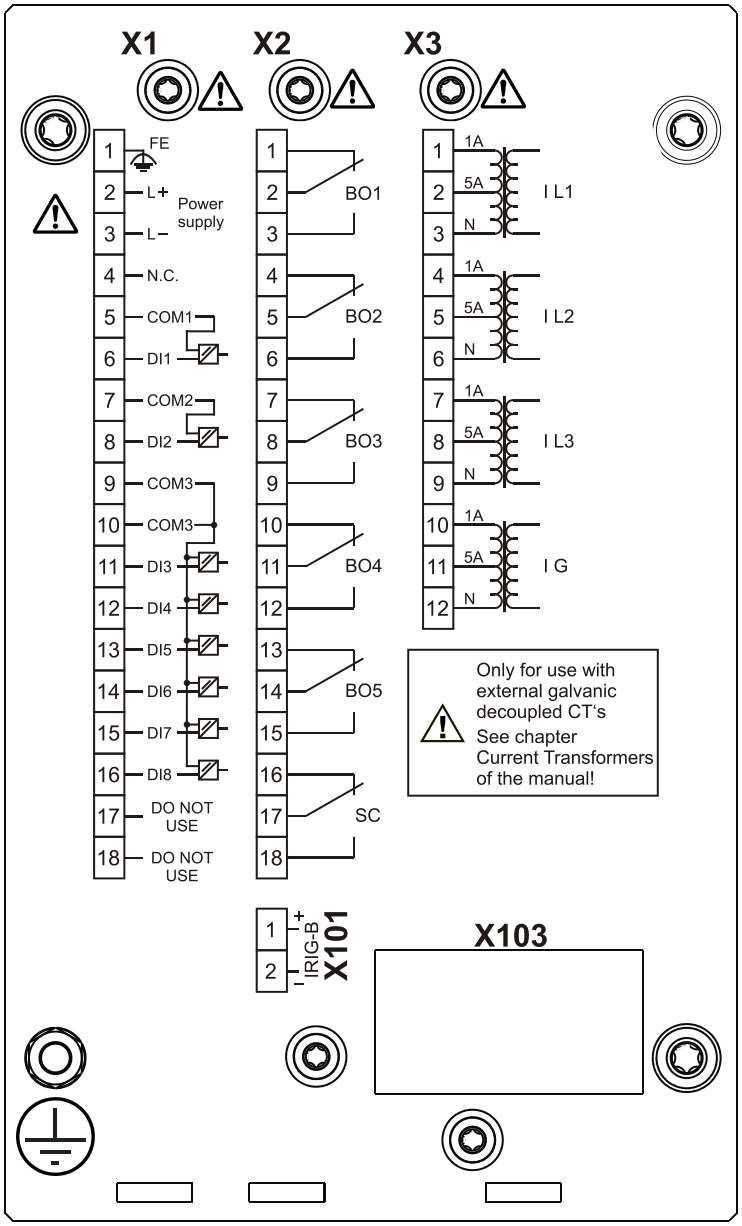
MRM4-2A0BLA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
1 +
2 –
IRIG-B
X101
X103
Fibre connection / LWL
RxD
TxD

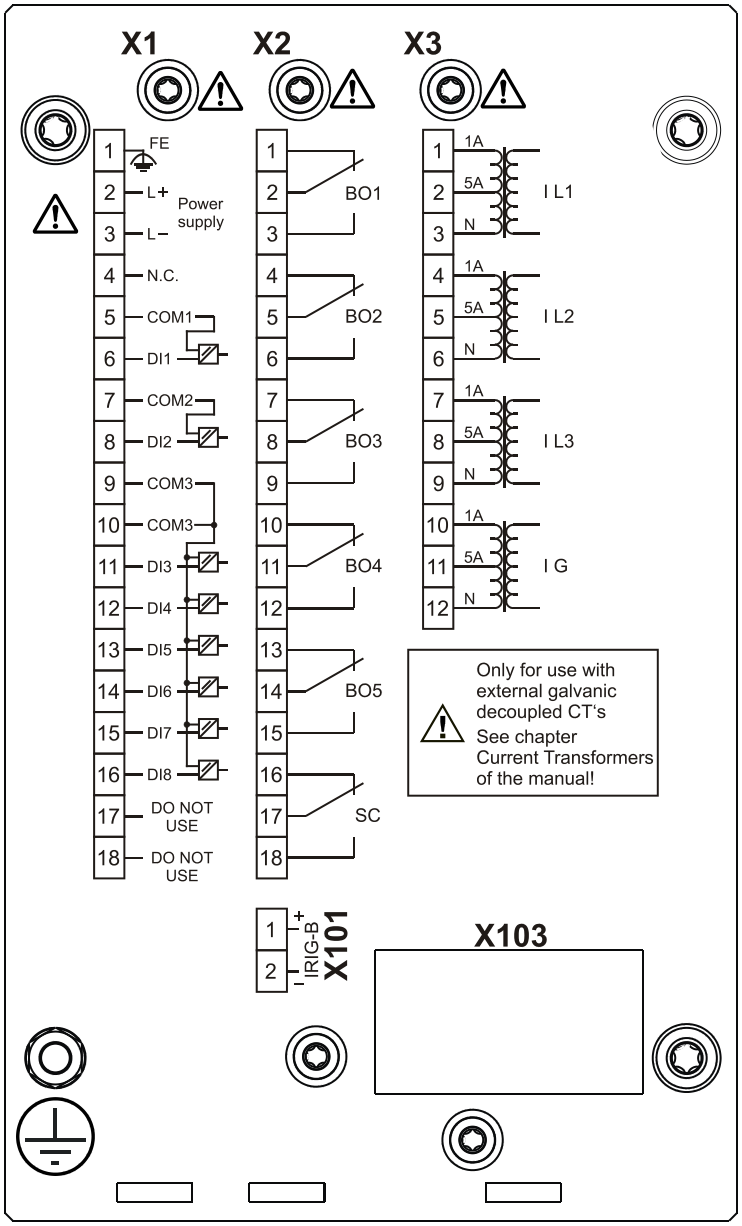
MRM4-2A0BLB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
1 +
2 –
IRIG-B
X101
X103
Fibre connection / LWL
RxD
TxD

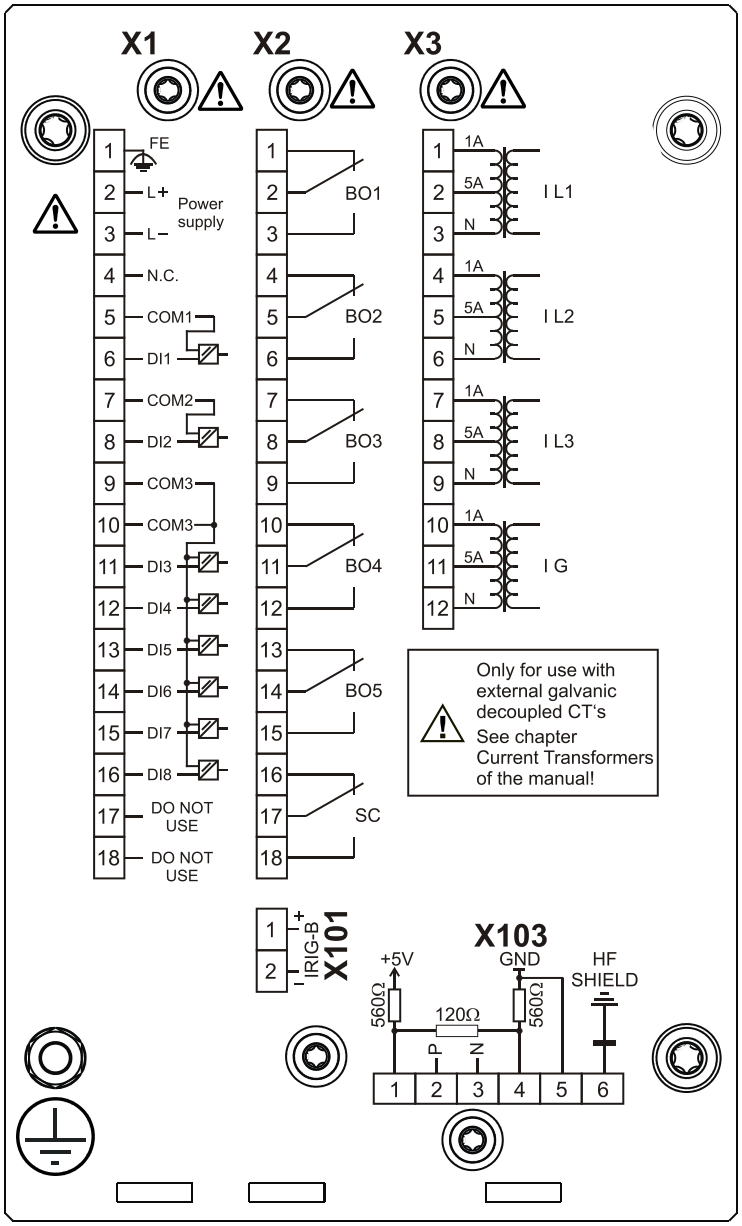
MRM4-2A0HAA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
+
–
X103

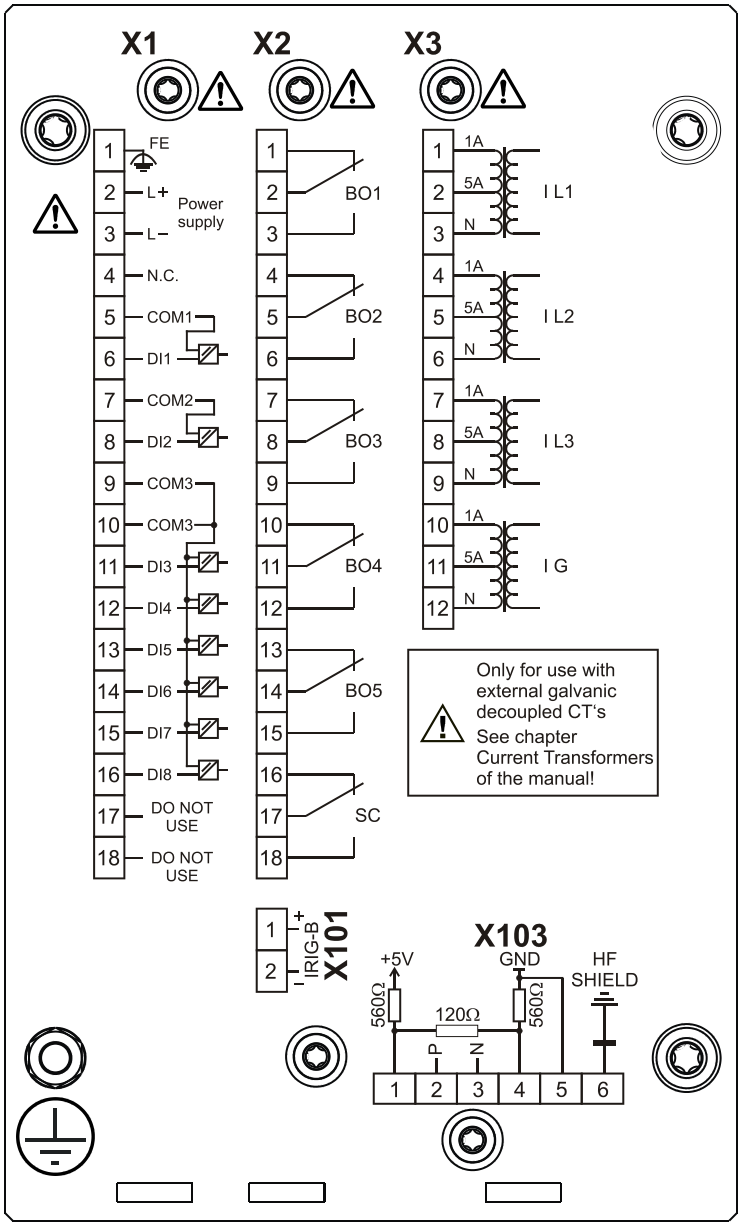
MRM4-2A0HAB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
+
–
X103

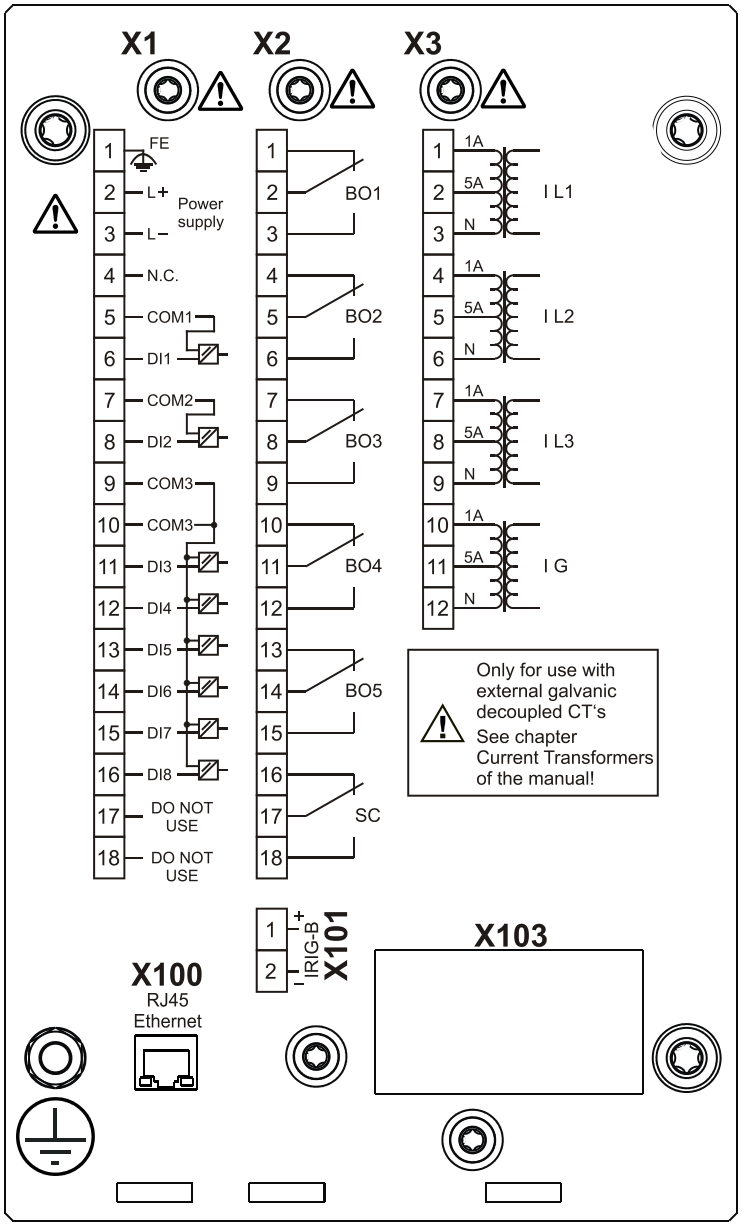
MRM4-2A0HBA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

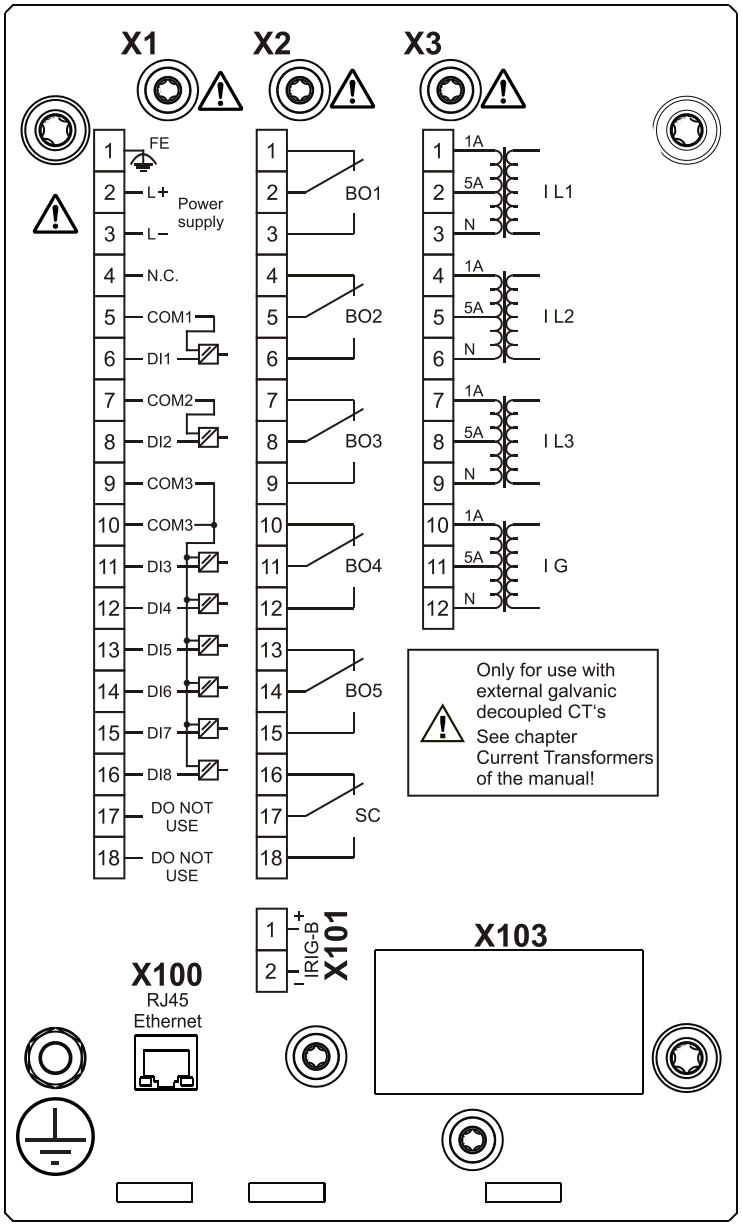
MRM4-2A0HBB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

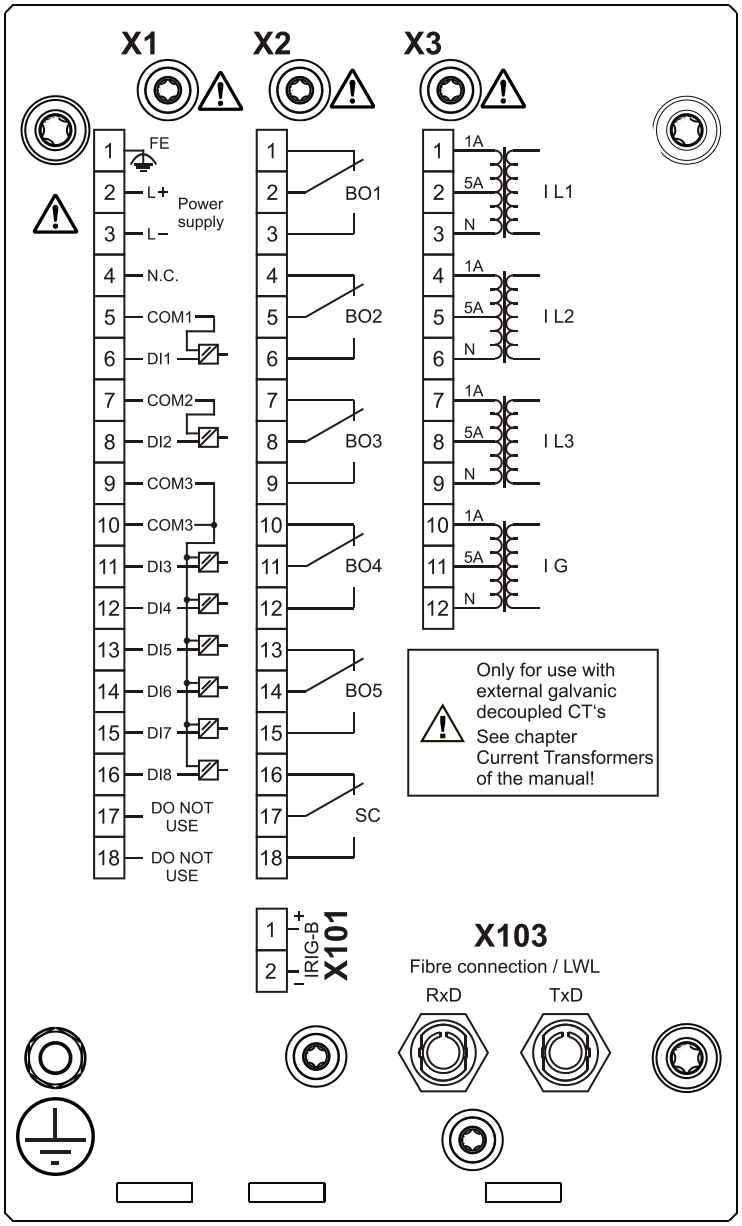
MRM4-2A0HCA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
1 +
2 –
IRIG-B
X101
X103

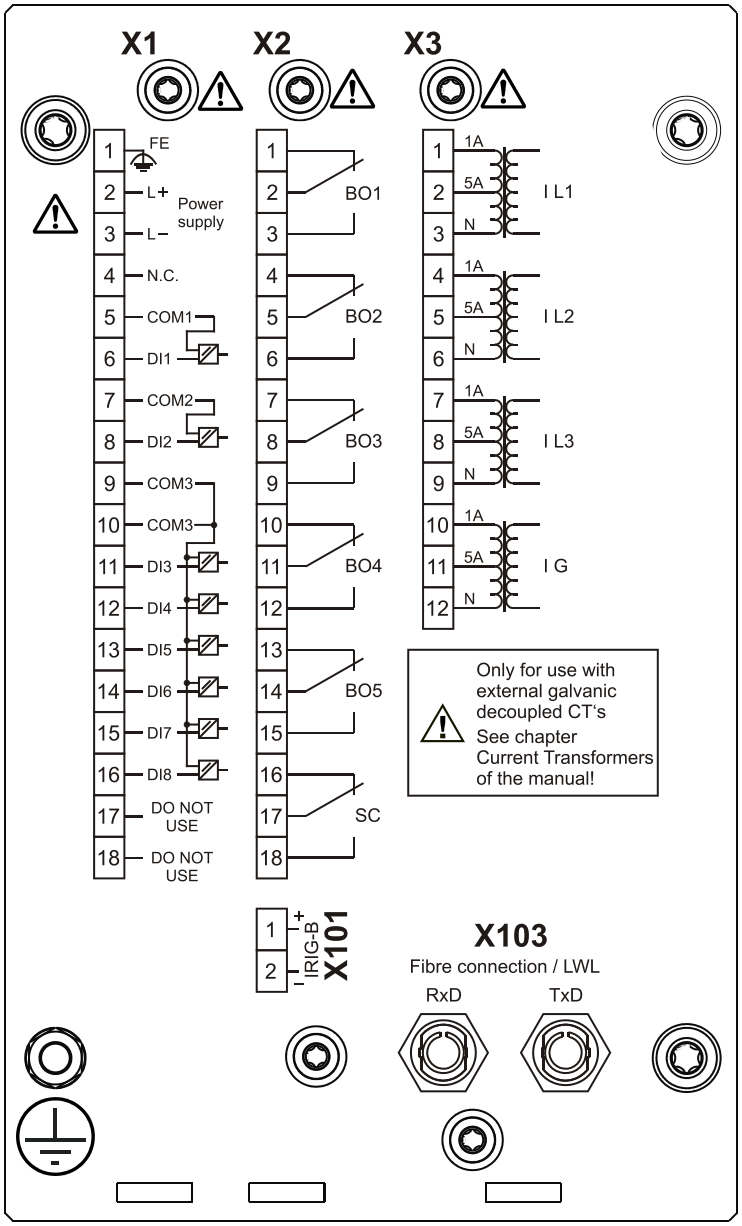
MRM4-2A0HCB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X101
IRIG-B
+
–
X103

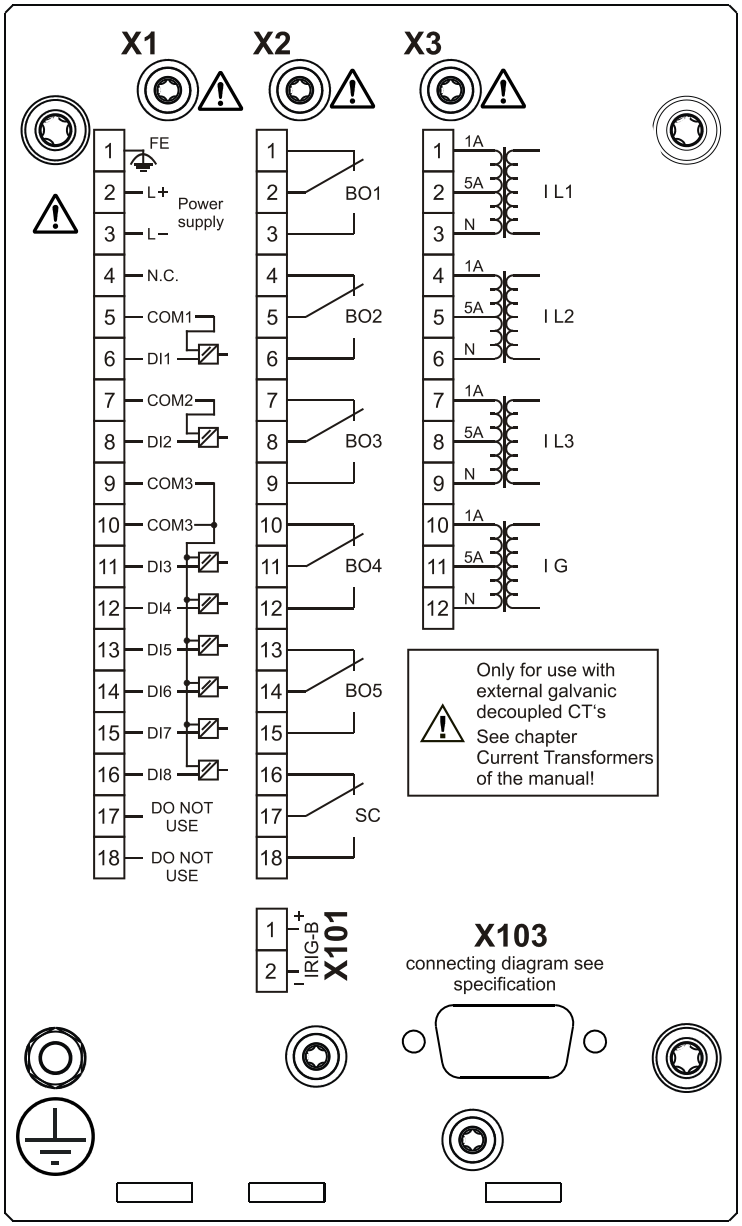
MRM4-2A0HDA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

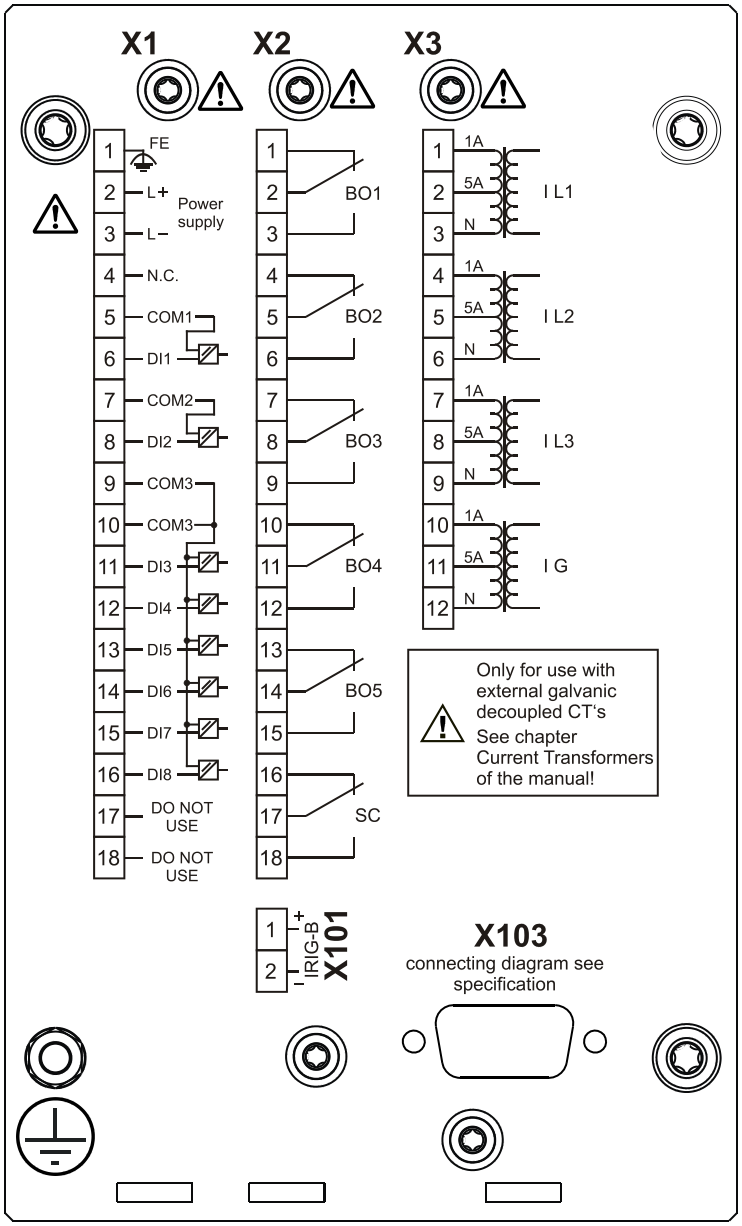
MRM4-2A0HDB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

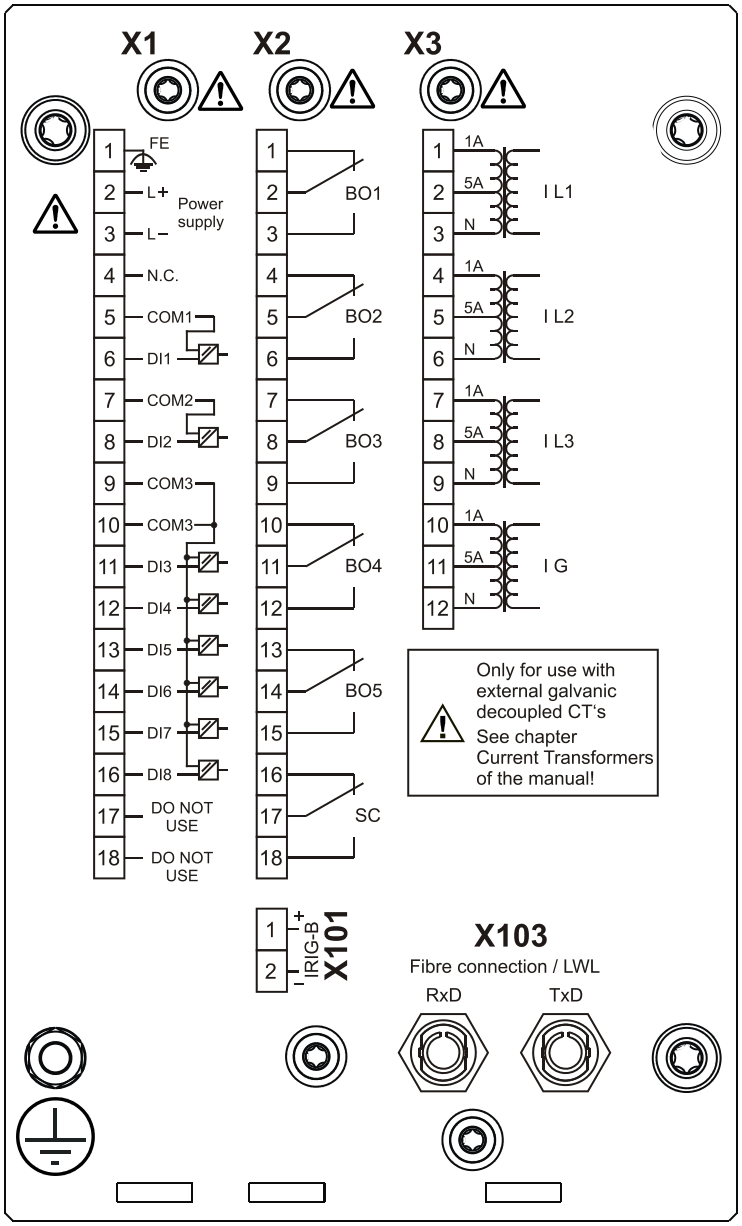
MRM4-2A0HEA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT‘s
See chapter Current Transformers of the manual!
1 +
2 –
IRIG-B
X101
X103
connecting diagram see specification

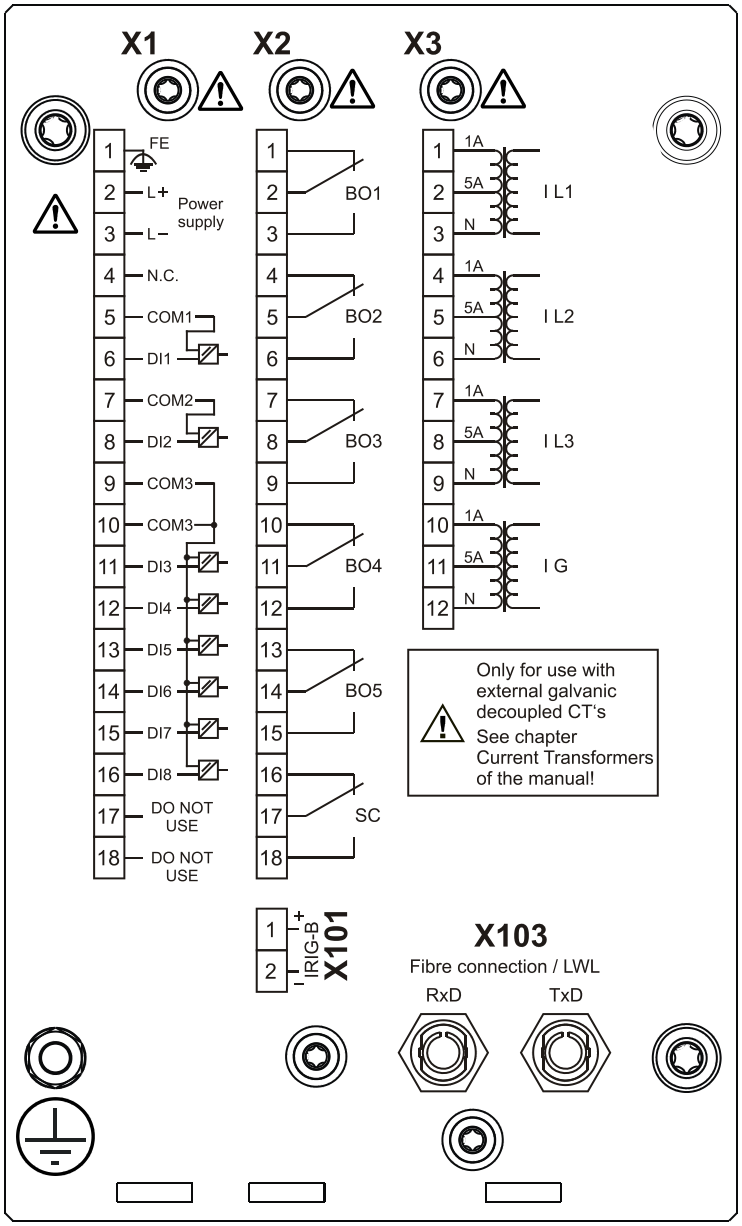
MRM4-2A0HEB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
+
–
X103
connecting diagram see specification

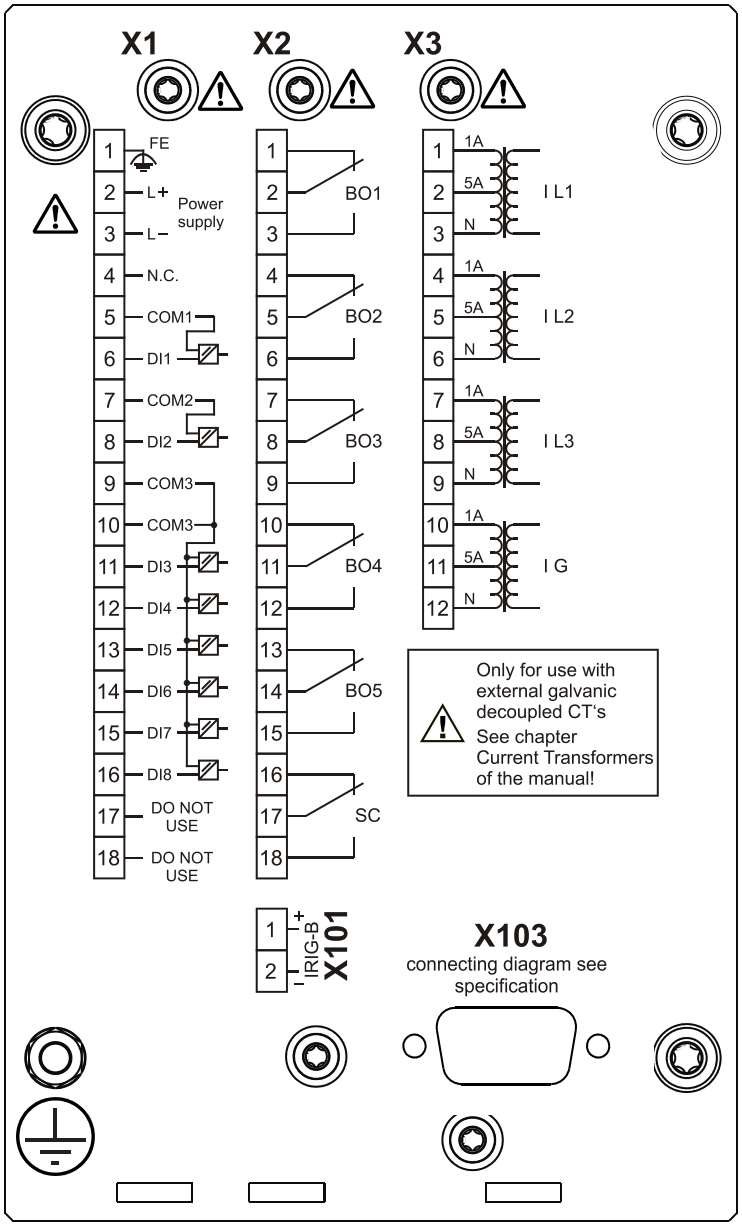
MRM4-2A0HFA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2
3
4 BO2
5
6
7 BO3
8
9
10 BO4
11
12
13 BO5
14
15
16 SC
17
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
1 +
2 –
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

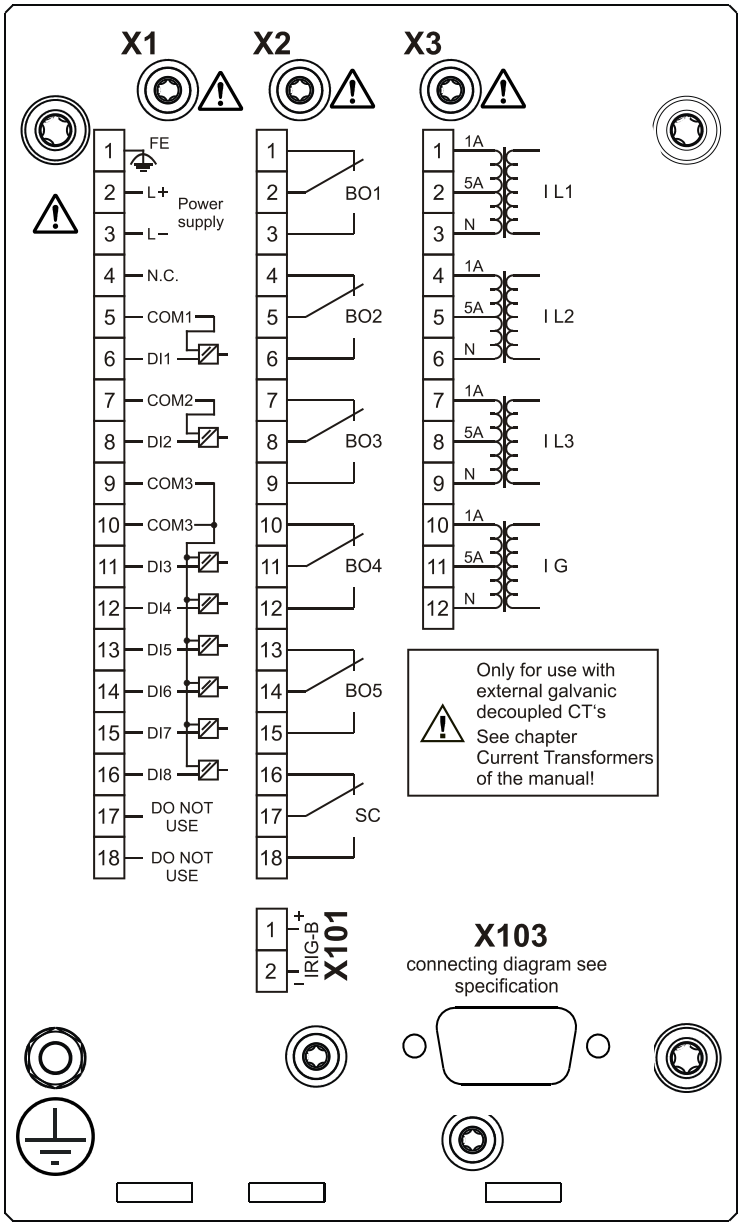
MRM4-2A0HFB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

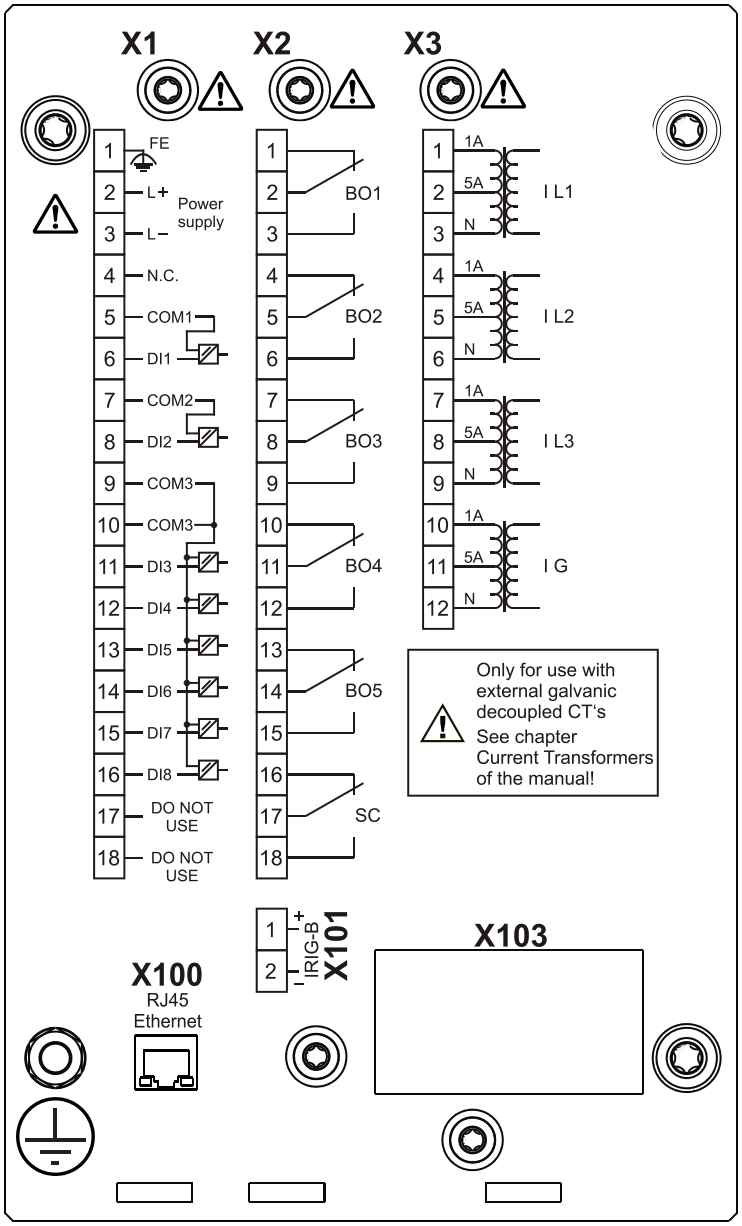
MRM4-2A0HGA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
1 +
2 –
IRIG-B
X101
X103
connecting diagram see specification

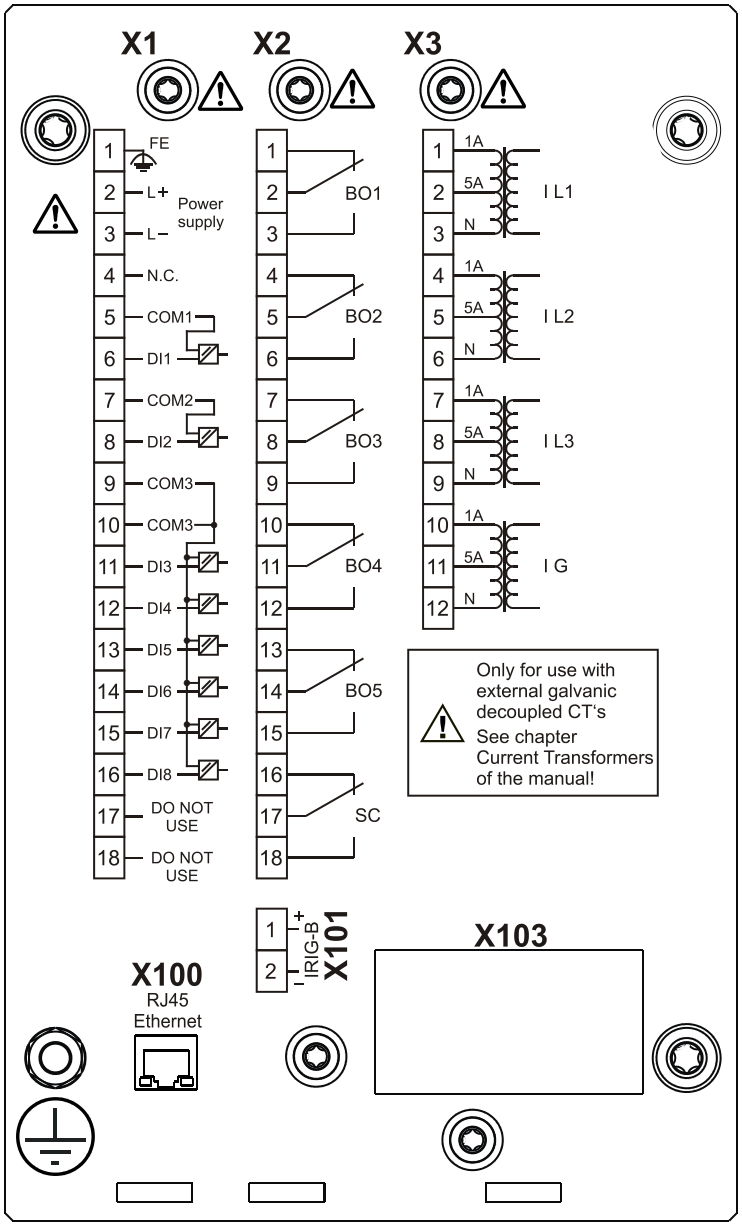
MRM4-2A0HGB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
1 +
2 –
IRIG-B
X101
X103
connecting diagram see specification

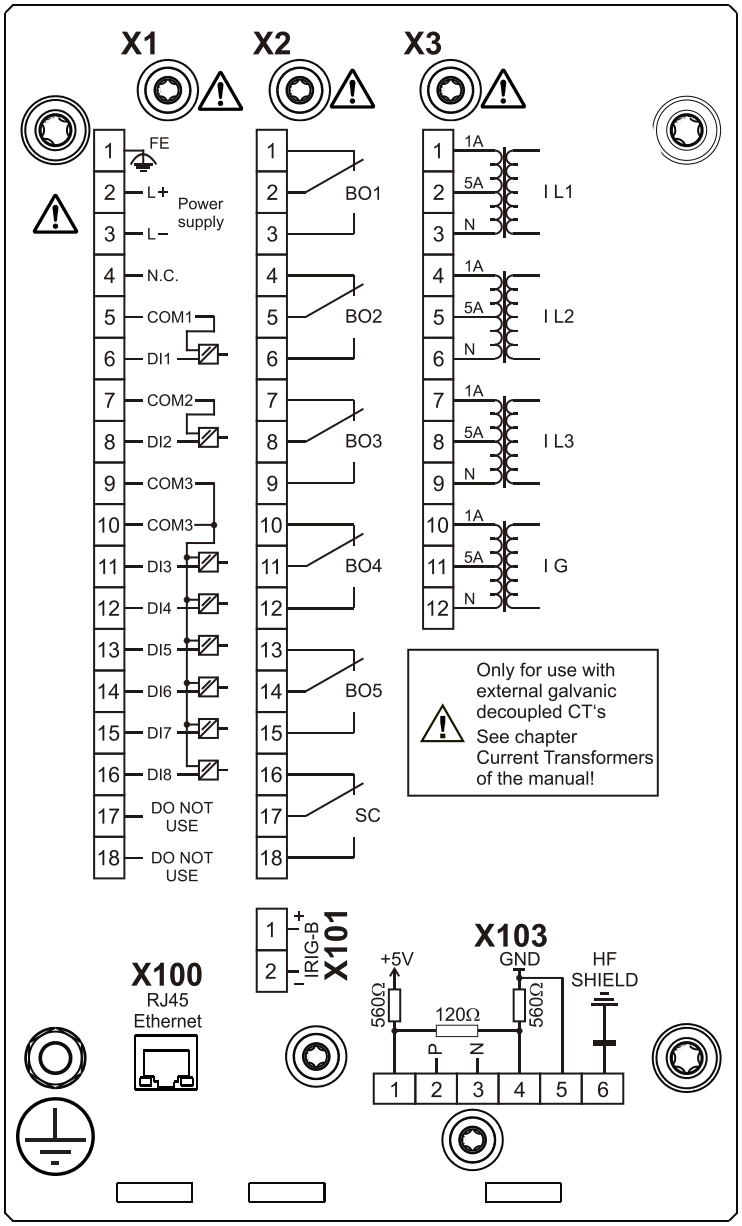
MRM4-2A0HHA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO2
3 BO3
4 BO4
5 BO5
6 SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X101
IRIG-B
+
–
X103

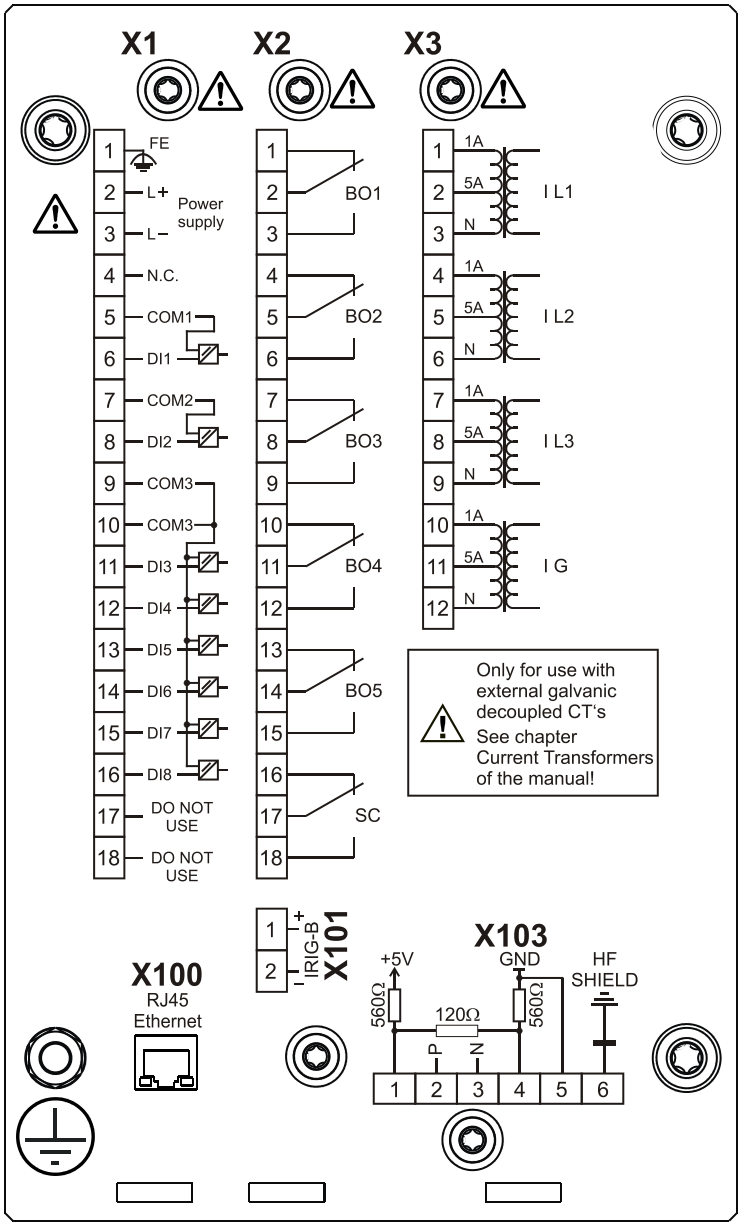
MRM4-2A0HHB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO2
3 BO3
4 BO4
5 BO5
6 SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X101
IRIG-B
X103

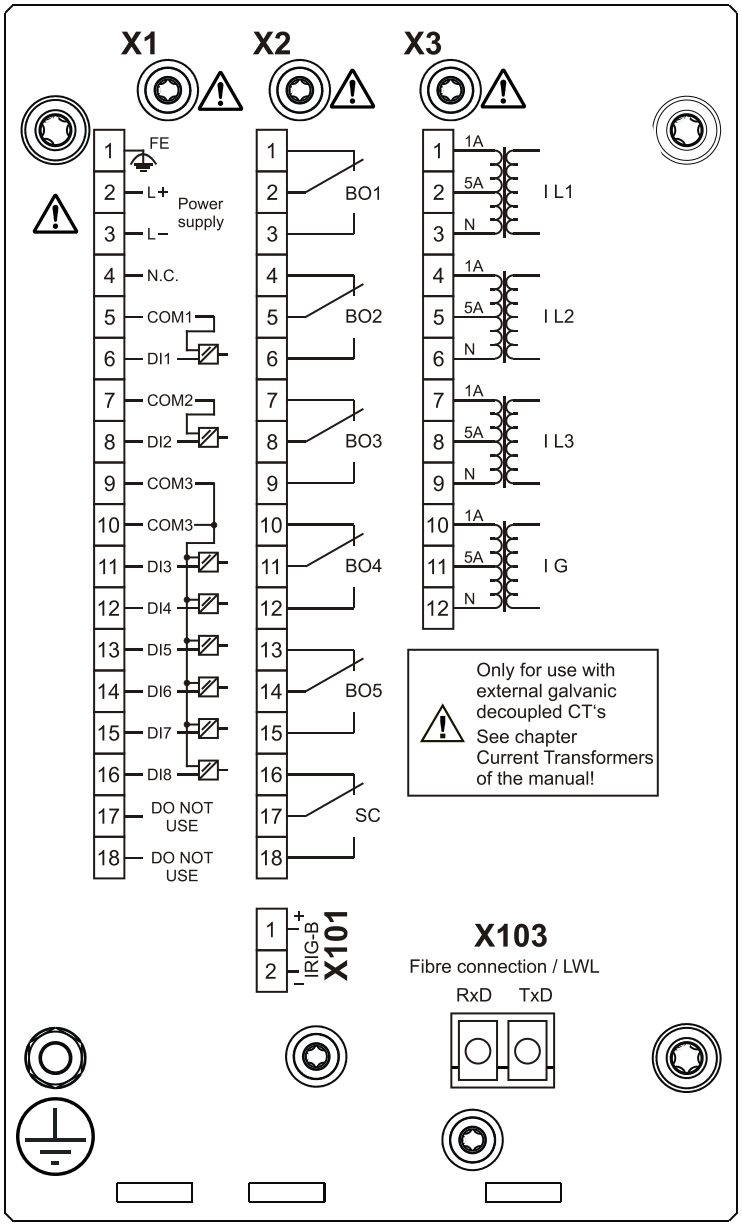
MRM4-2A0HIA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X101
IRIG-B
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

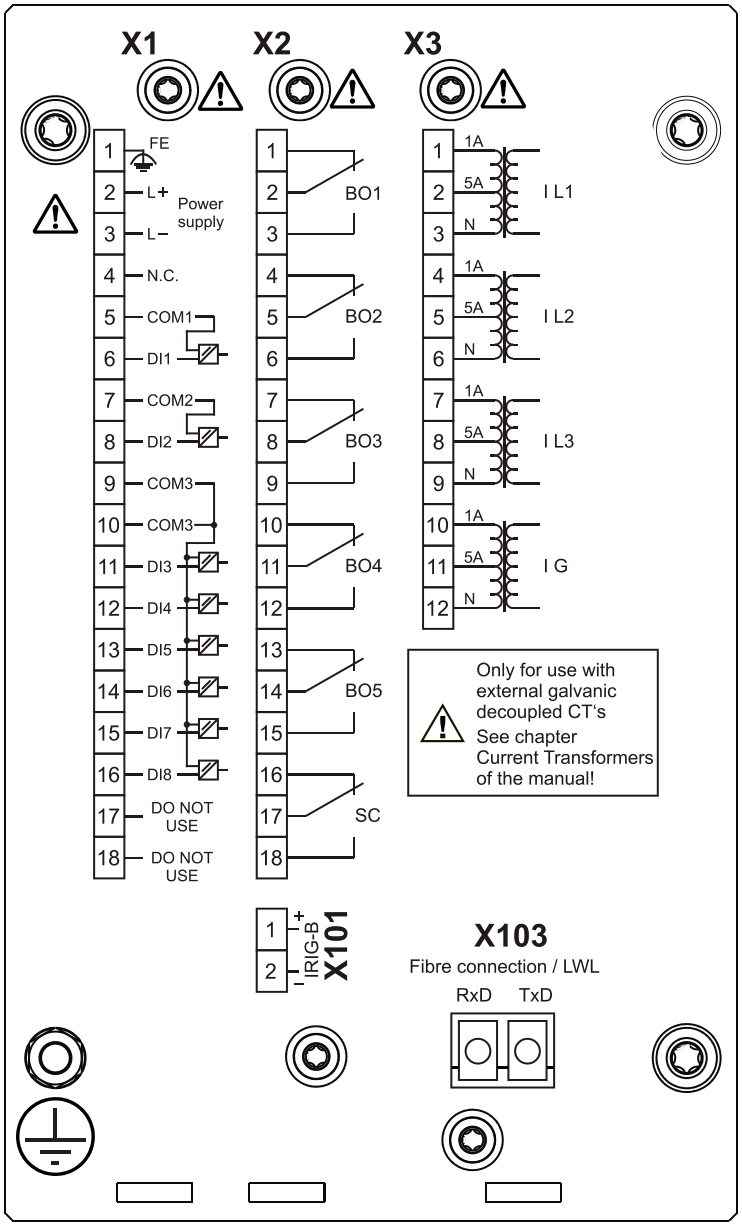
MRM4-2A0HIB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X101
IRIG-B
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

MRM4-2A0HKA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
1 +
2 –
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

MRM4-2A0HKB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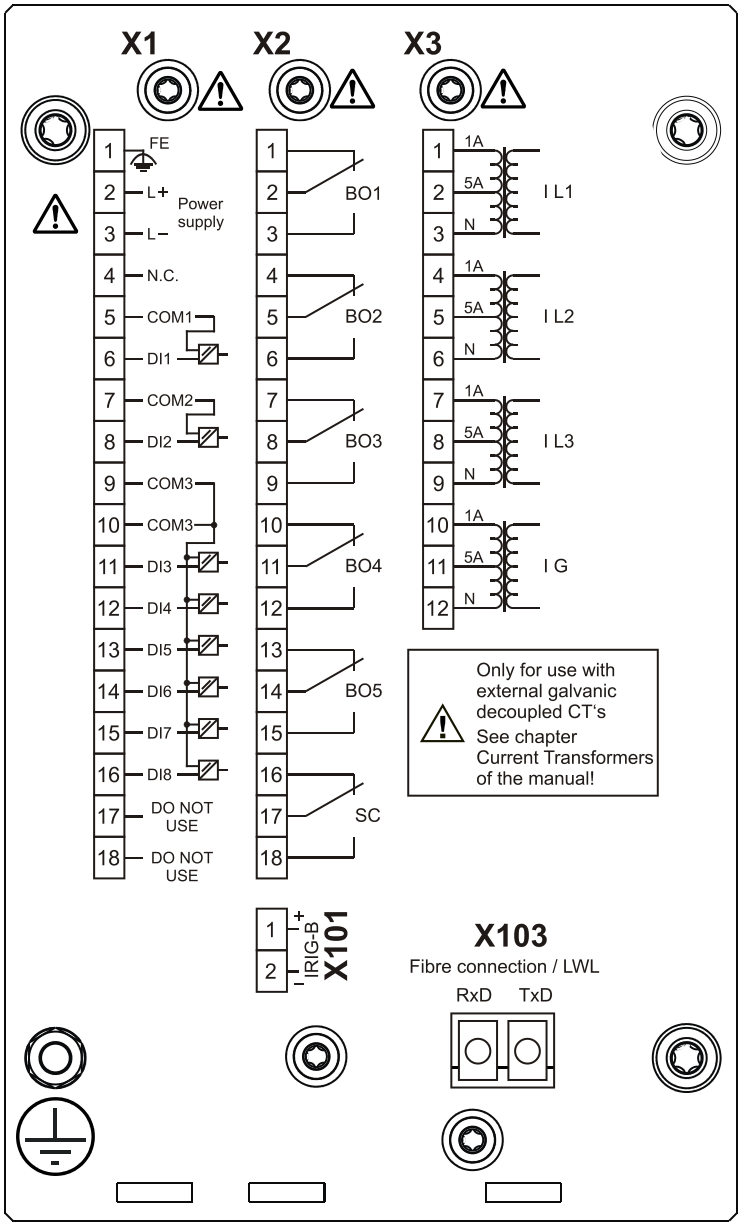
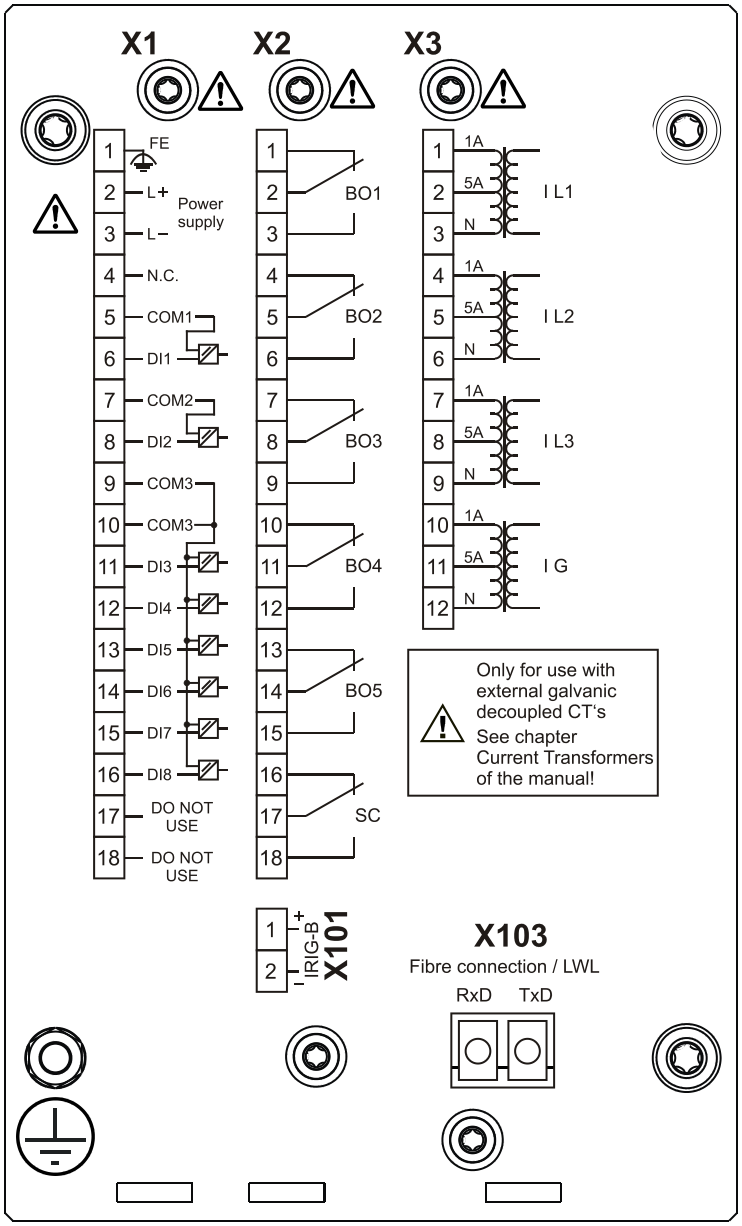
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2
3
4 BO2
5
6
7 BO3
8
9
10 BO4
11
12
13 BO5
14
15
16 SC
17
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
+
–
X103
Fibre connection / LWL
RxD
TxD

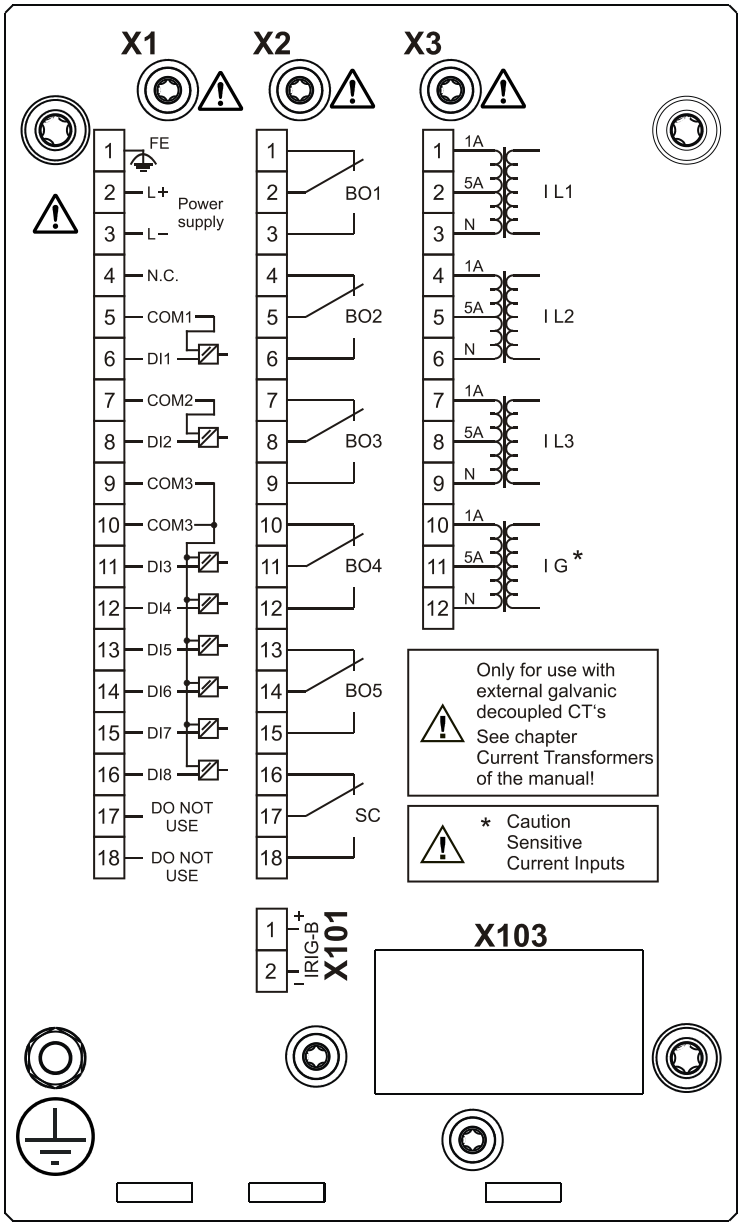
MRM4-2A0HLA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2
3
4 BO2
5
6
7 BO3
8
9
10 BO4
11
12
13 BO5
14
15
16 SC
17
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
+
–
X103
Fibre connection / LWL
RxD
TxD

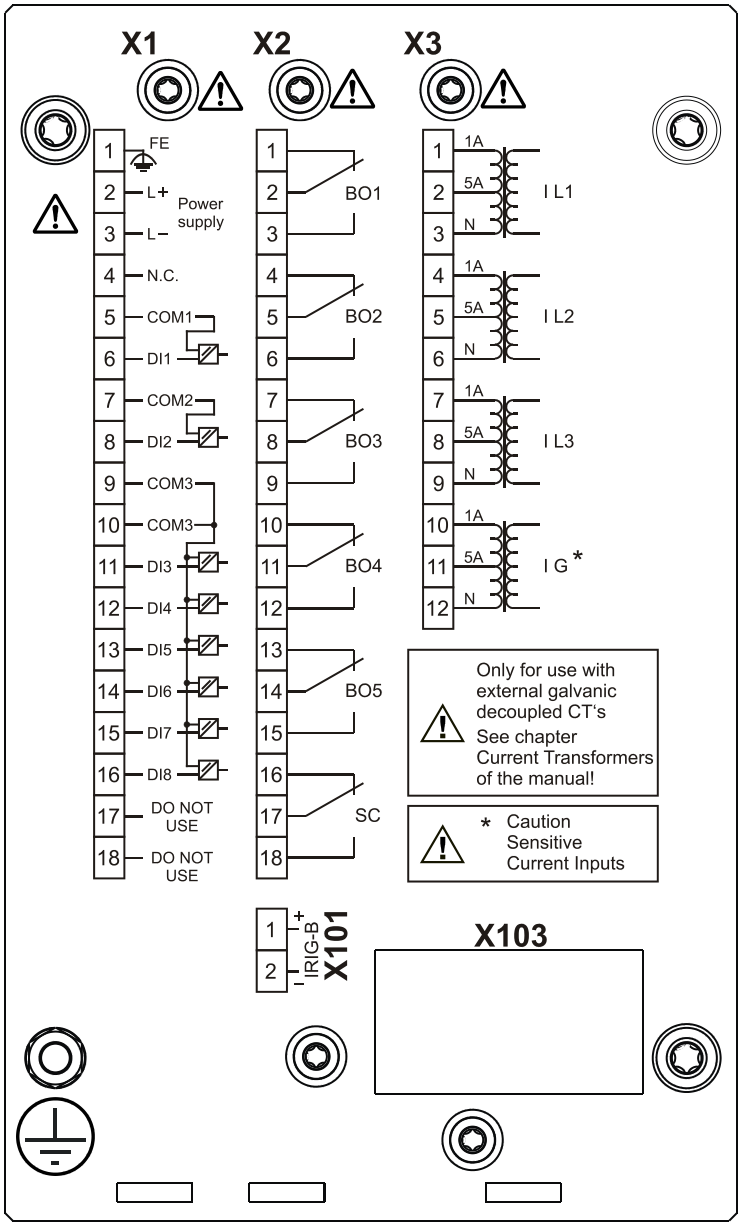
MRM4-2A0HLB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2
3
4 BO2
5
6
7 BO3
8
9
10 BO4
11
12
13 BO5
14
15
16 SC
17
18
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X101
IRIG-B
+
–
X103
Fibre connection / LWL
RxD
TxD

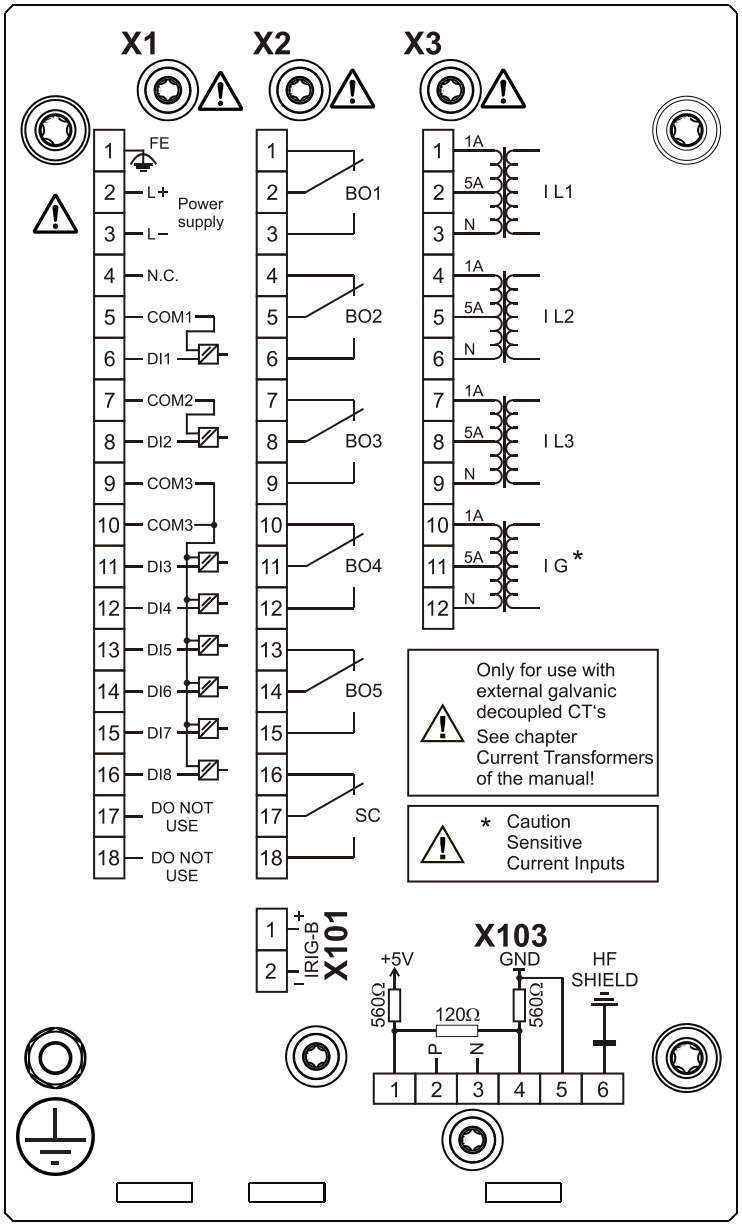
MRM4-2A1AAA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
+
–
X103

MRM4-2A1AAB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103

MRM4-2A1ABA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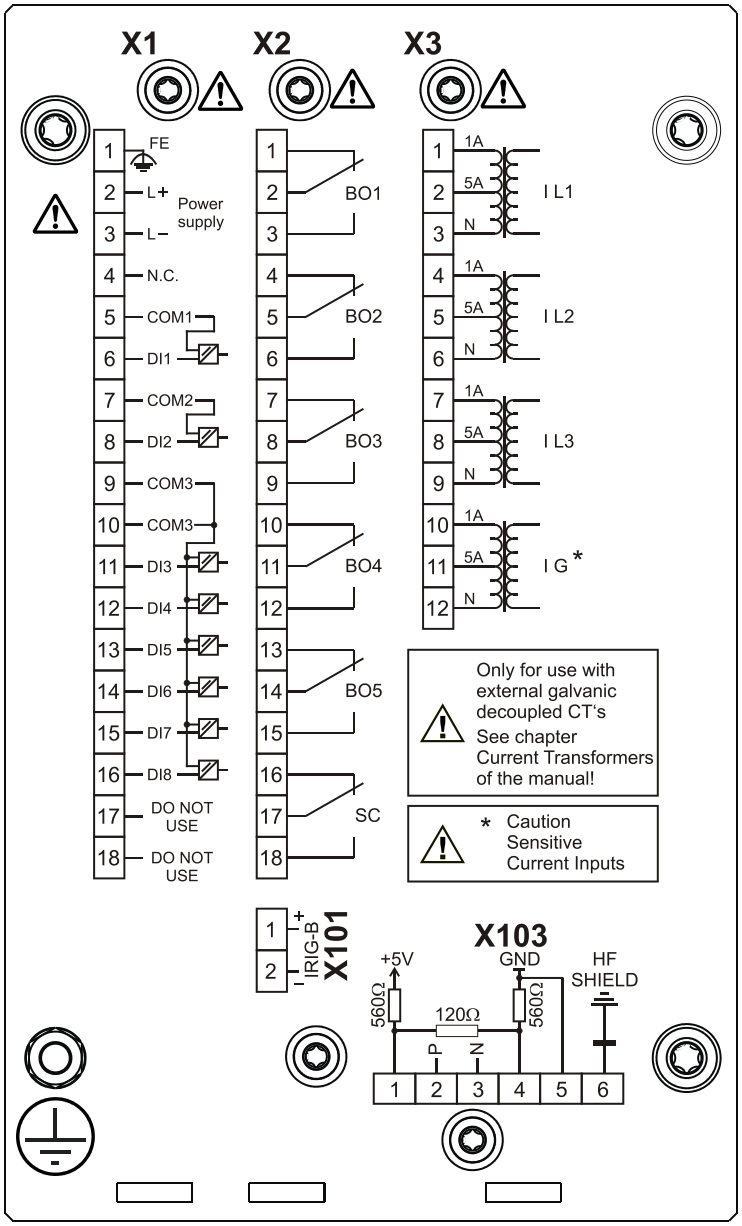
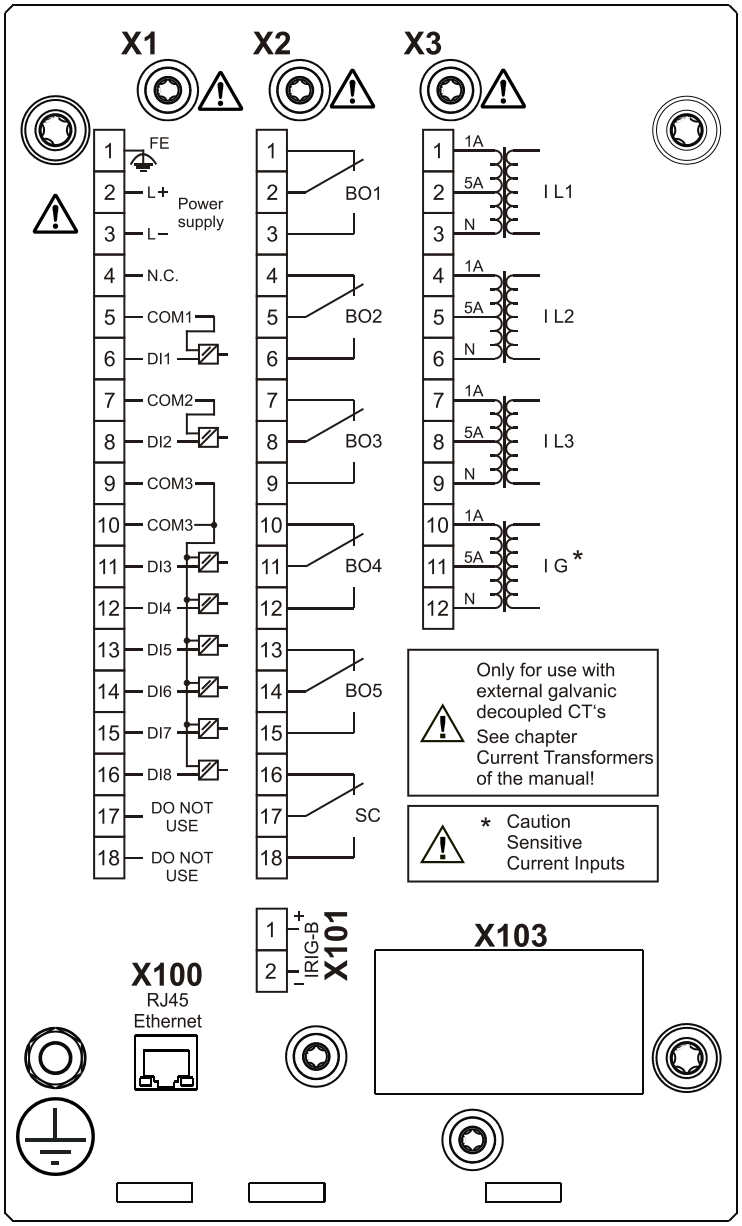
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

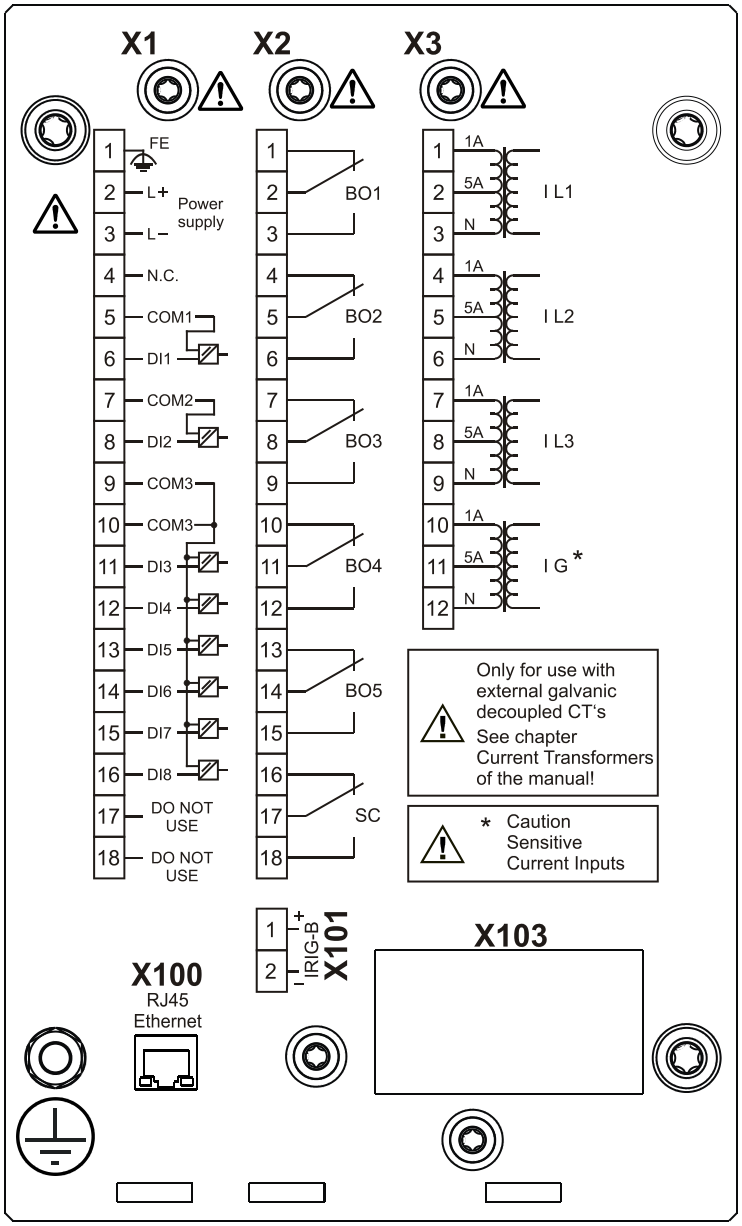
MRM4-2A1ABB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

MRM4-2A1ACA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
1 +
2 –
IRIG-B
X100
RJ45
Ethernet
X103

MRM4-2A1ACB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X2
X3
1 FE
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3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
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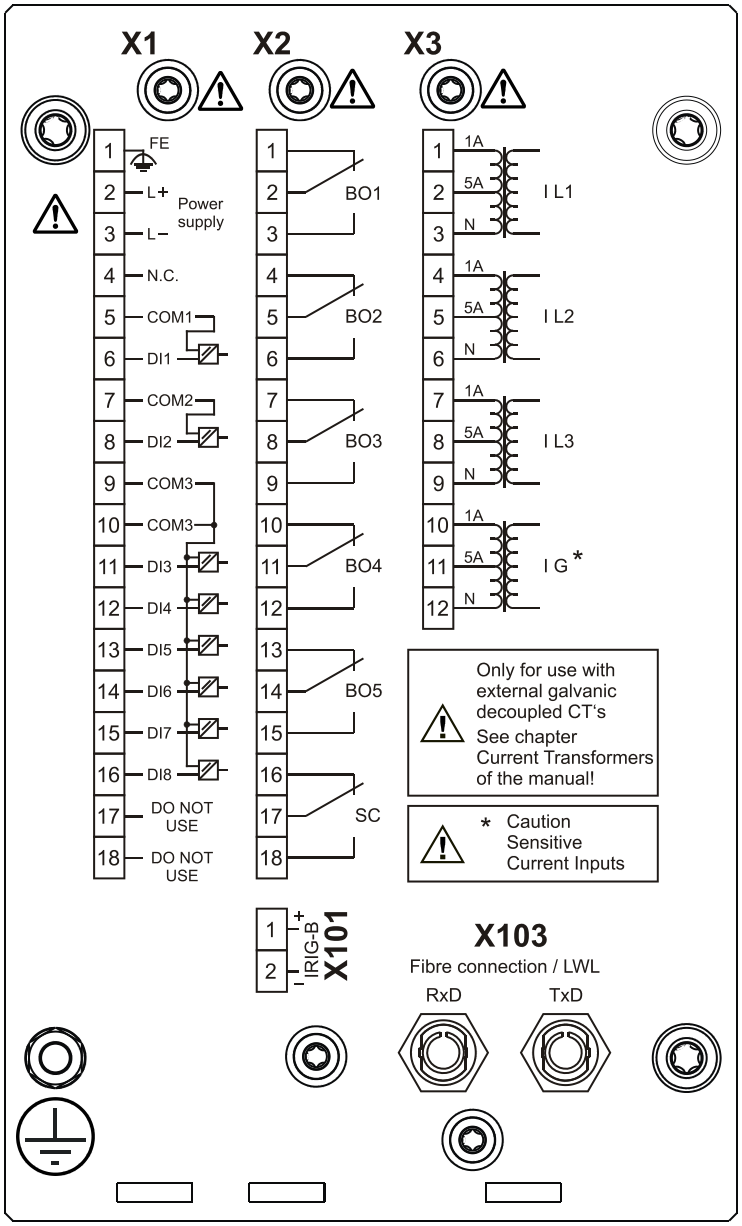
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
1 +
2 –
IRIG-B
X101
X103

MRM4-2A1ADA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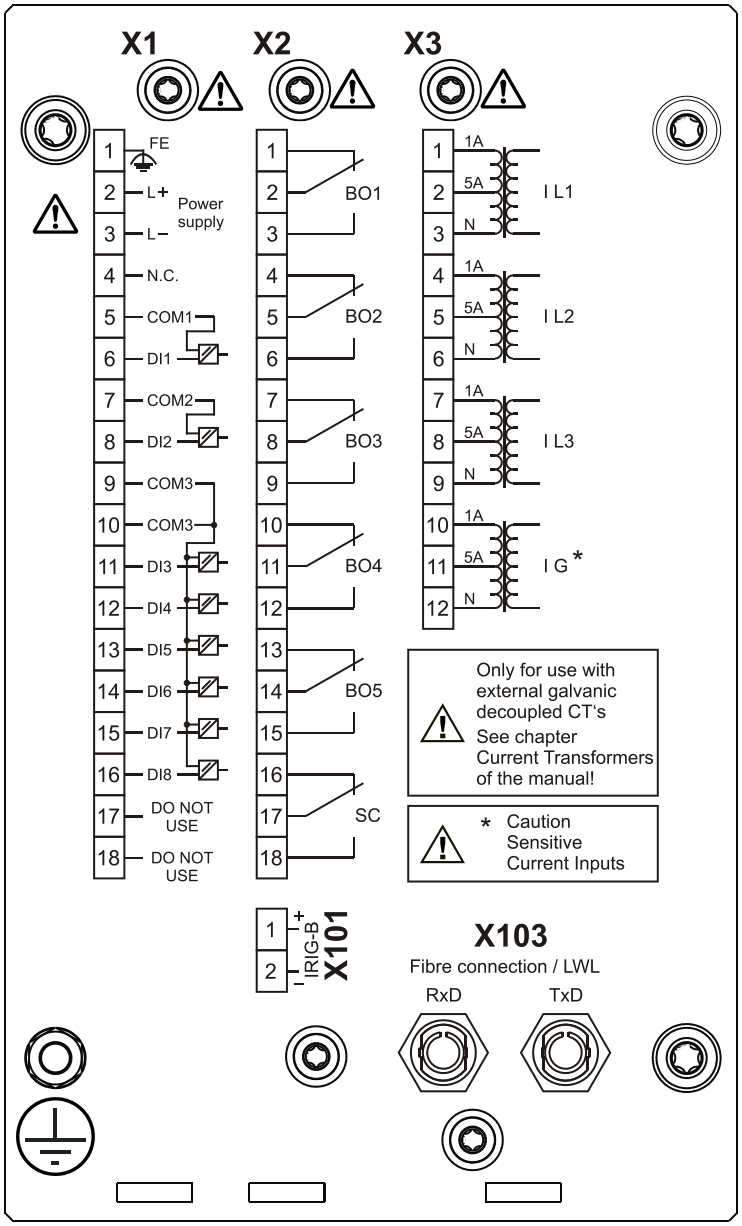
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

MRM4-2A1ADB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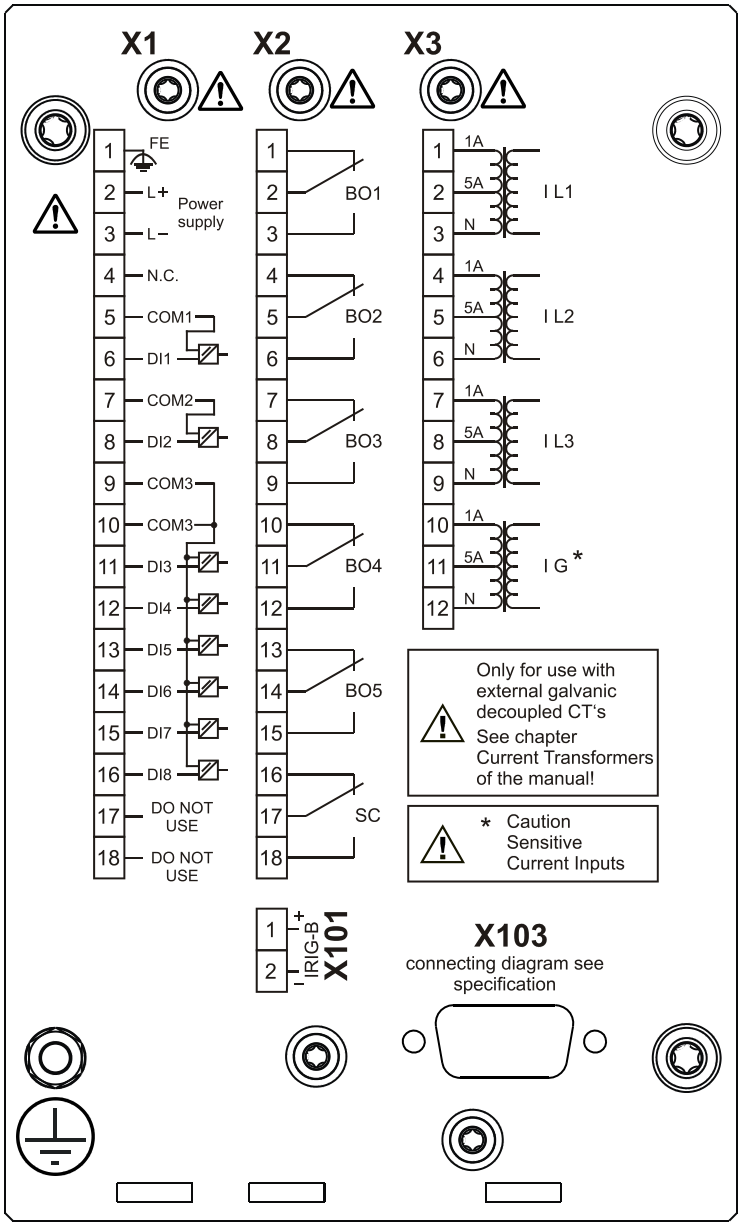
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

MRM4-2A1AEA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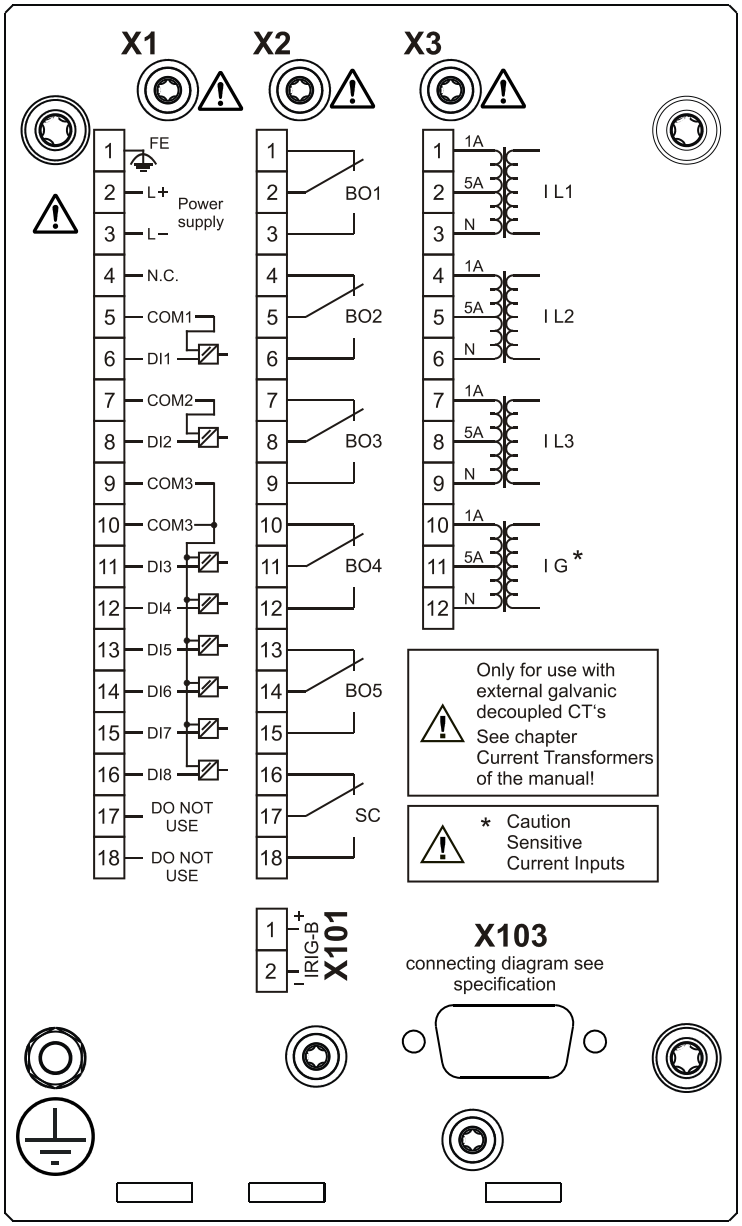
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
connecting diagram see specification

MRM4-2A1AEB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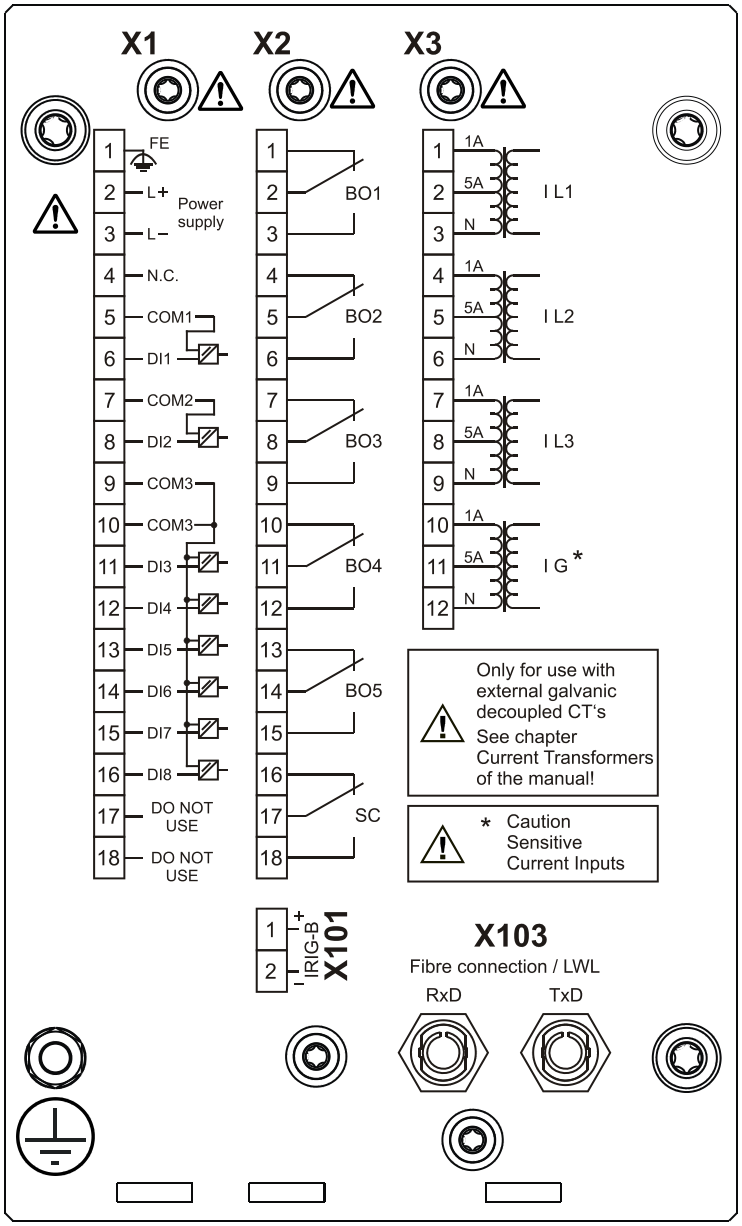
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
+
–
X103
connecting diagram see specification

MRM4-2A1AFA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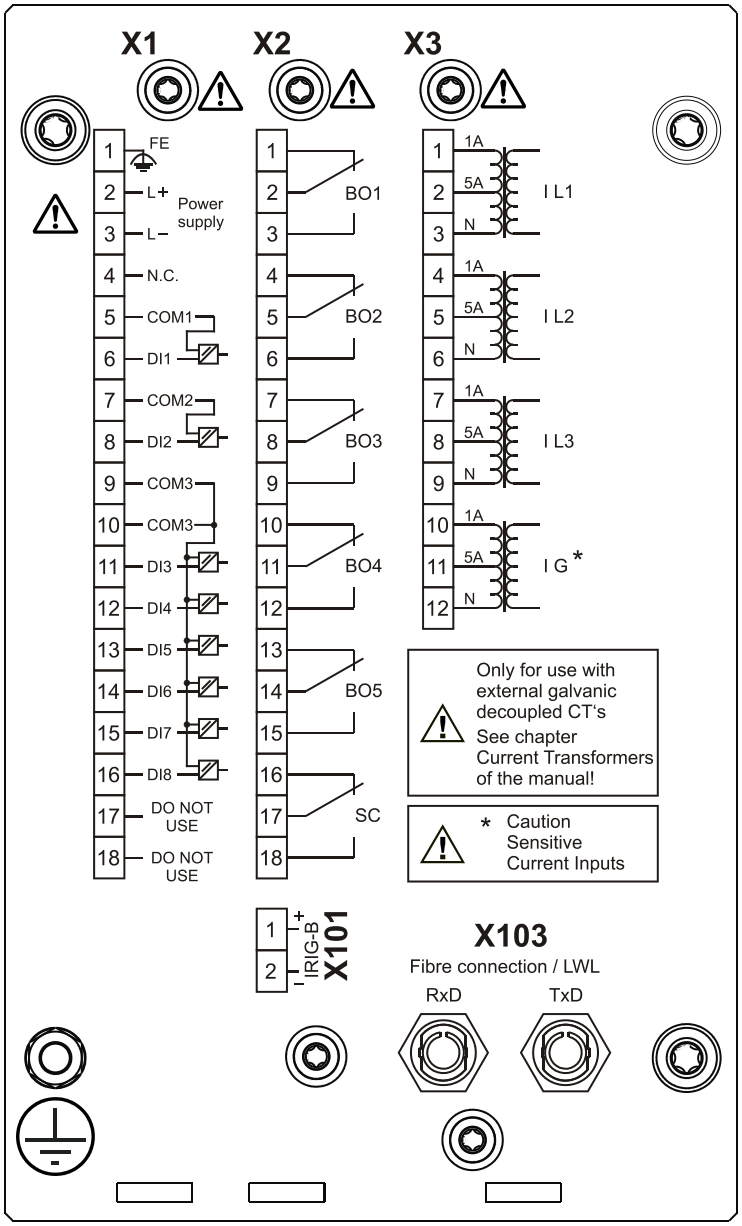
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

MRM4-2A1AFB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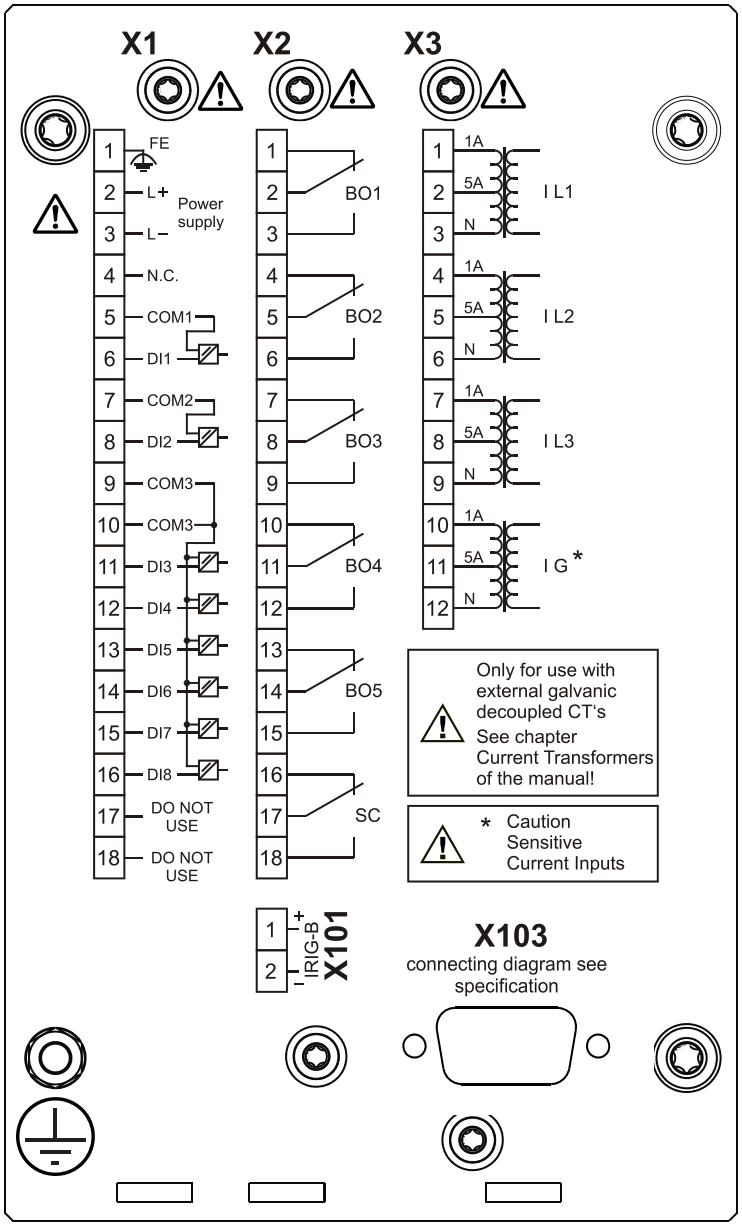
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

MRM4-2A1AGA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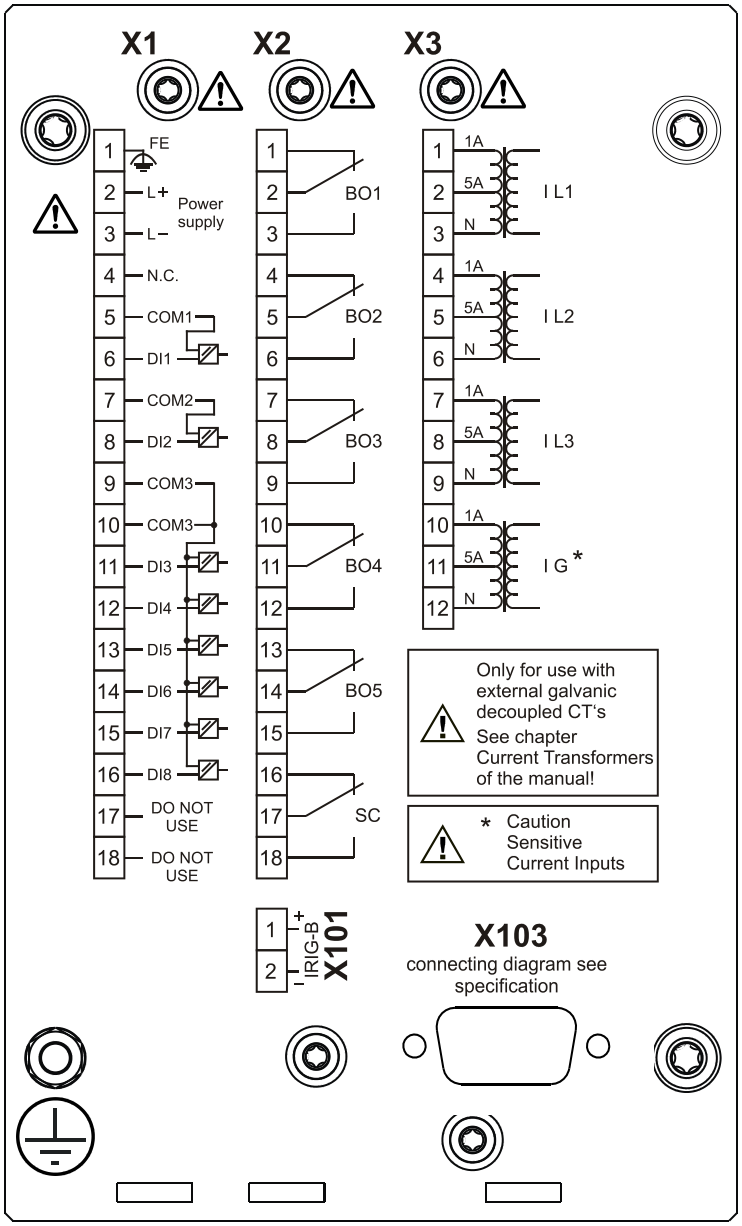
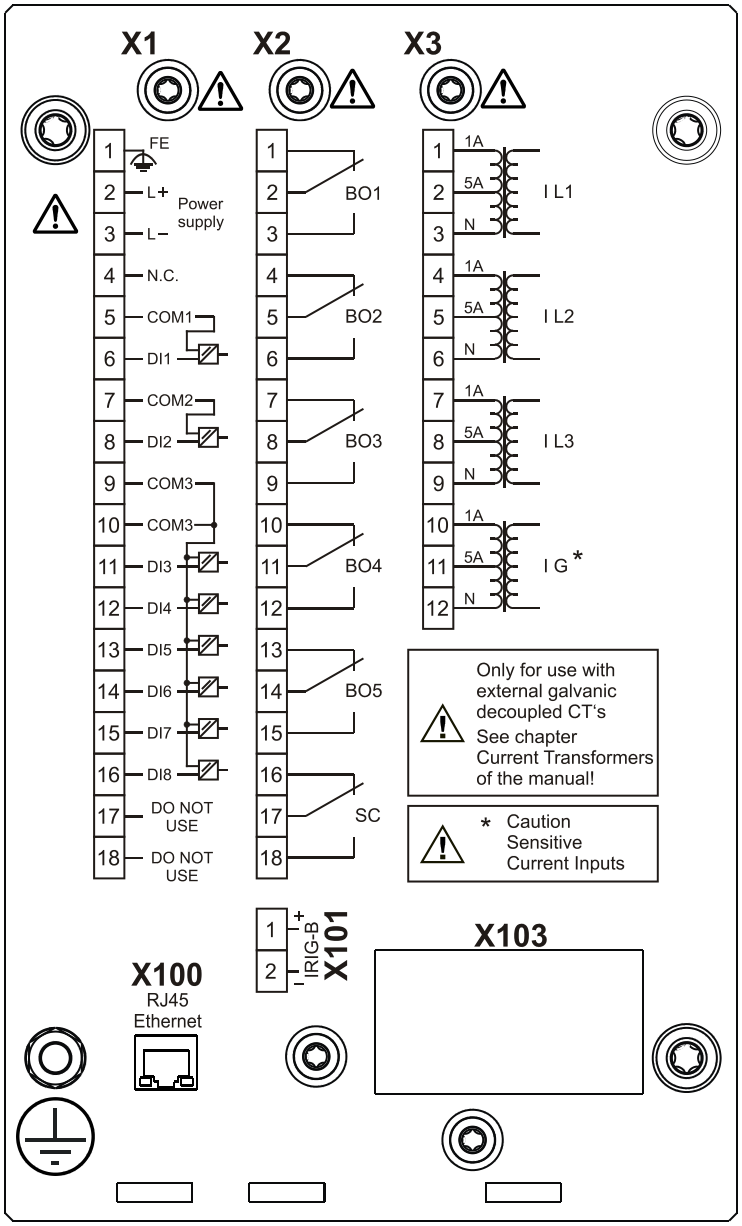
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
+
–
X103
connecting diagram see specification

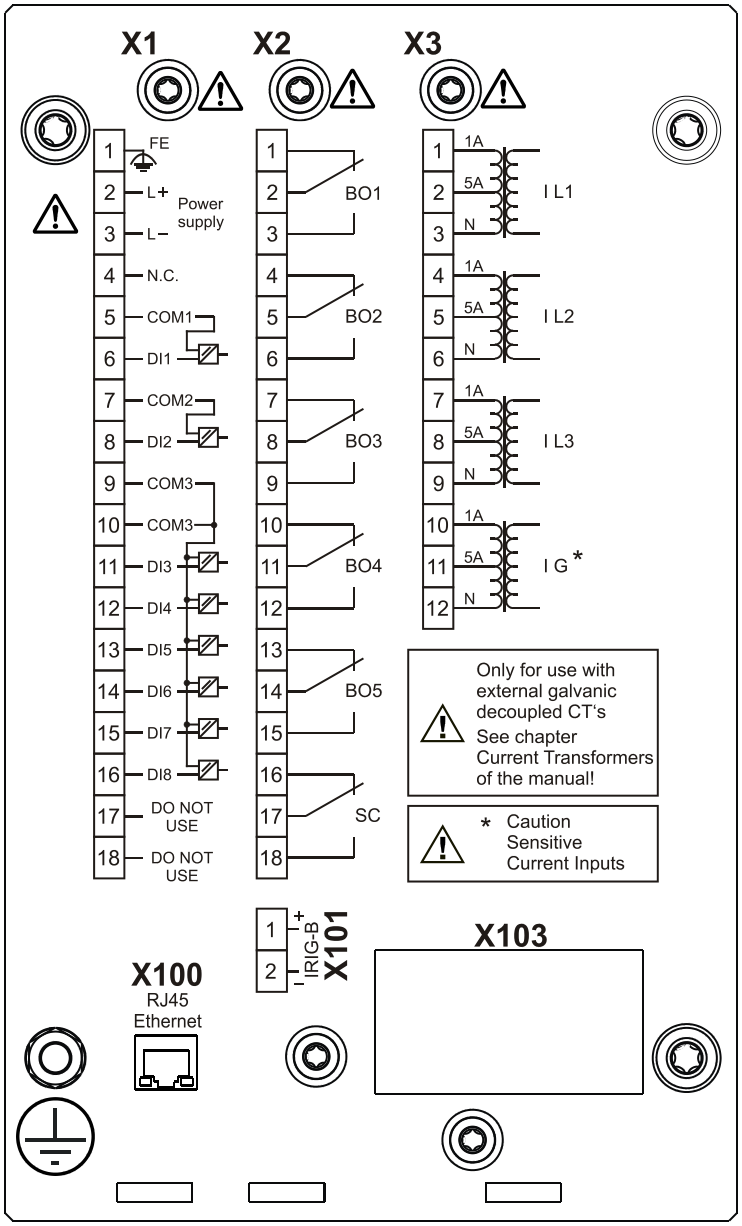
MRM4-2A1AGB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
connecting diagram see specification

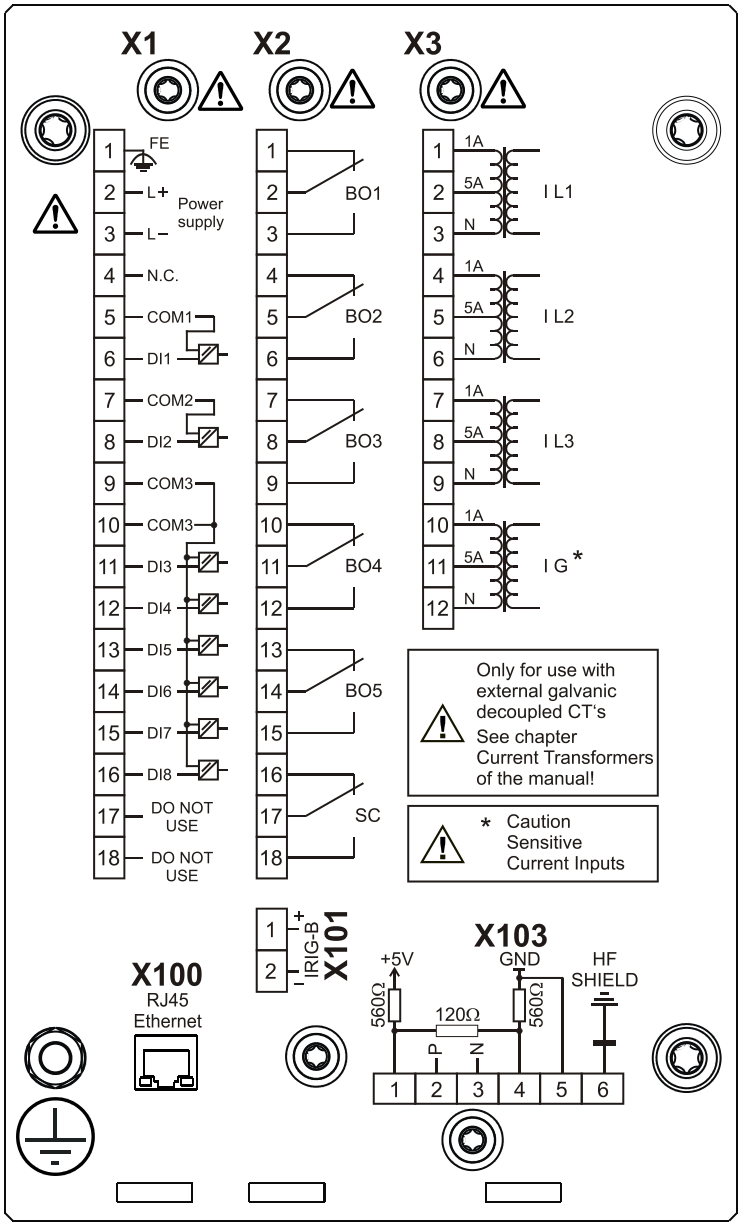
MRM4-2A1AHA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
1 +
2 –
IRIG-B
X100
RJ45
Ethernet
X103

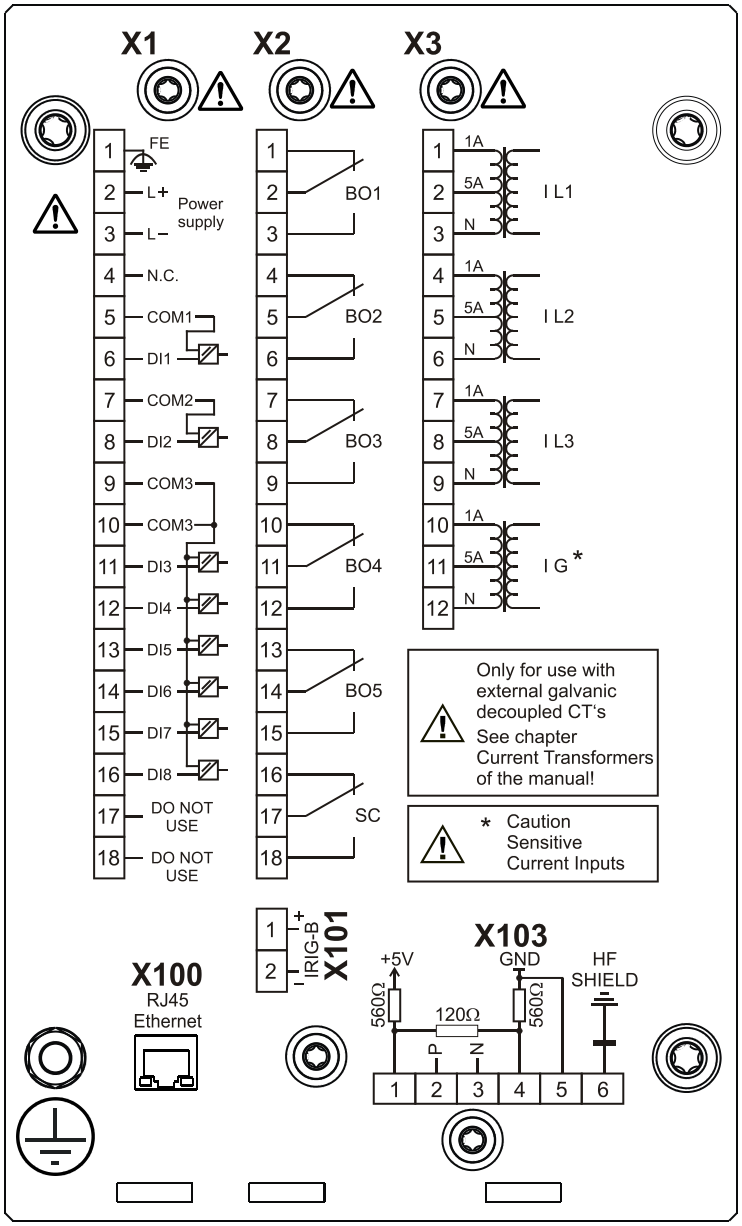
MRM4-2A1AHB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
1 +
2 –
IRIG-B
X100
RJ45
Ethernet
X103

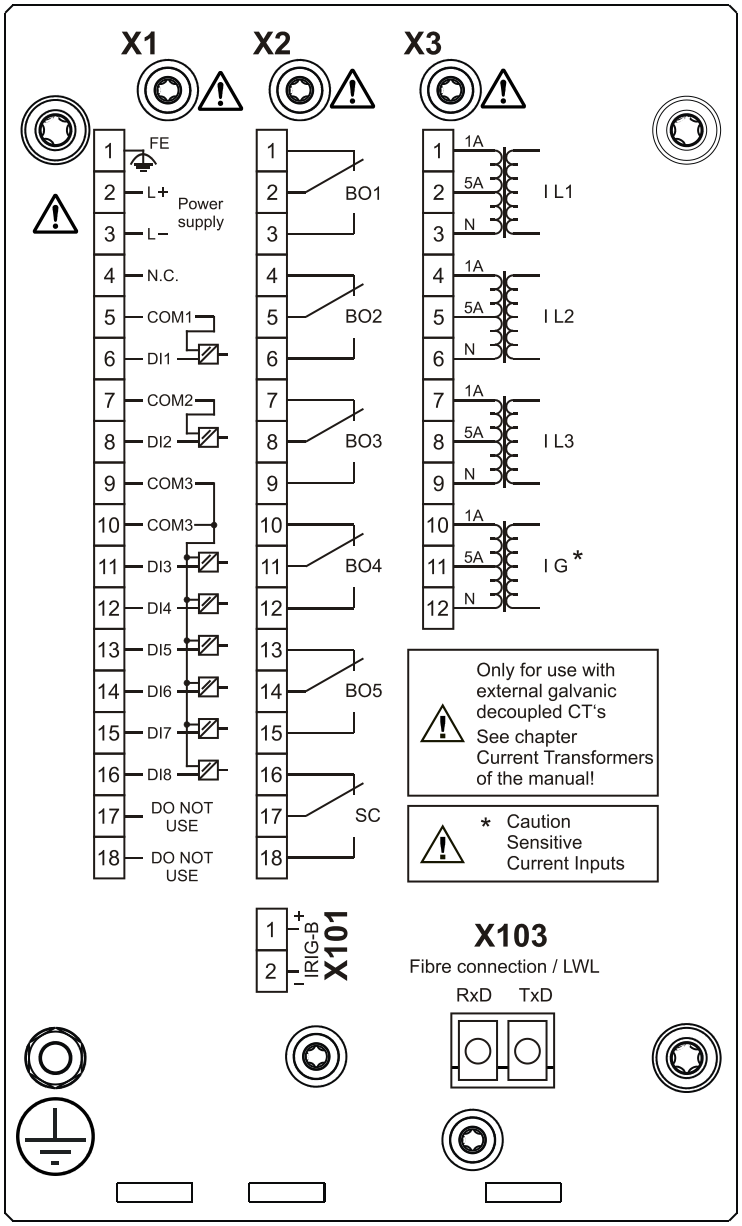
MRM4-2A1AIA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X101
IRIG-B
+
–
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

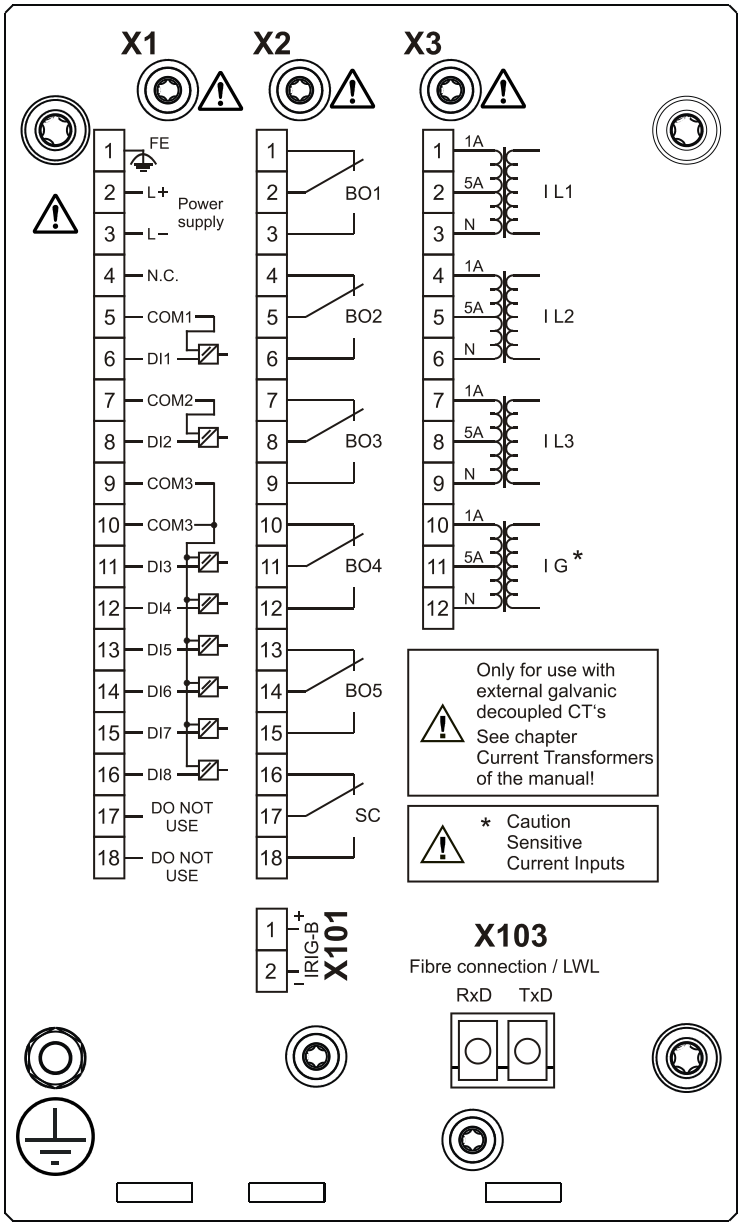
MRM4-2A1AIB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X101
IRIG-B
+
–
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

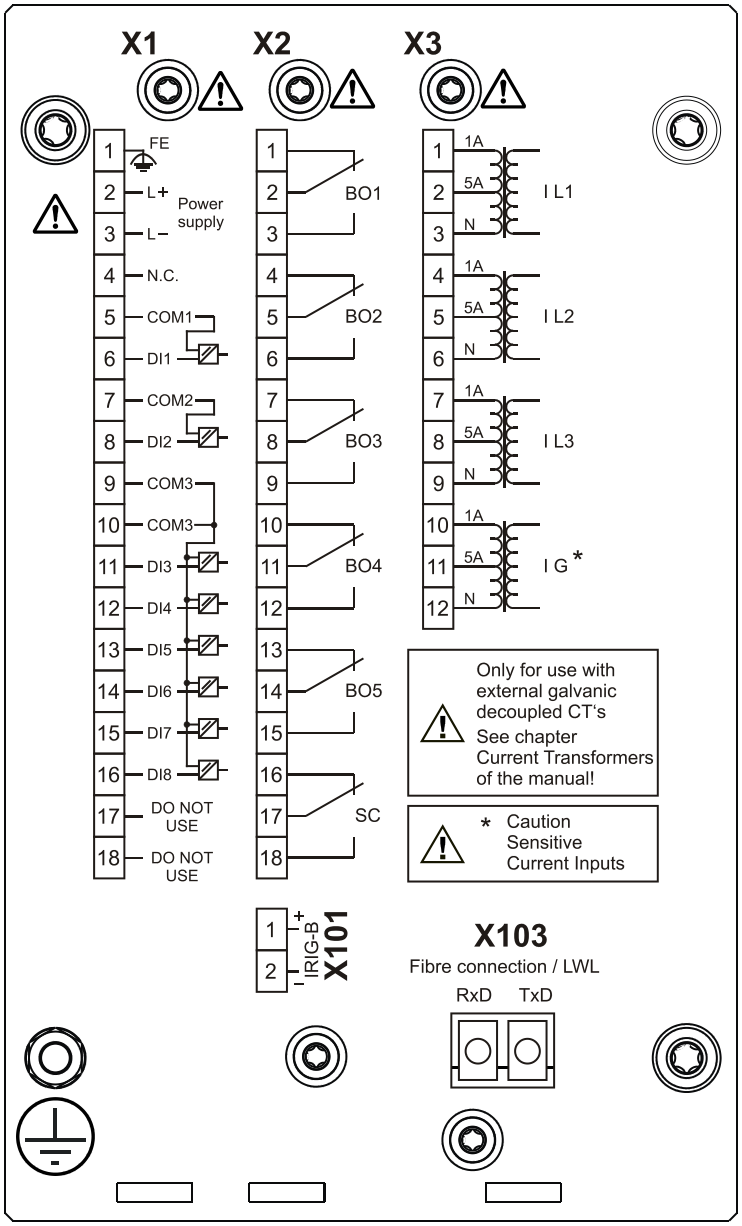
MRM4-2A1AKA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

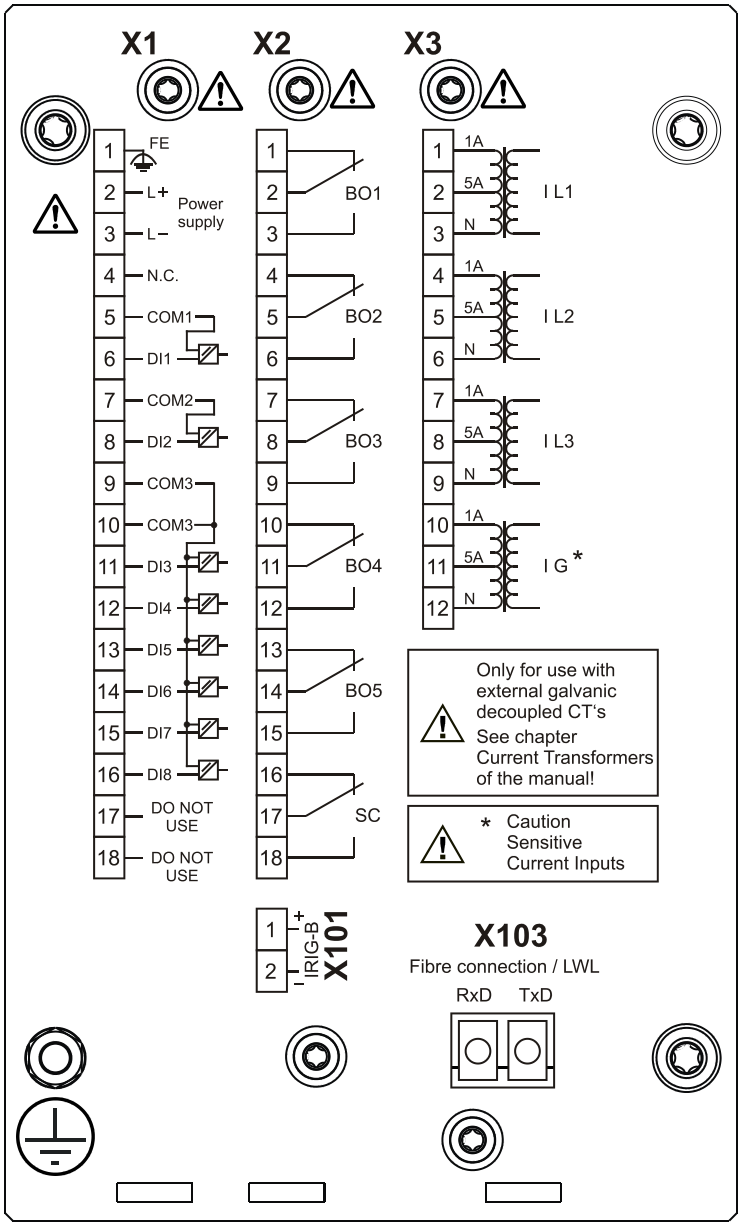
MRM4-2A1AKB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

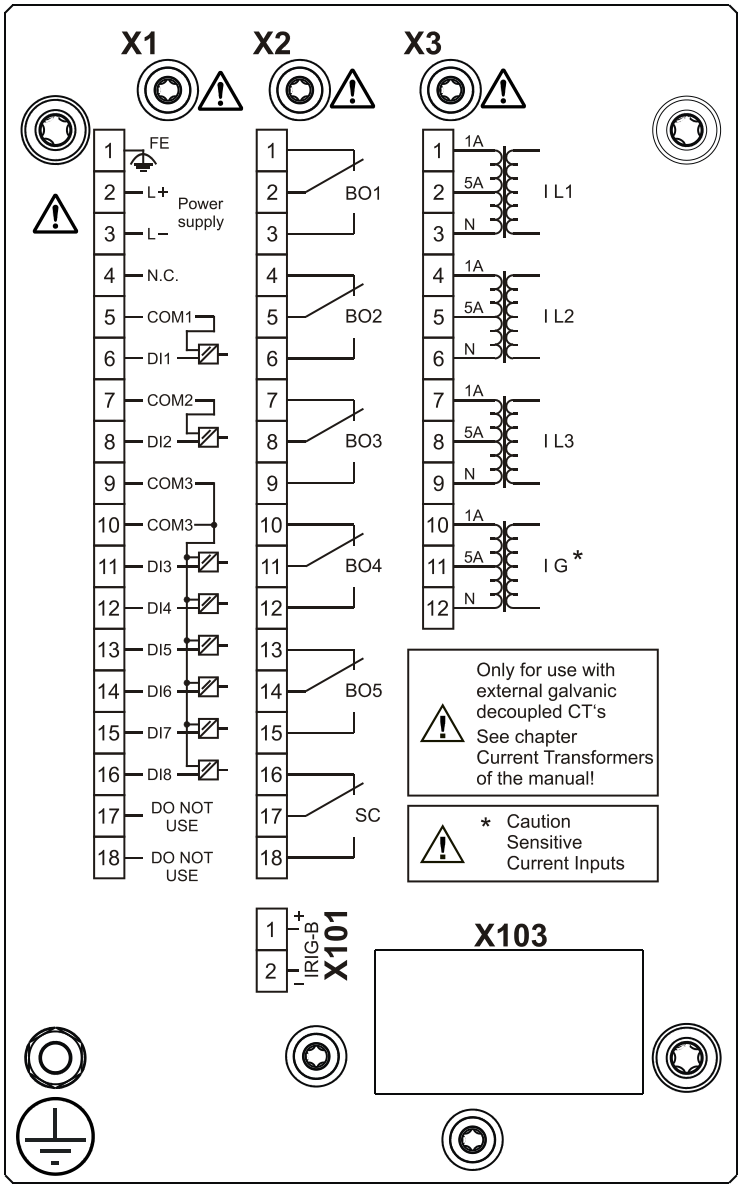
MRM4-2A1ALA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2
3
4 BO2
5
6
7 BO3
8
9
10 BO4
11
12
13 BO5
14
15
16 SC
17
18
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
+
–
X103
Fibre connection / LWL
RxD
TxD

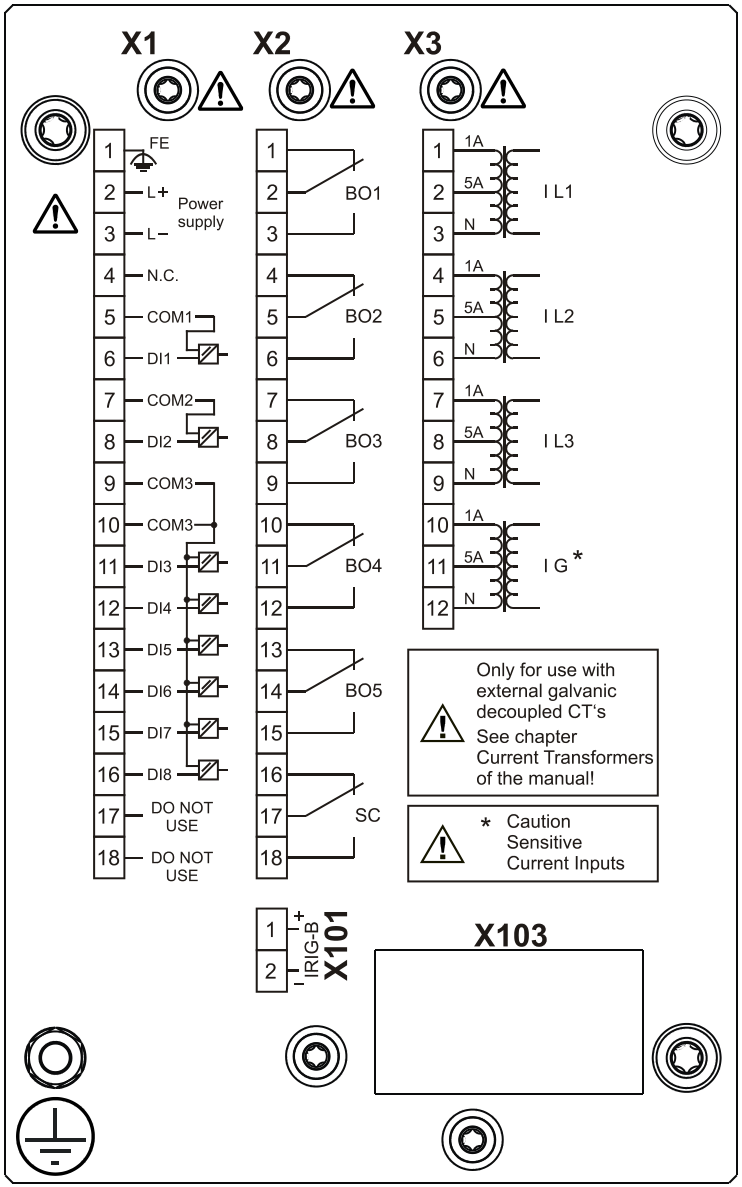
MRM4-2A1ALB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

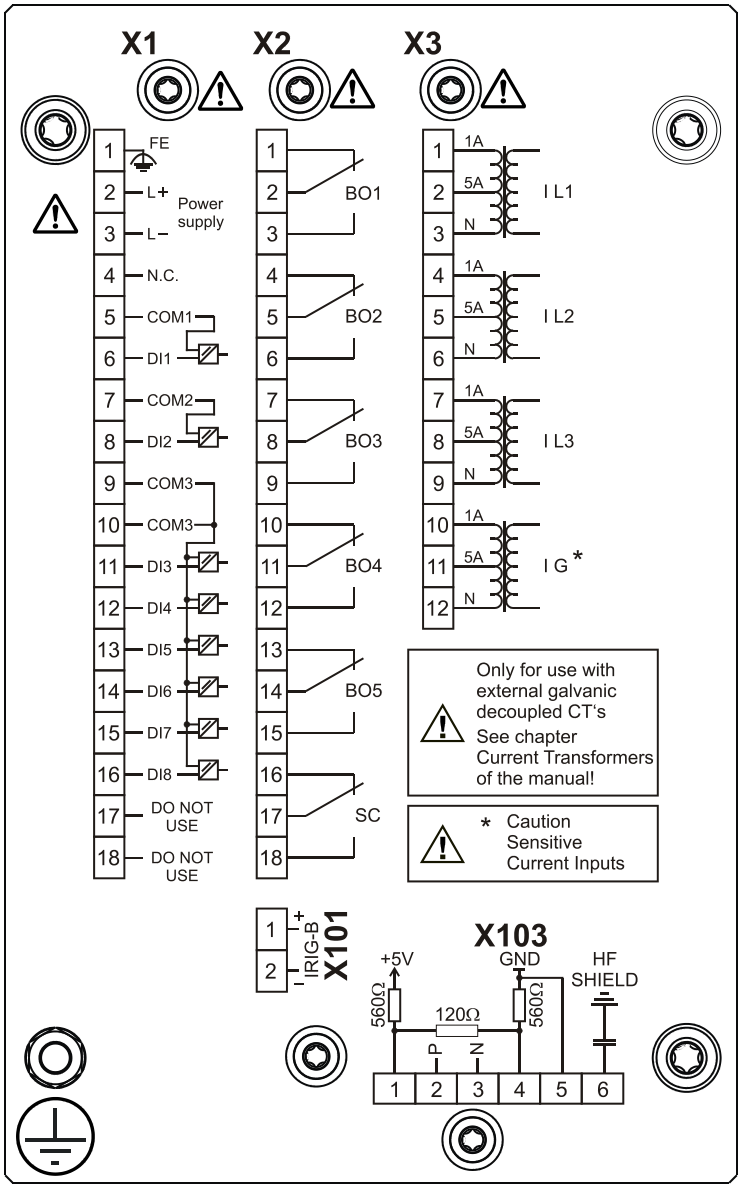
MRM4-2A1BAA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103

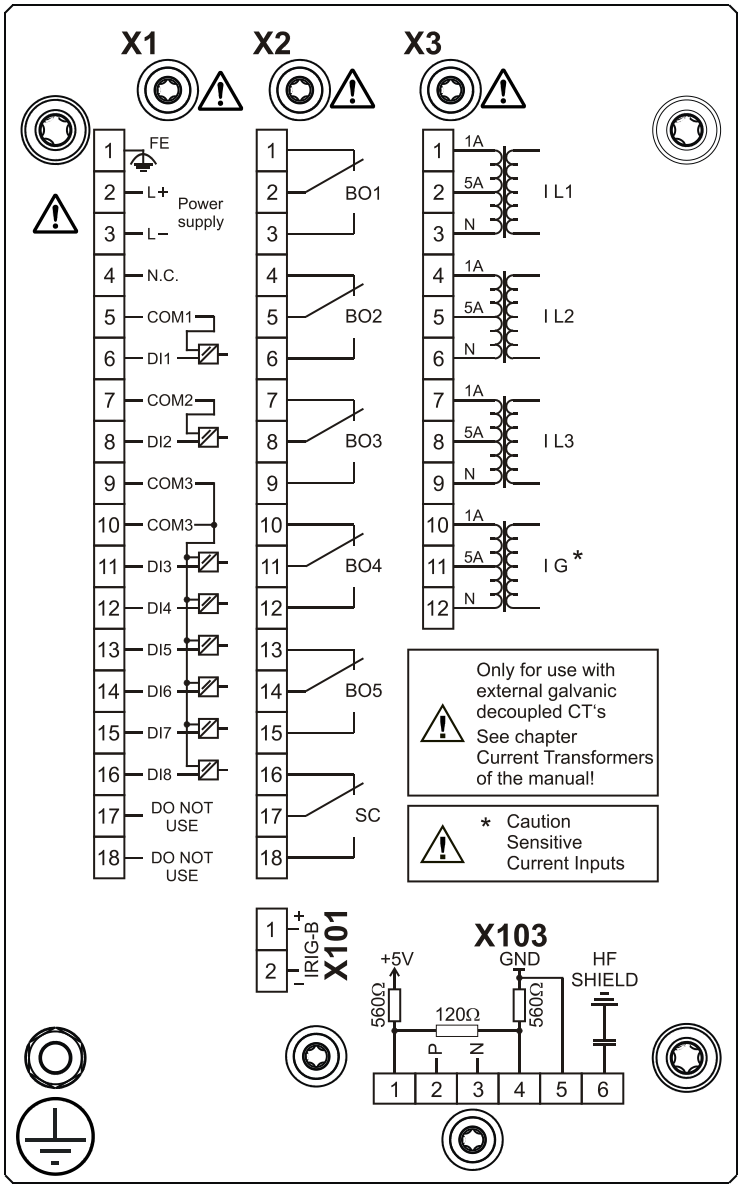
MRM4-2A1BAB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103

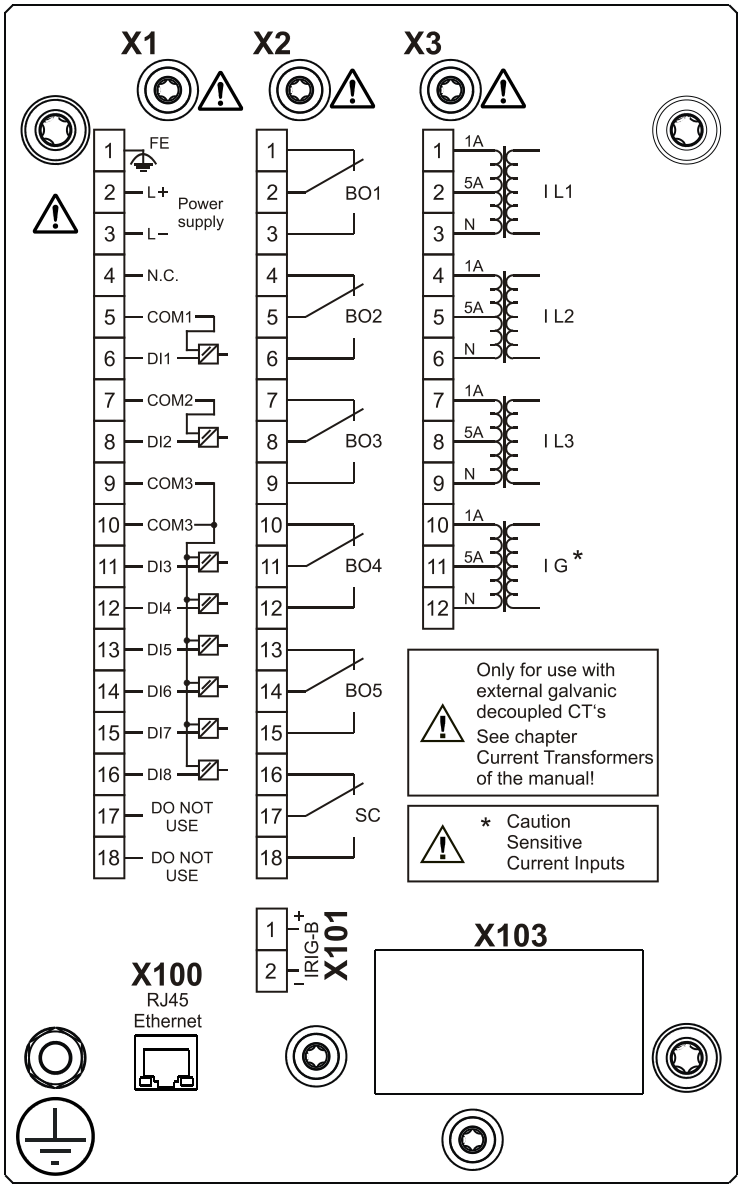
MRM4-2A1BBA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
1 +
2 –
IRIG-B
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

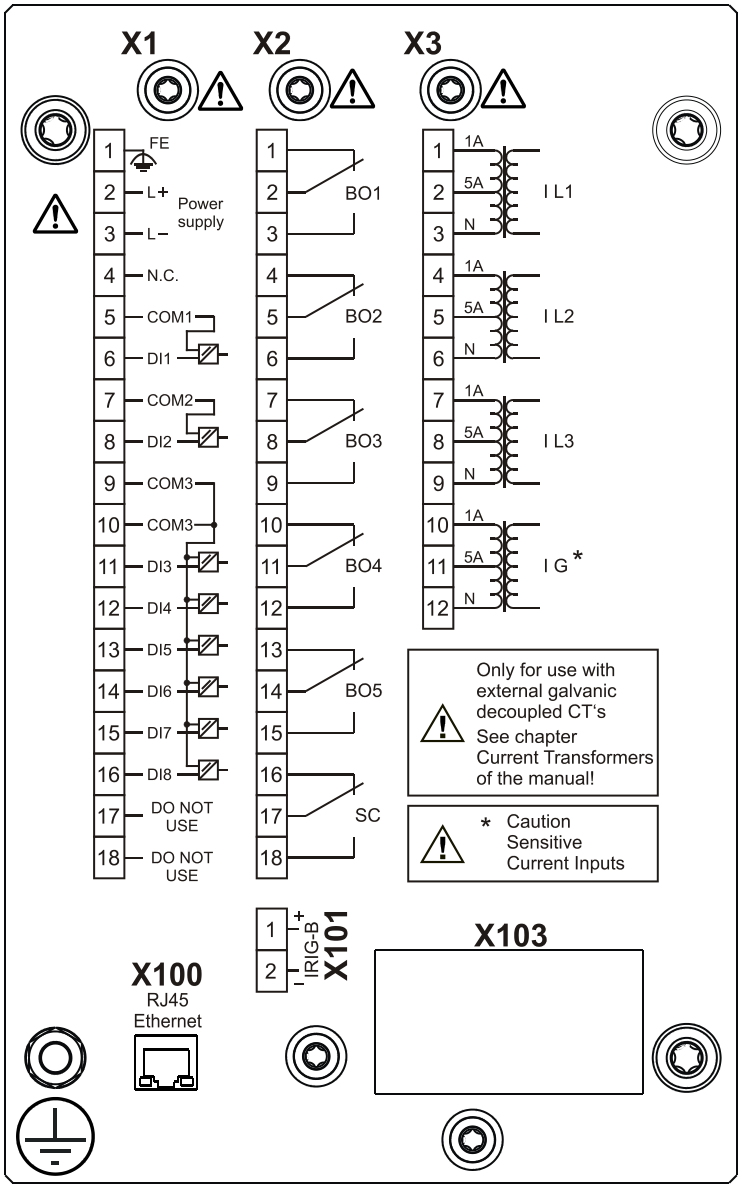
MRM4-2A1BBB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
1 +
2 –
IRIG-B
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

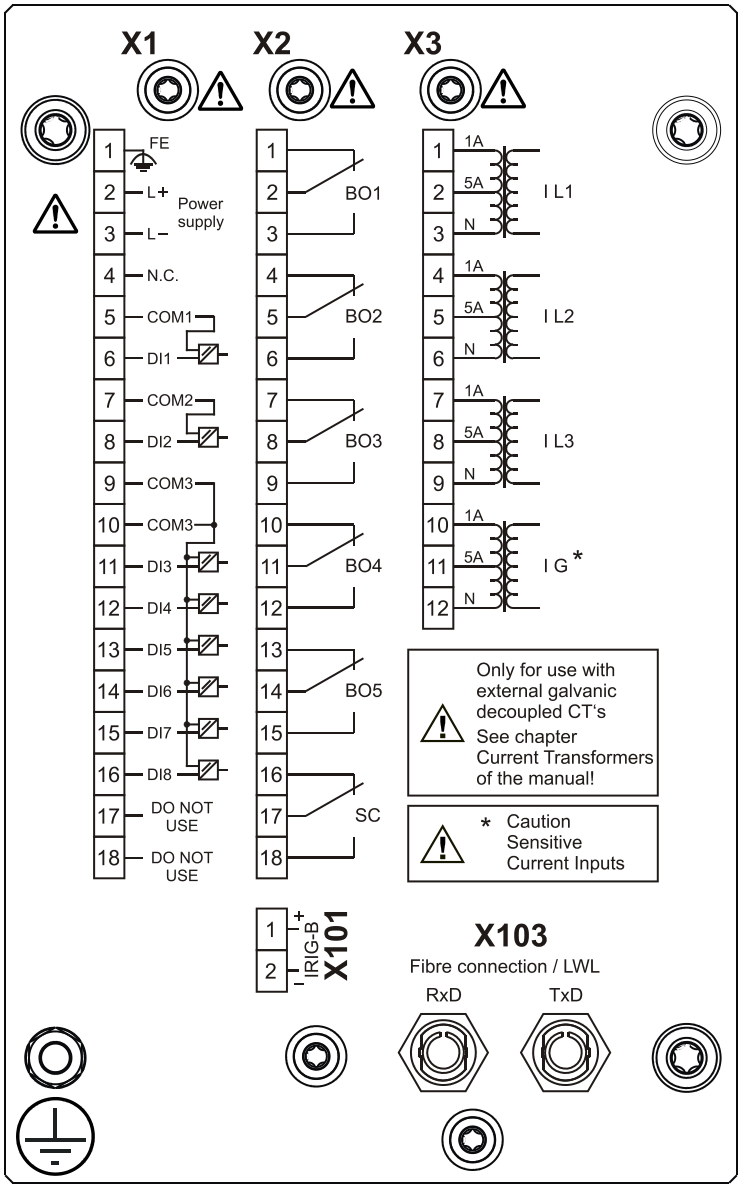
MRM4-2A1BCA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
1 +
2 –
IRIG-B
X101
X103

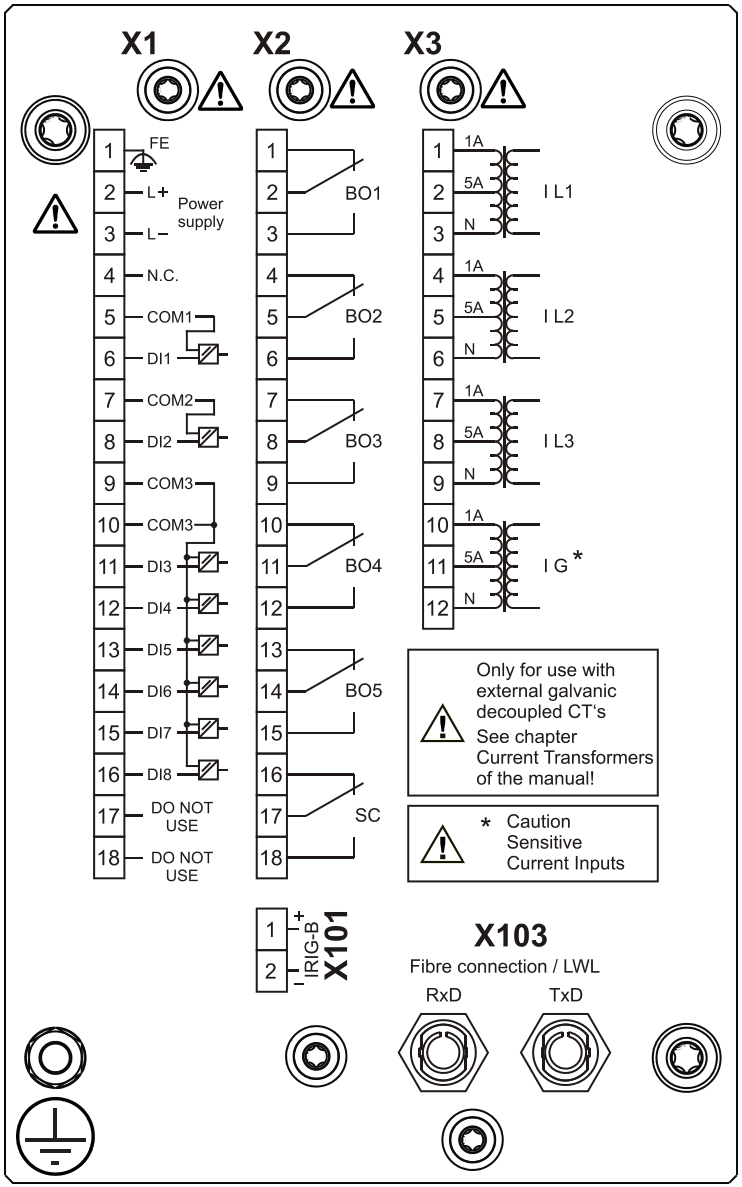
MRM4-2A1BCB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
1 +
2 –
IRIG-B
X101
X103

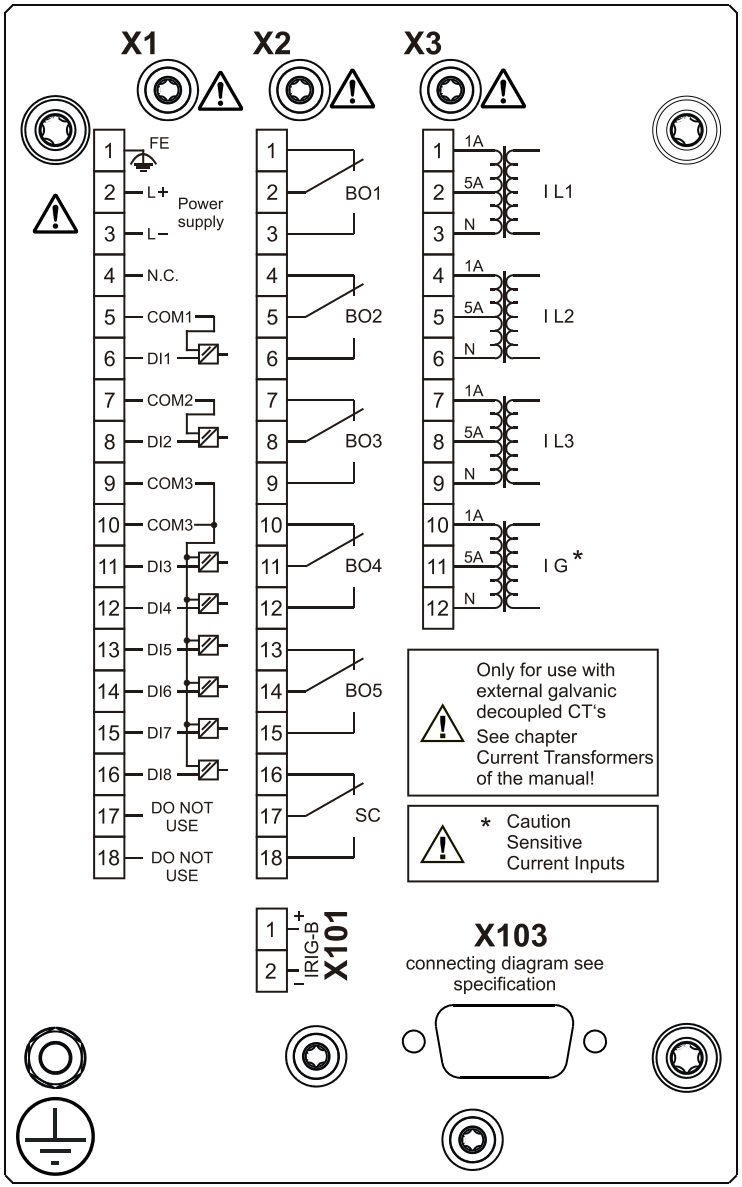
MRM4-2A1BDA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

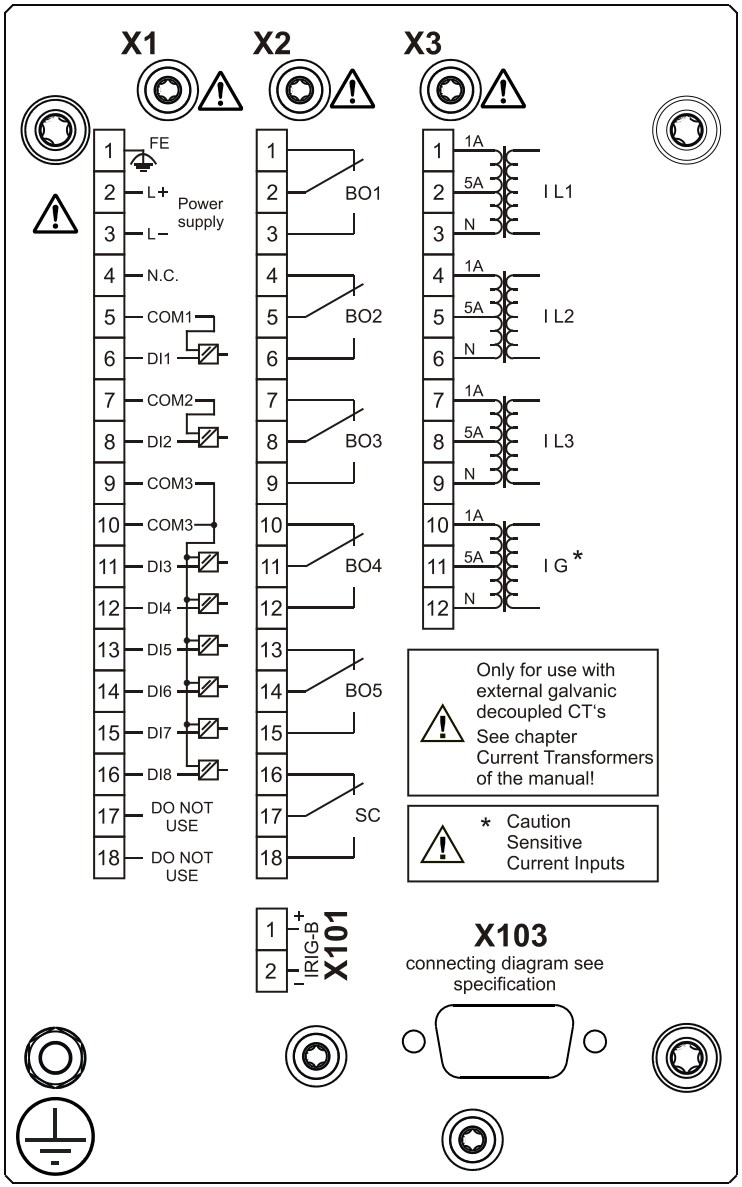
MRM4-2A1BDB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

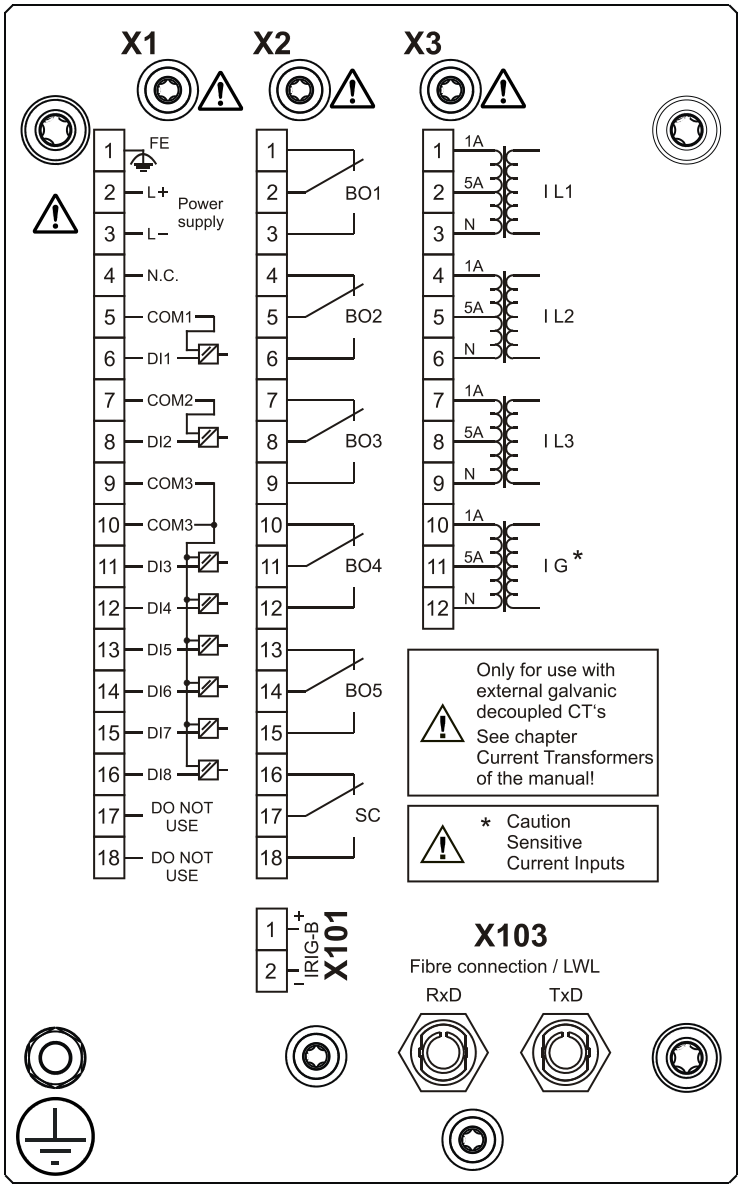
MRM4-2A1BEA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
1 +
2 –
IRIG-B
X101
X103
connecting diagram see specification

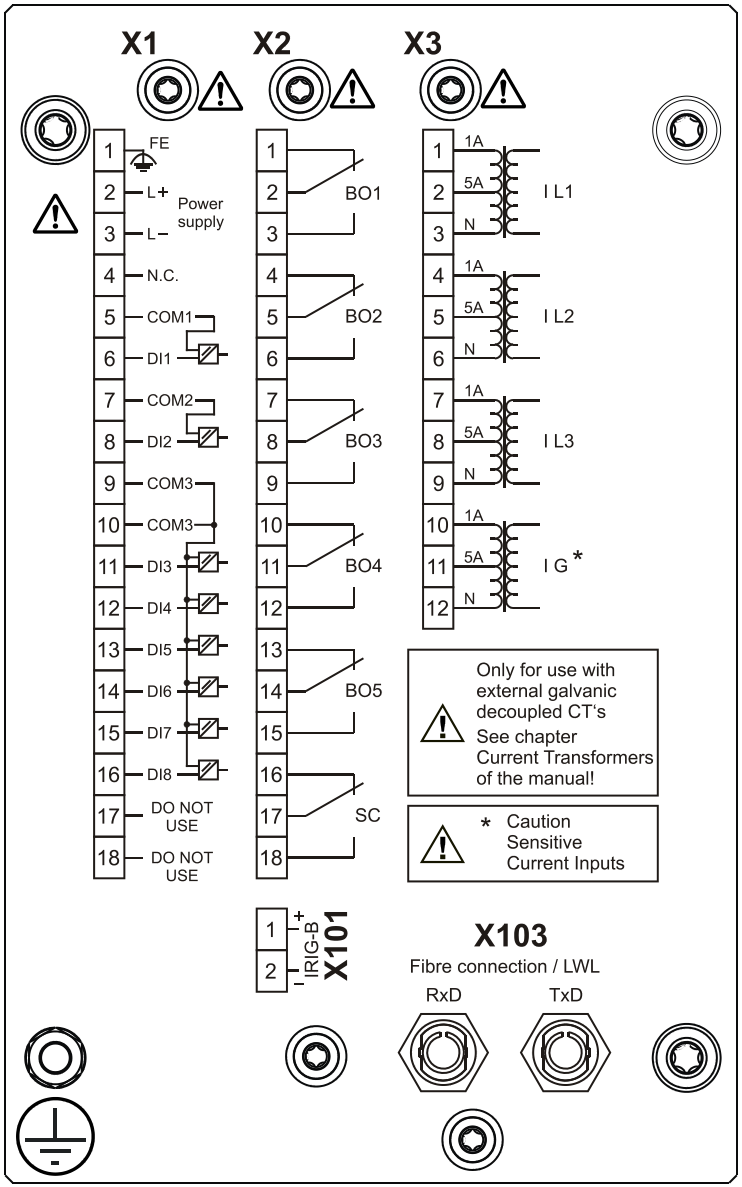
MRM4-2A1BEB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
connecting diagram see specification

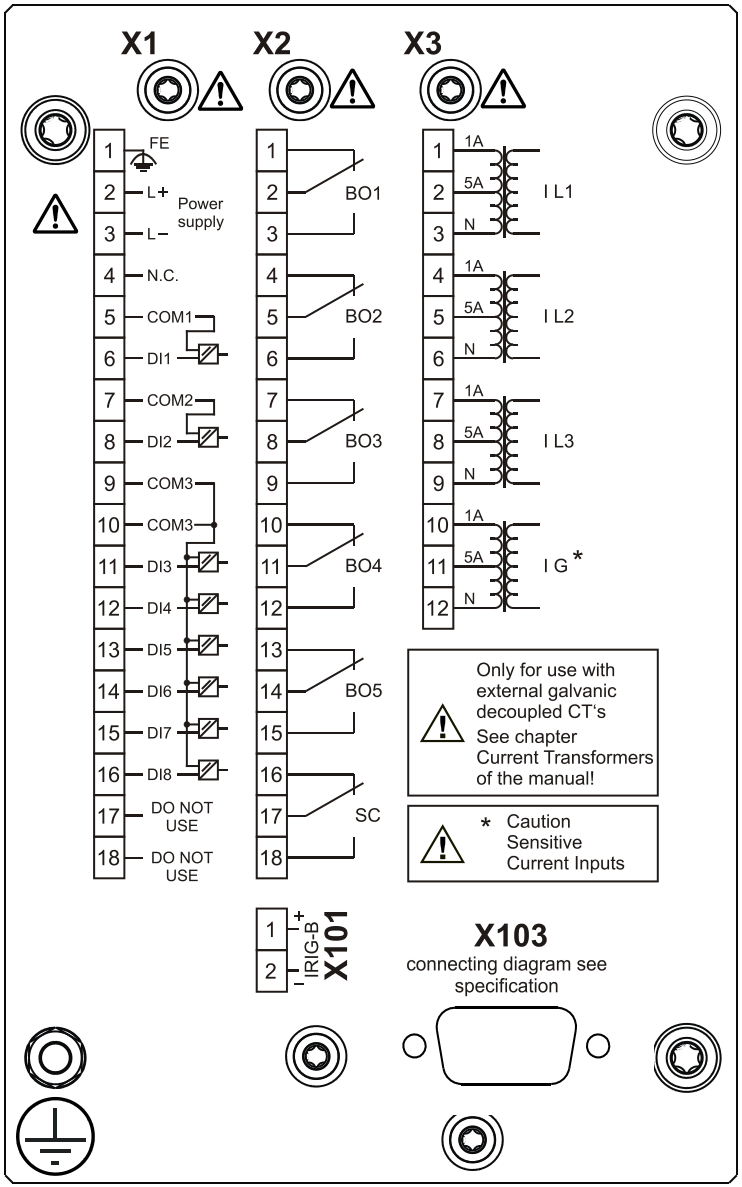
MRM4-2A1BFA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
+
–
X103
Fibre connection / LWL
RxD
TxD

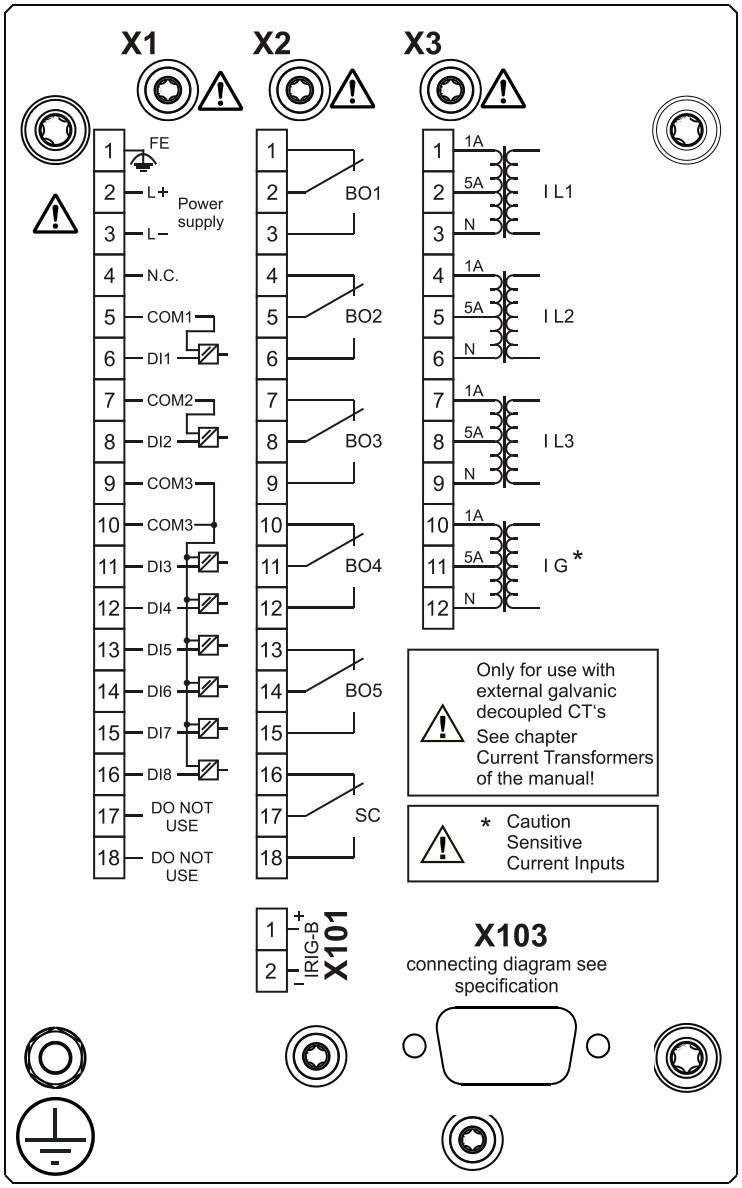
MRM4-2A1BFB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

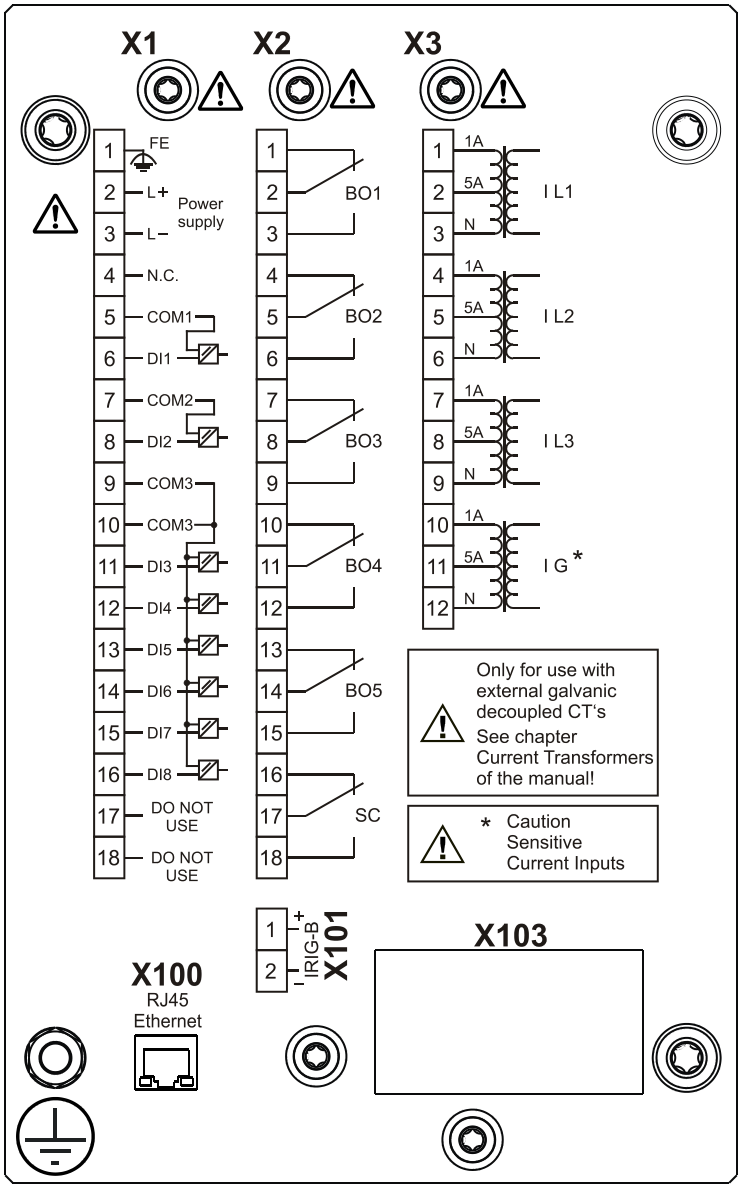
MRM4-2A1BGA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
connecting diagram see specification

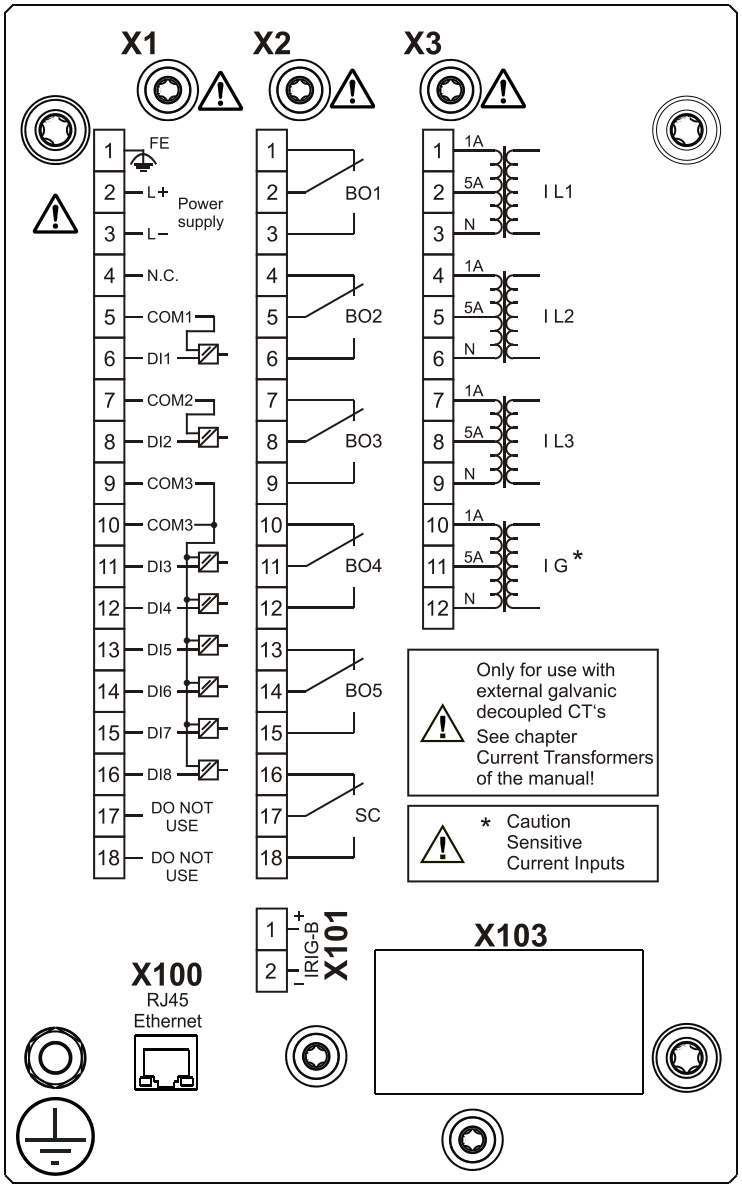
MRM4-2A1BGB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
IRIG-B
X101
X103
connecting diagram see specification

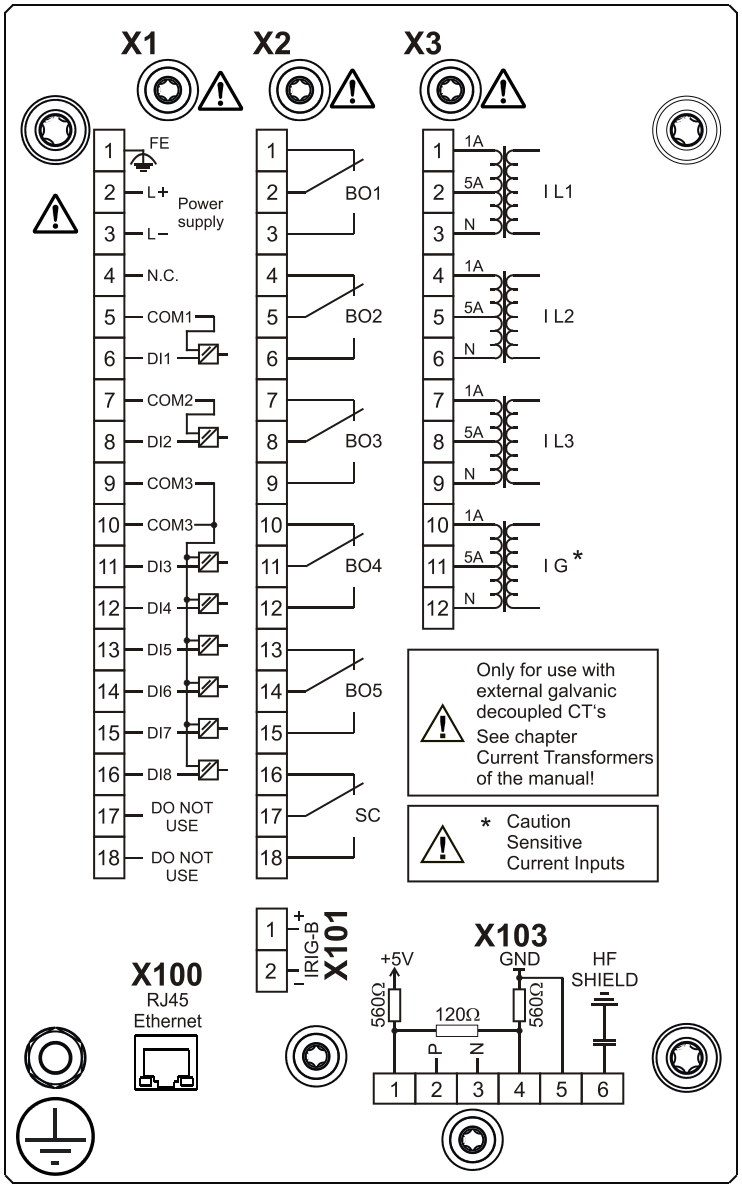
MRM4-2A1BHA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
1 +
2 –
IRIG-B
X101
X103

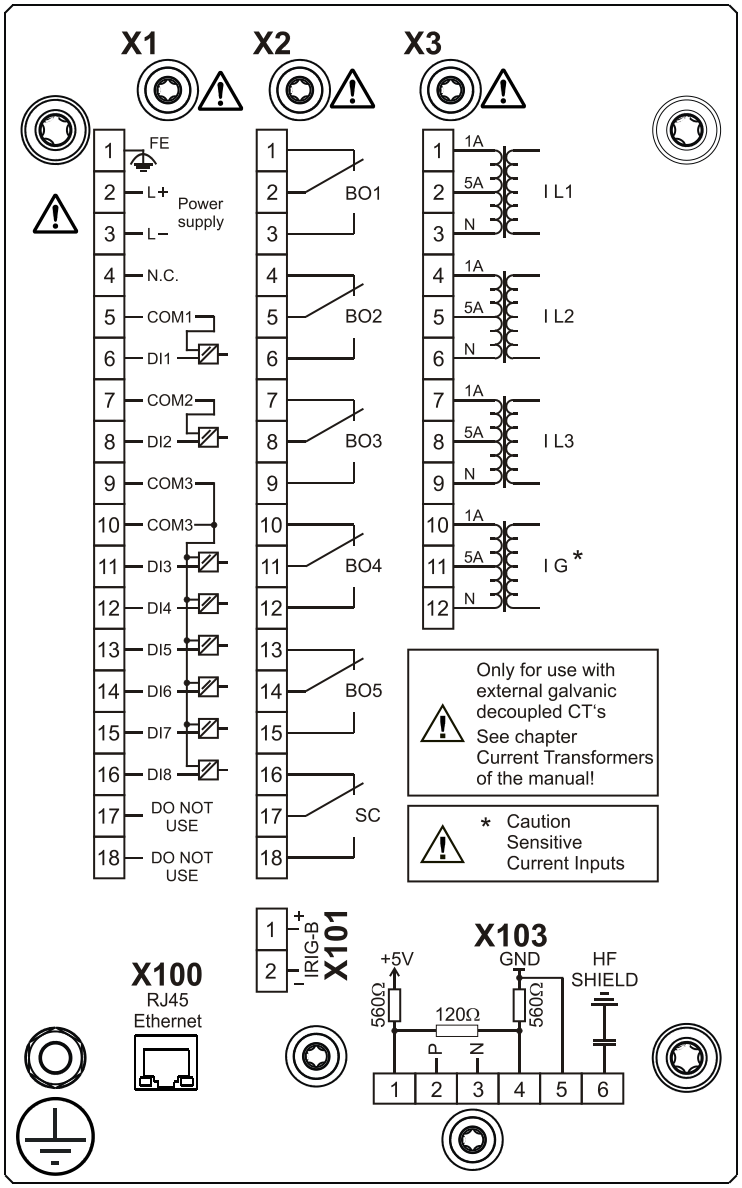
MRM4-2A1BHB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
1 +
2 –
IRIG-B
X101
X103

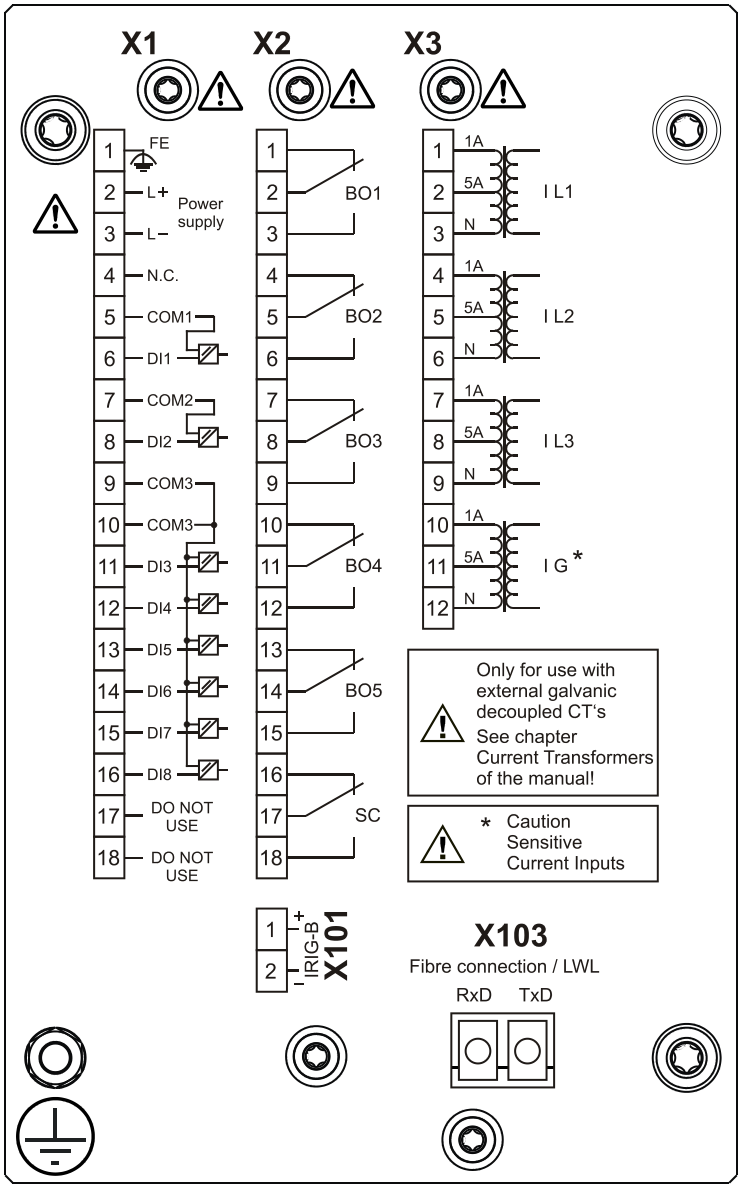
MRM4-2A1BIA


X1
X2
X3
1 FE
2 L+ Power supply
3 L–
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A 5A N I L1
1A 5A N I L2
1A 5A N I L3
1A 5A N I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X101
1 + IRIG-B
2 –
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

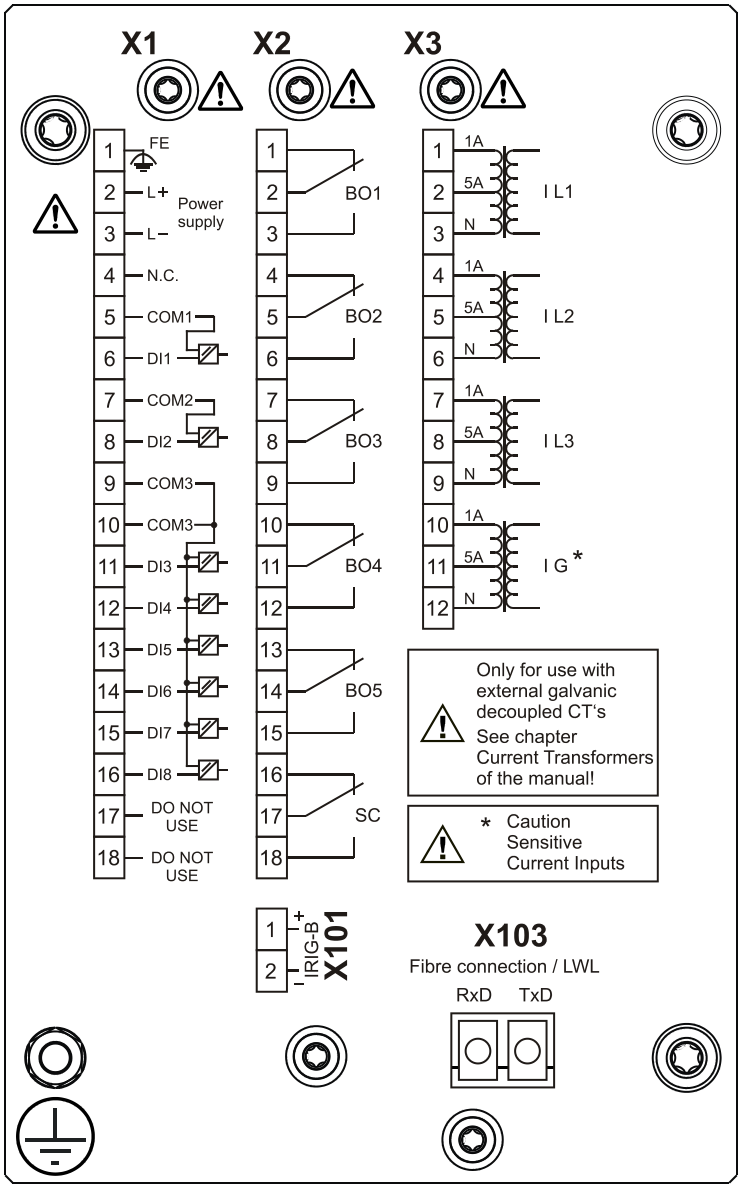
MRM4-2A1BIB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2
3
4 BO2
5
6
7 BO3
8
9
10 BO4
11
12
13 BO5
14
15
16 SC
17
18
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X101
1 +
2 –
IRIG-B
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

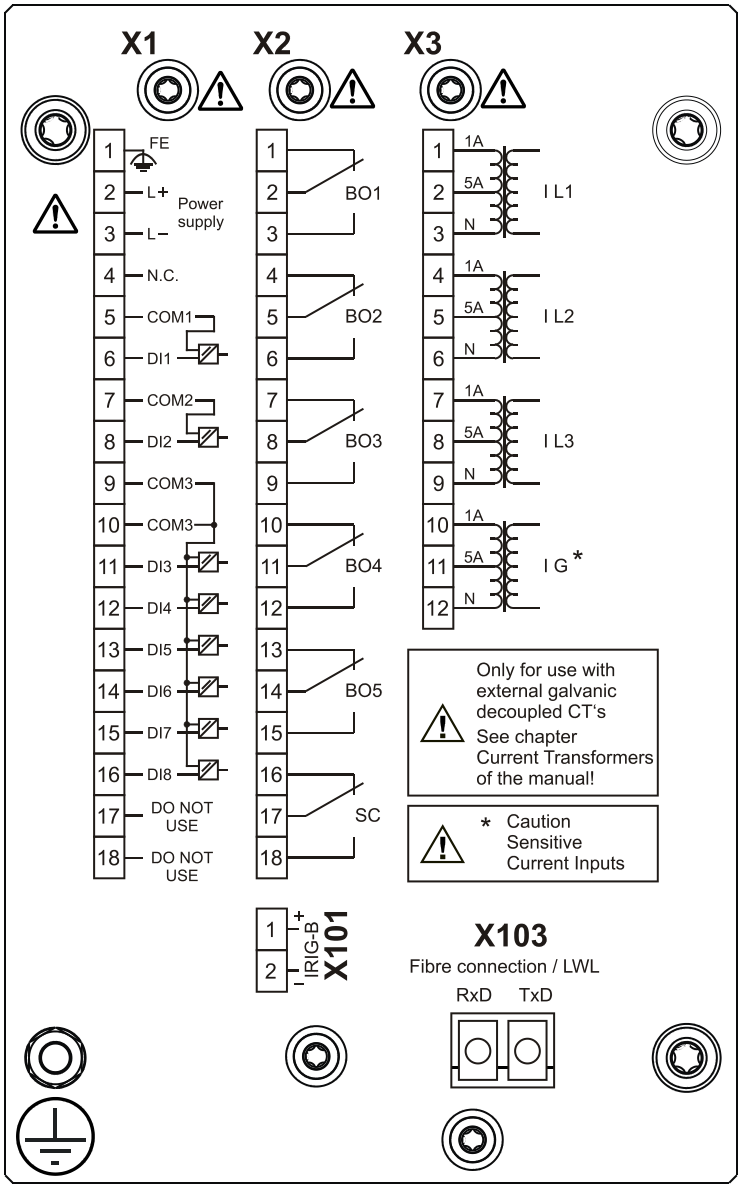
MRM4-2A1BKA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

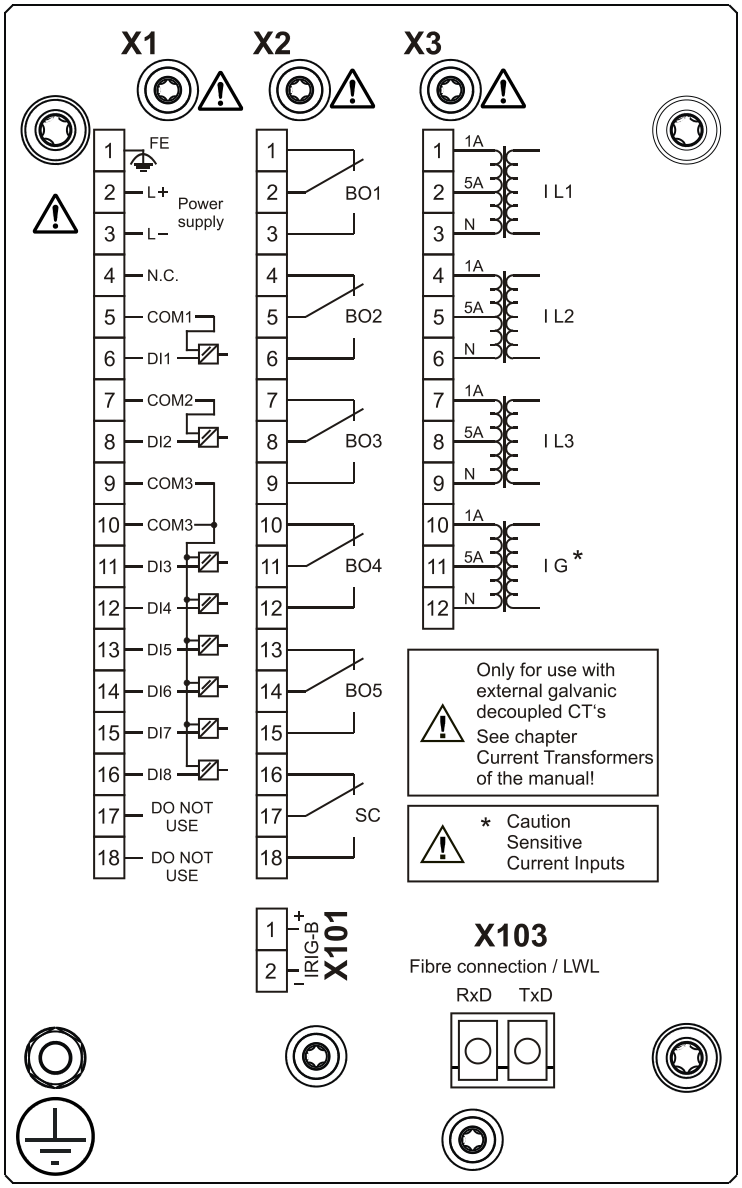
MRM4-2A1BKB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
1 +
2 –
IRIG-B
X101
X103
Fibre connection / LWL
RxD
TxD

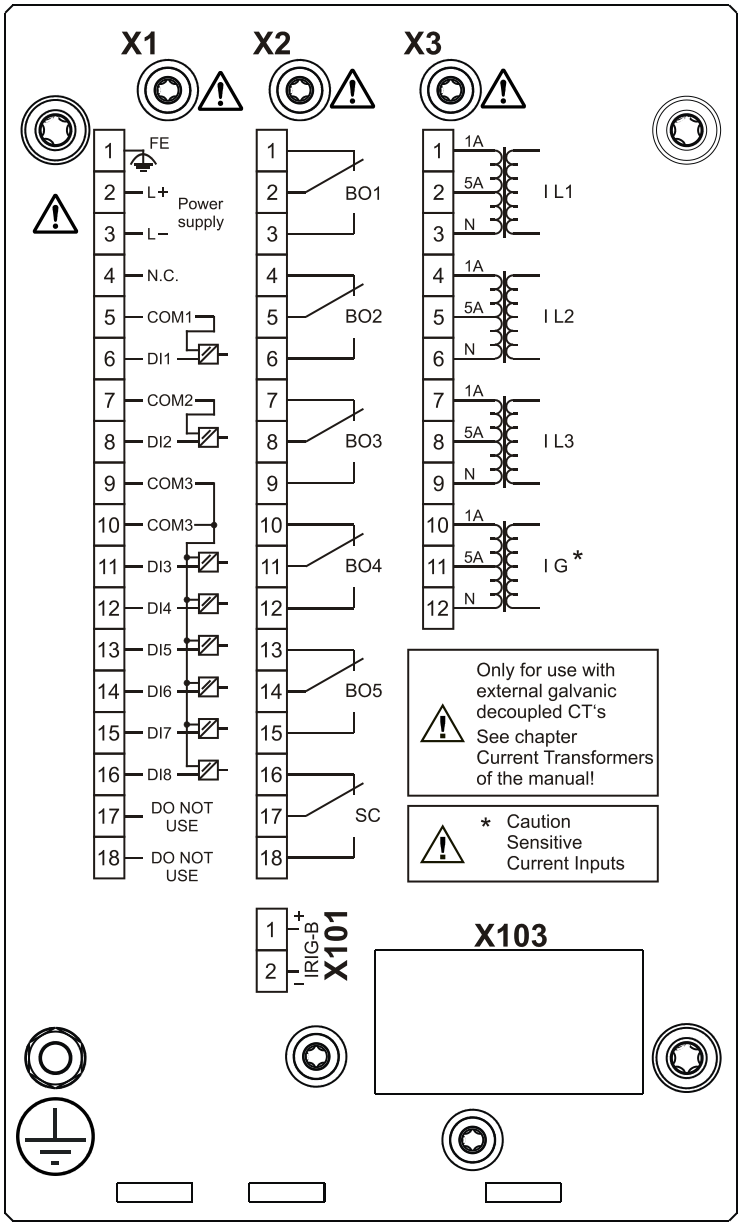
MRM4-2A1BLA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

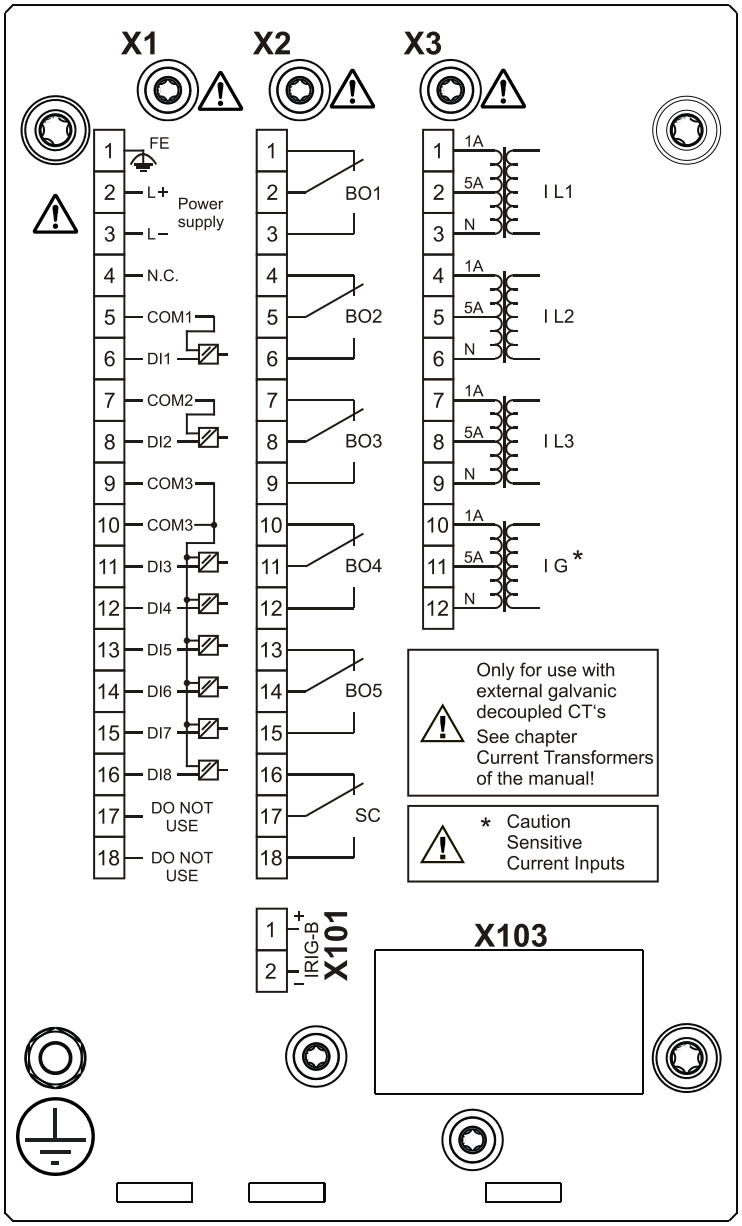
MRM4-2A1BLB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

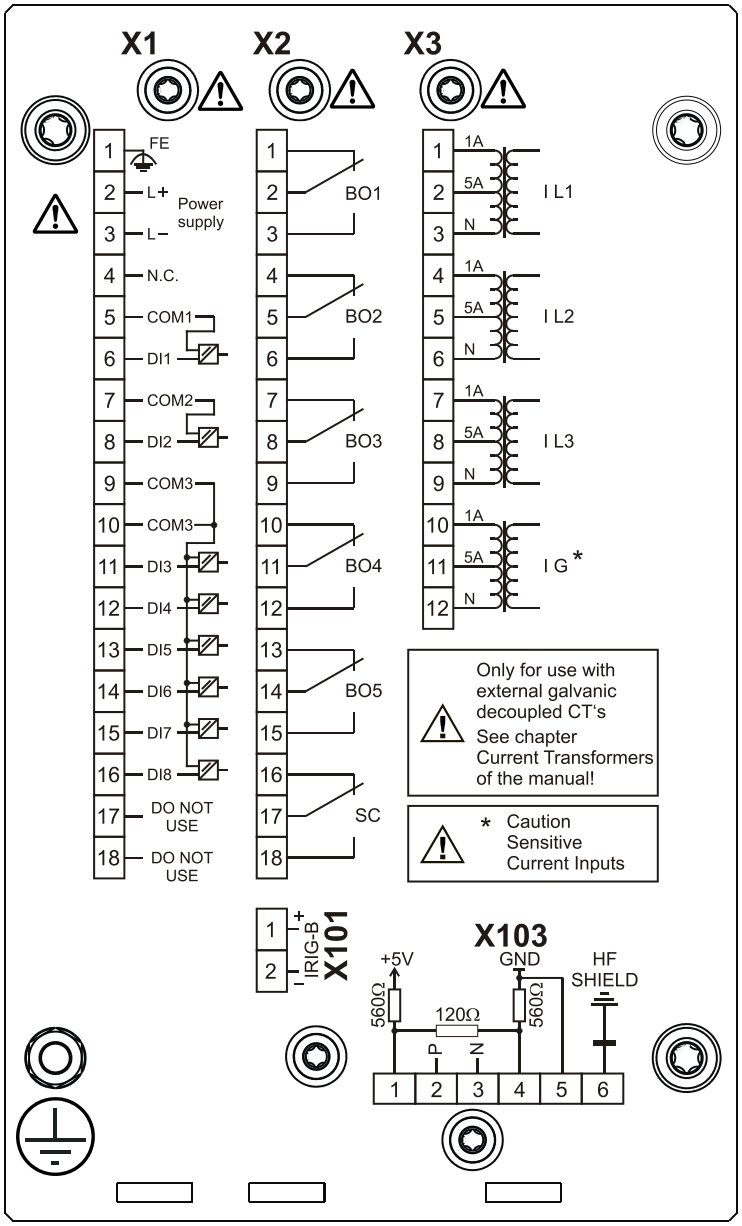
MRM4-2A1HAA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103

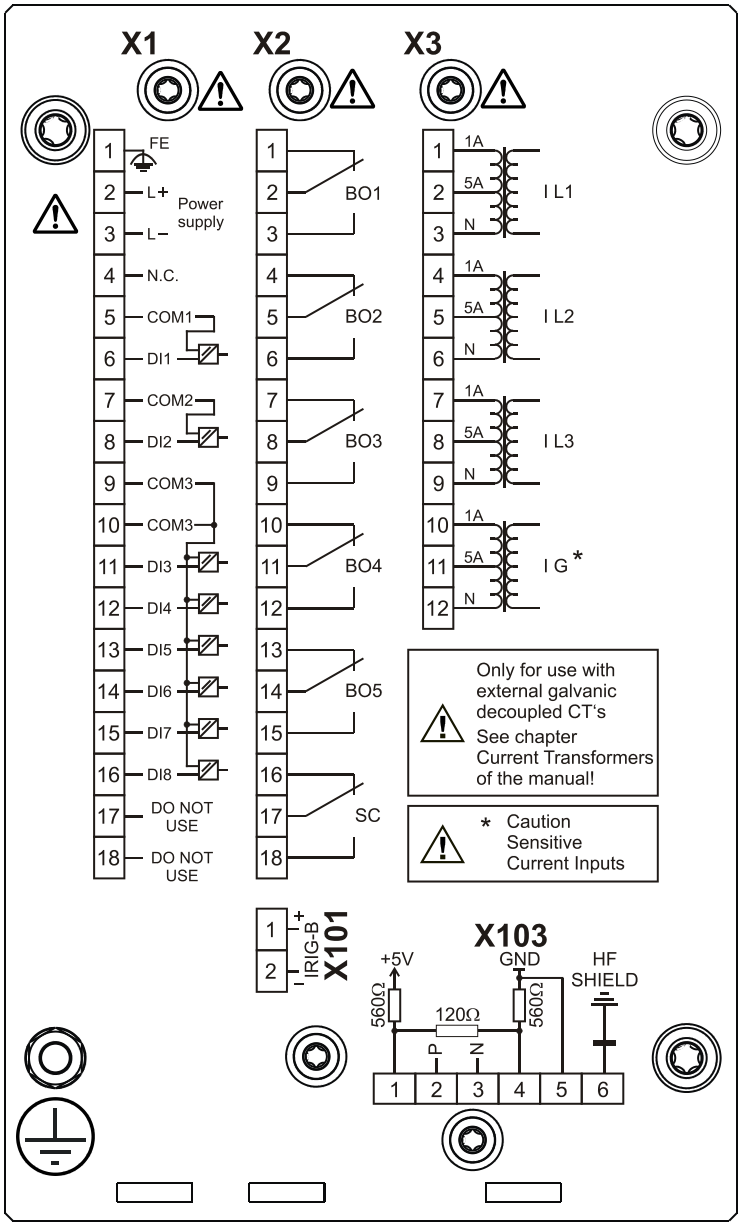
MRM4-2A1HAB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103

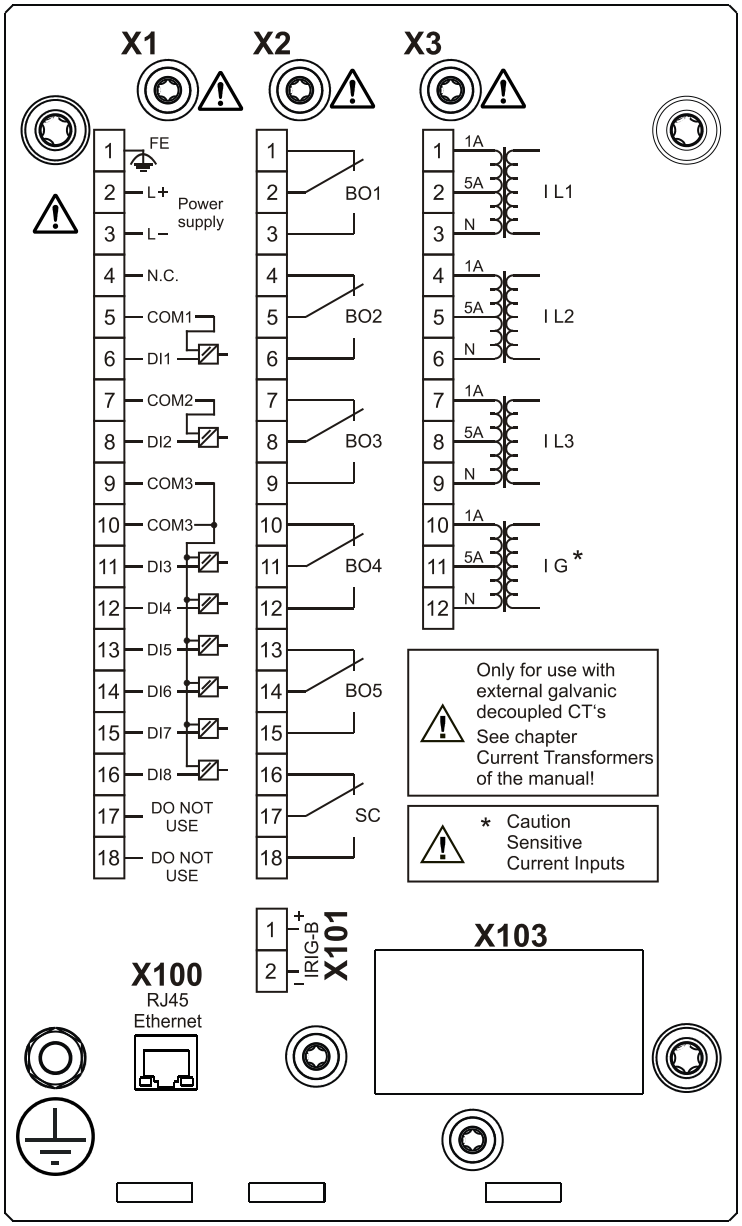
MRM4-2A1HBA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

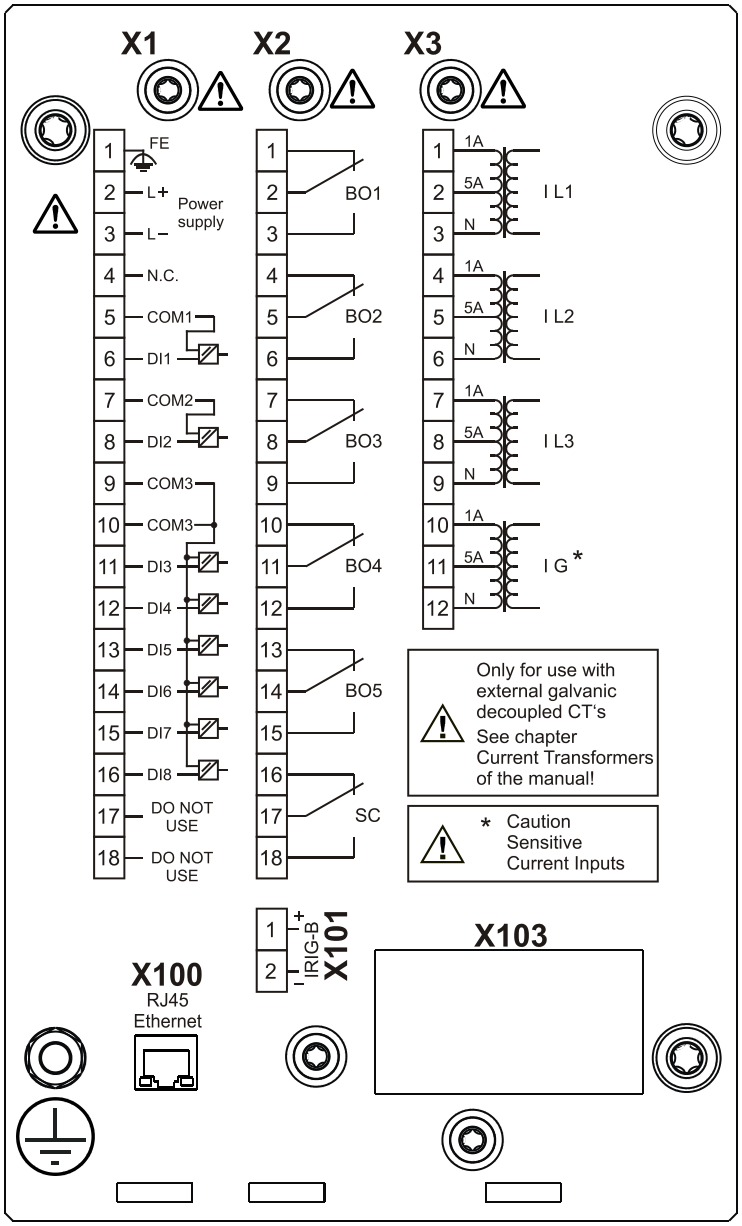
MRM4-2A1HBB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

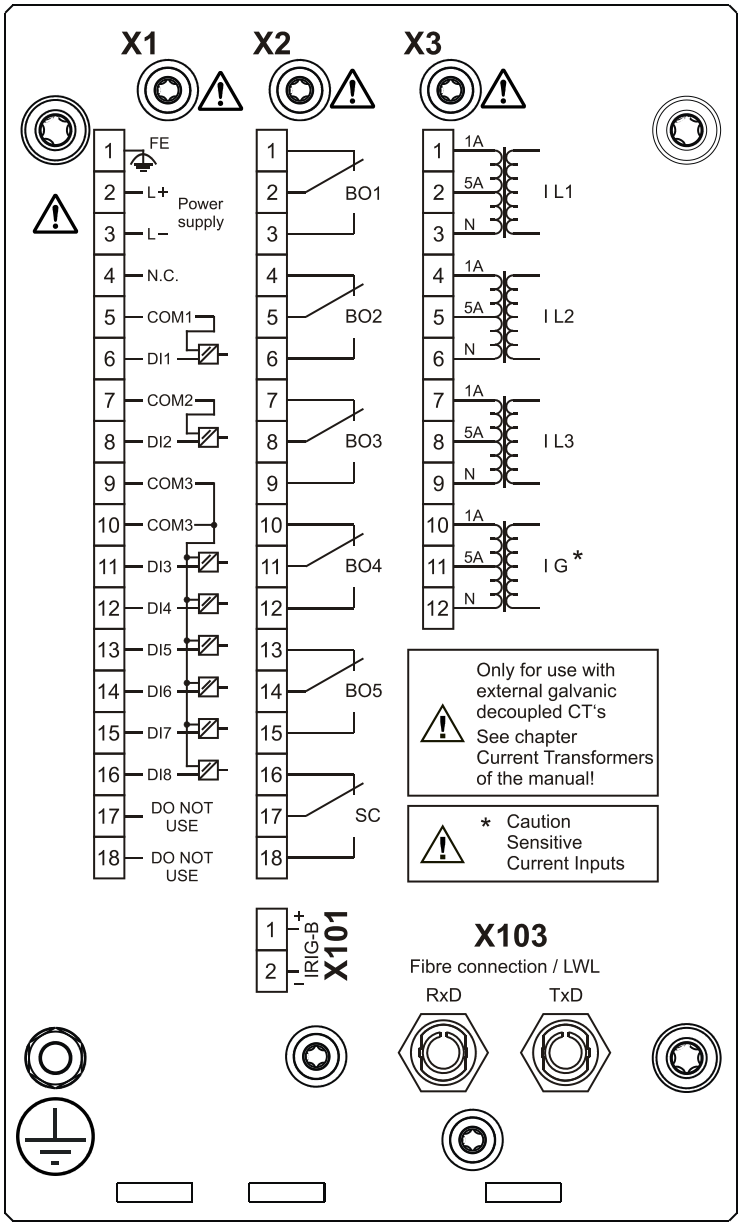
MRM4-2A1HCA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
1 +
2 –
IRIG-B
X101
X103

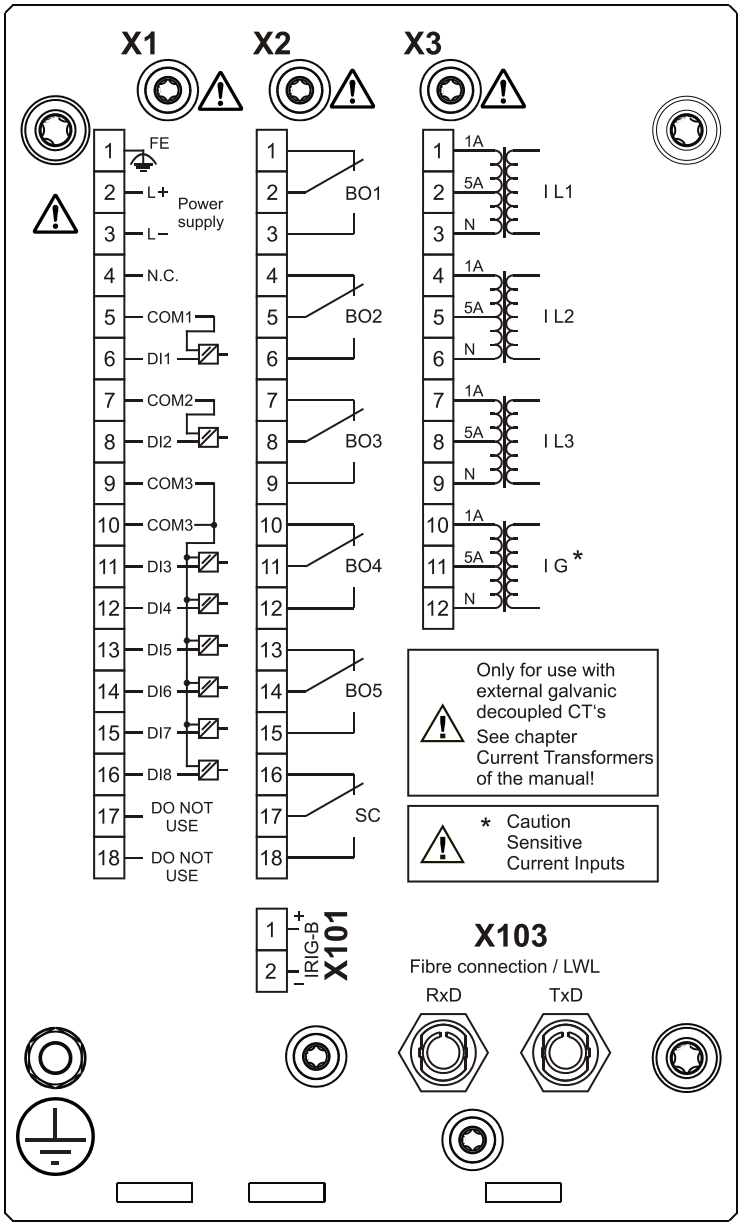
MRM4-2A1HCB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
1 +
2 –
IRIG-B
X100
RJ45
Ethernet
X103

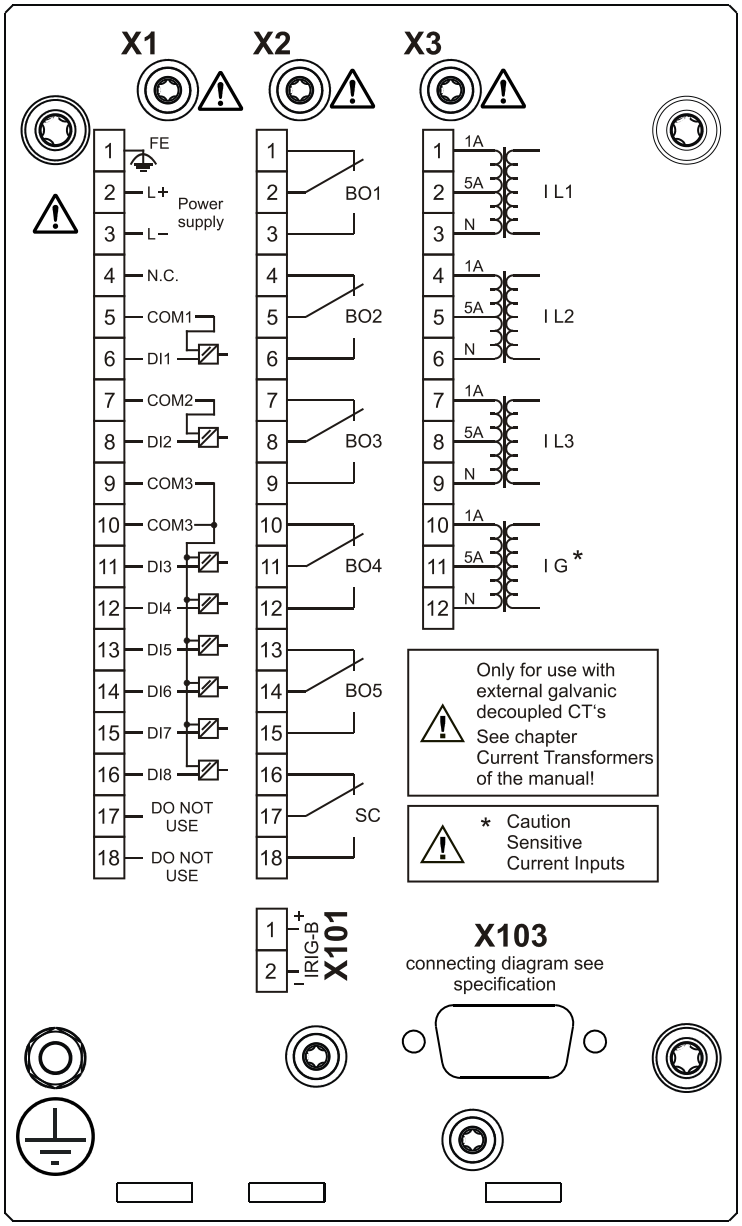
MRM4-2A1HDA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

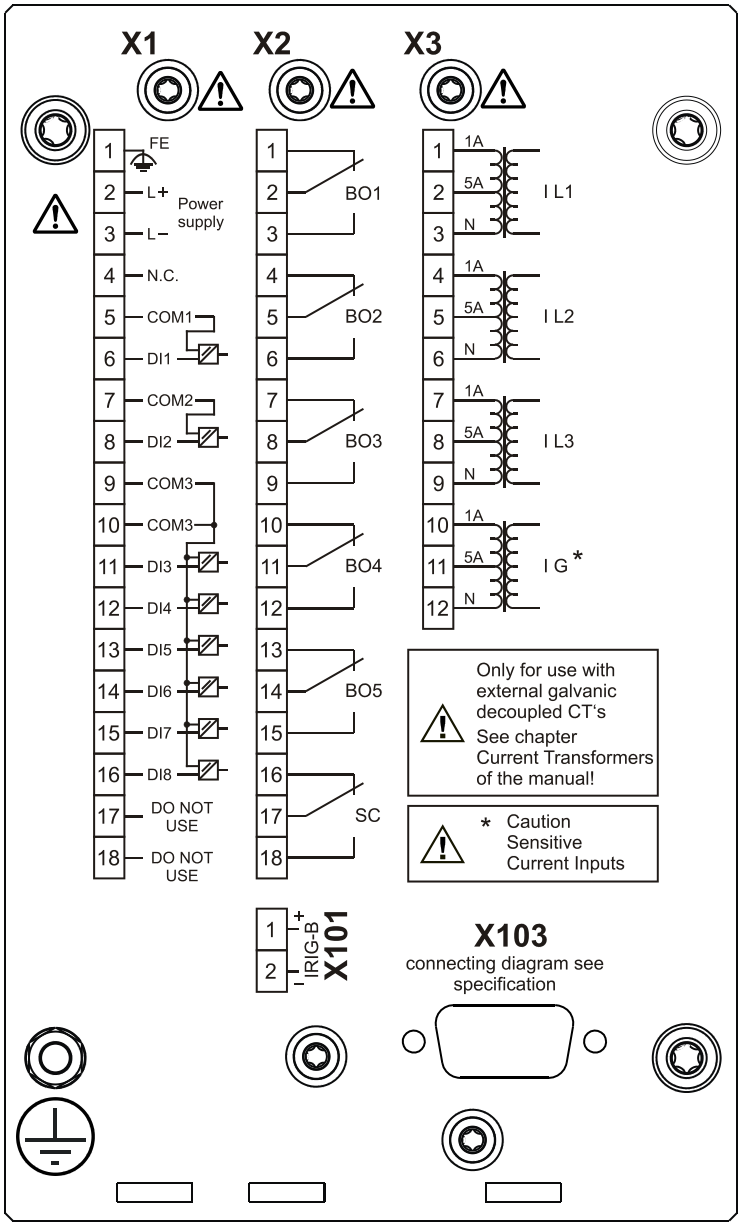
MRM4-2A1HDB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

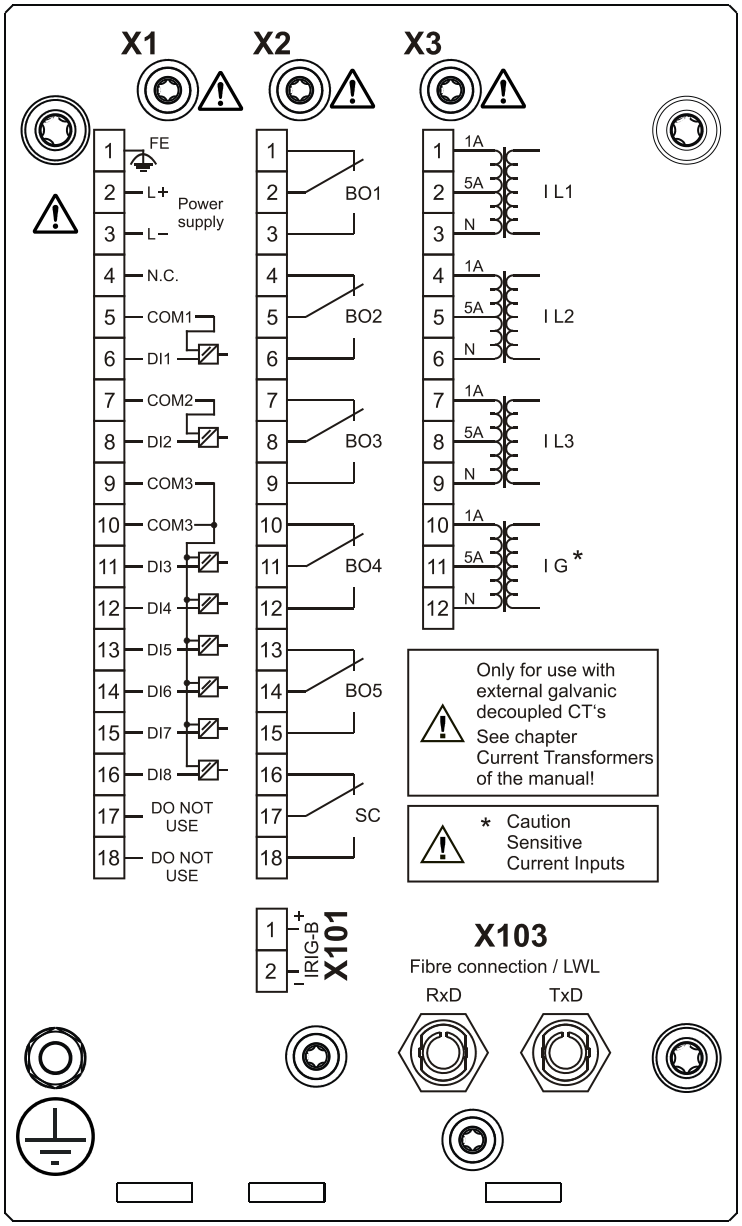
MRM4-2A1HEA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
connecting diagram see specification

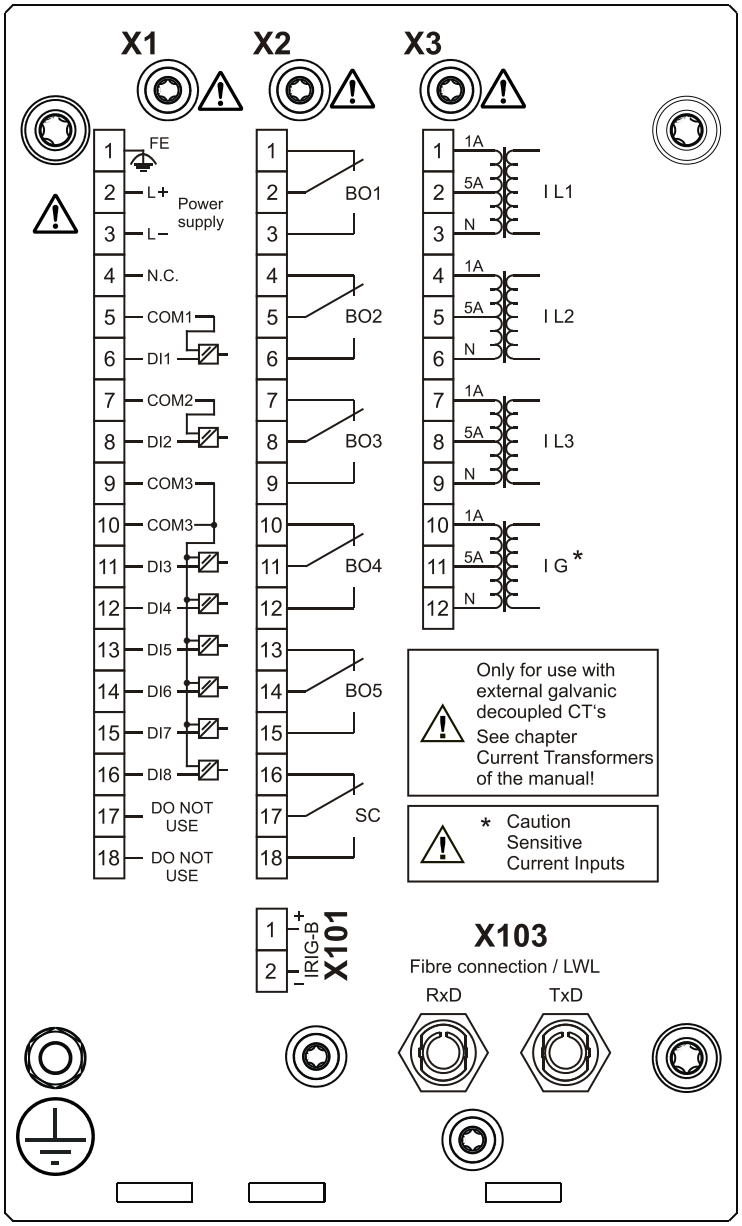
MRM4-2A1HEB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
+
–
X103
connecting diagram see specification

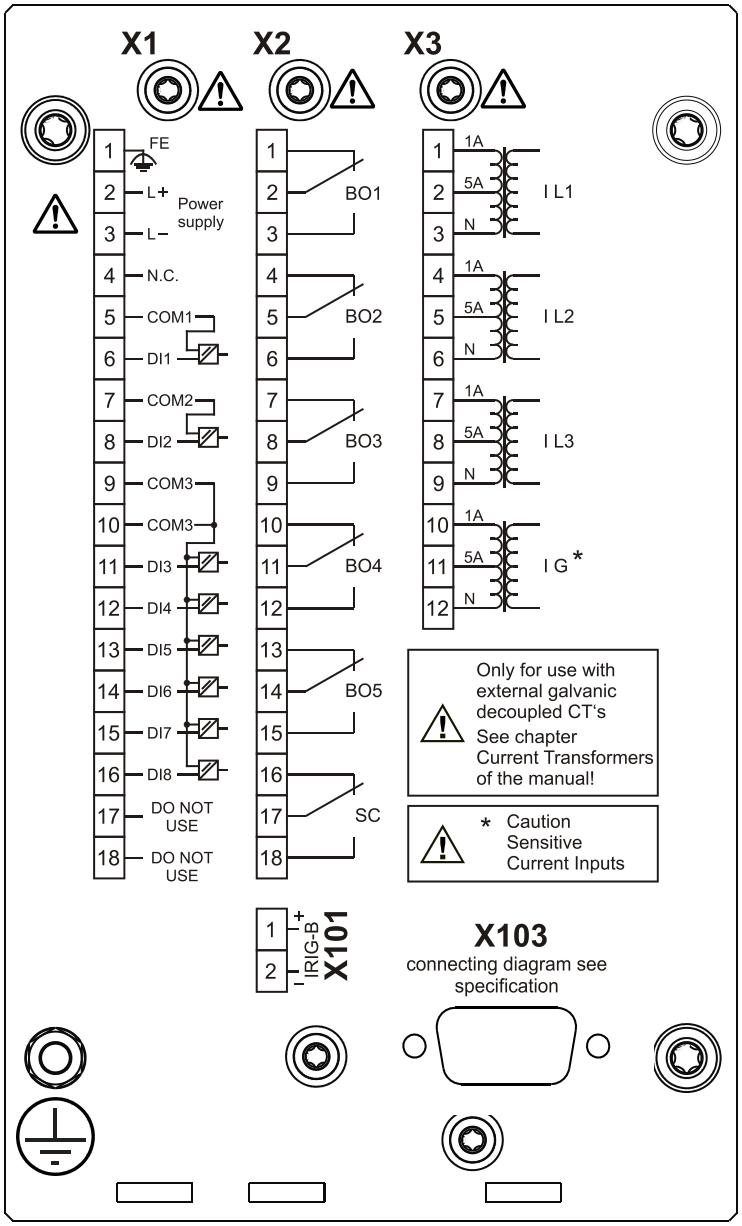
MRM4-2A1HFA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

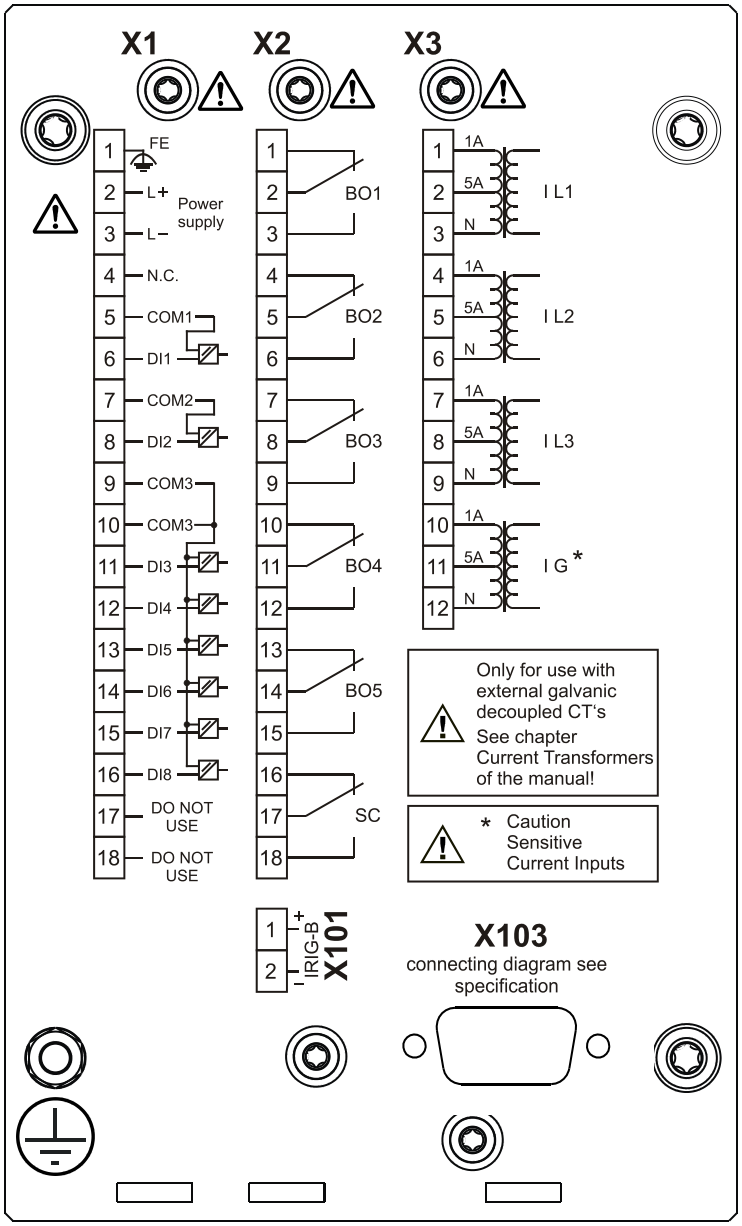
MRM4-2A1HFB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

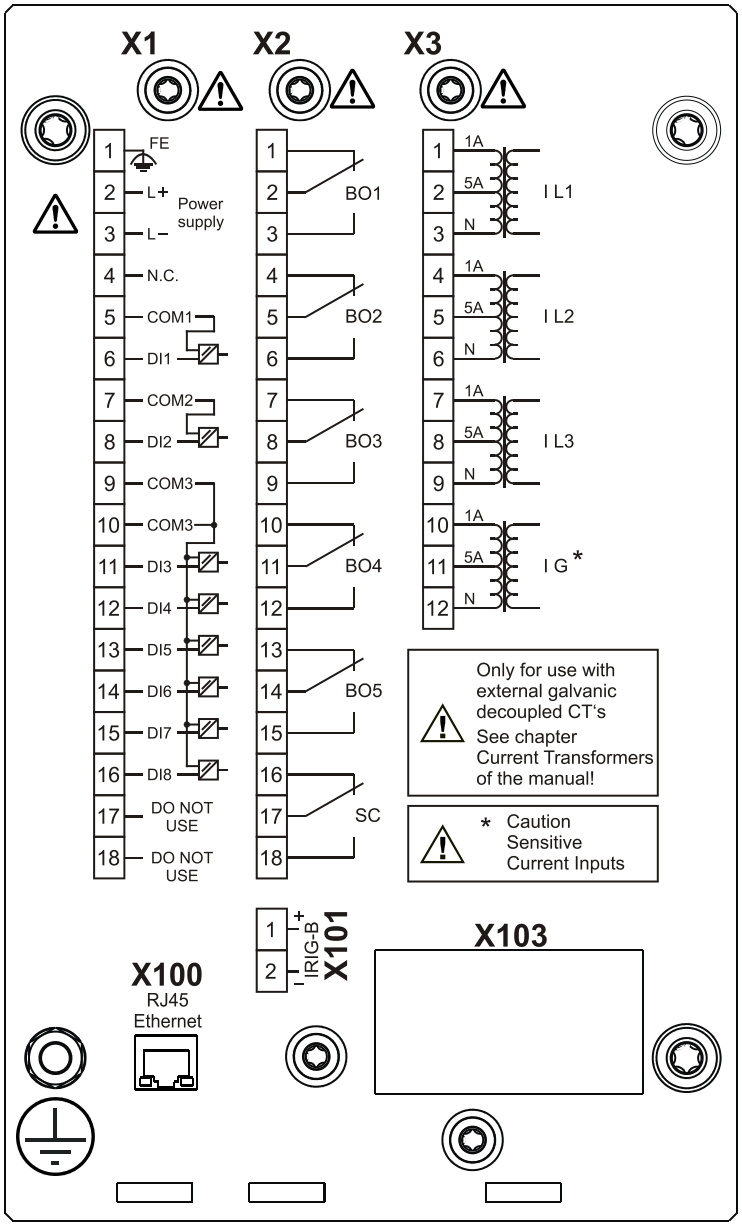
MRM4-2A1HGA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
connecting diagram see specification

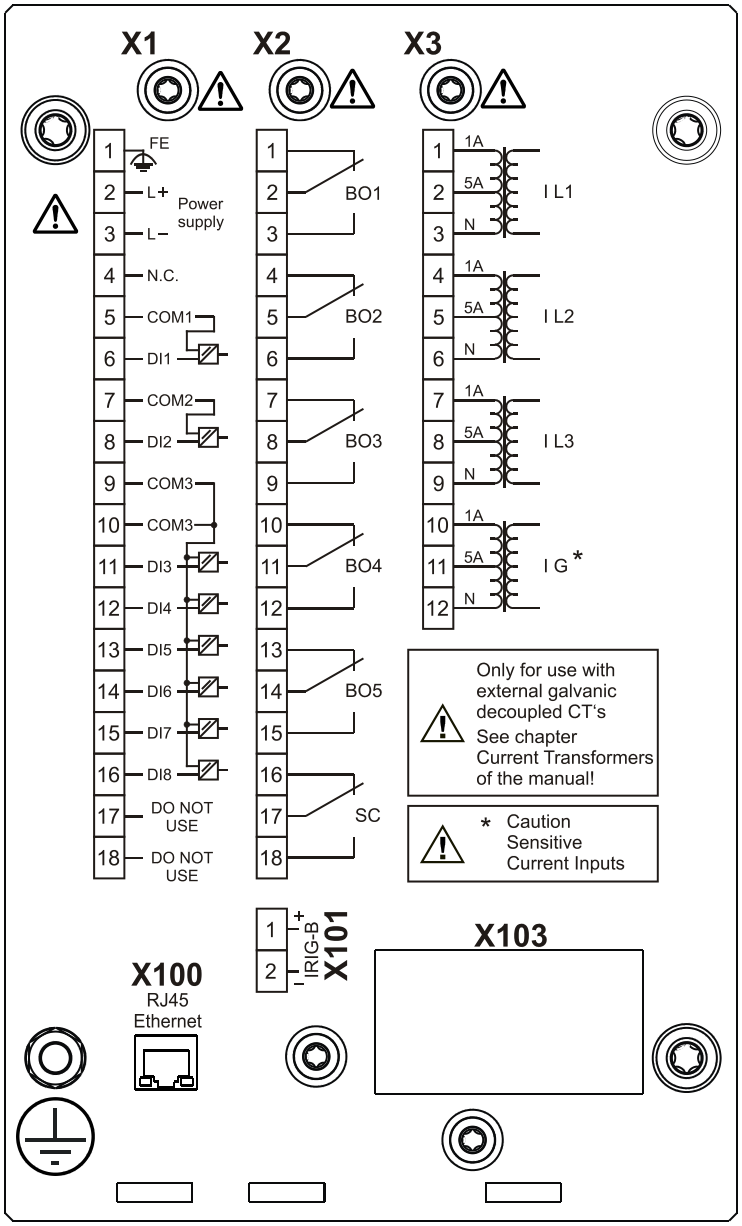
MRM4-2A1HGB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
+
–
X103
connecting diagram see specification

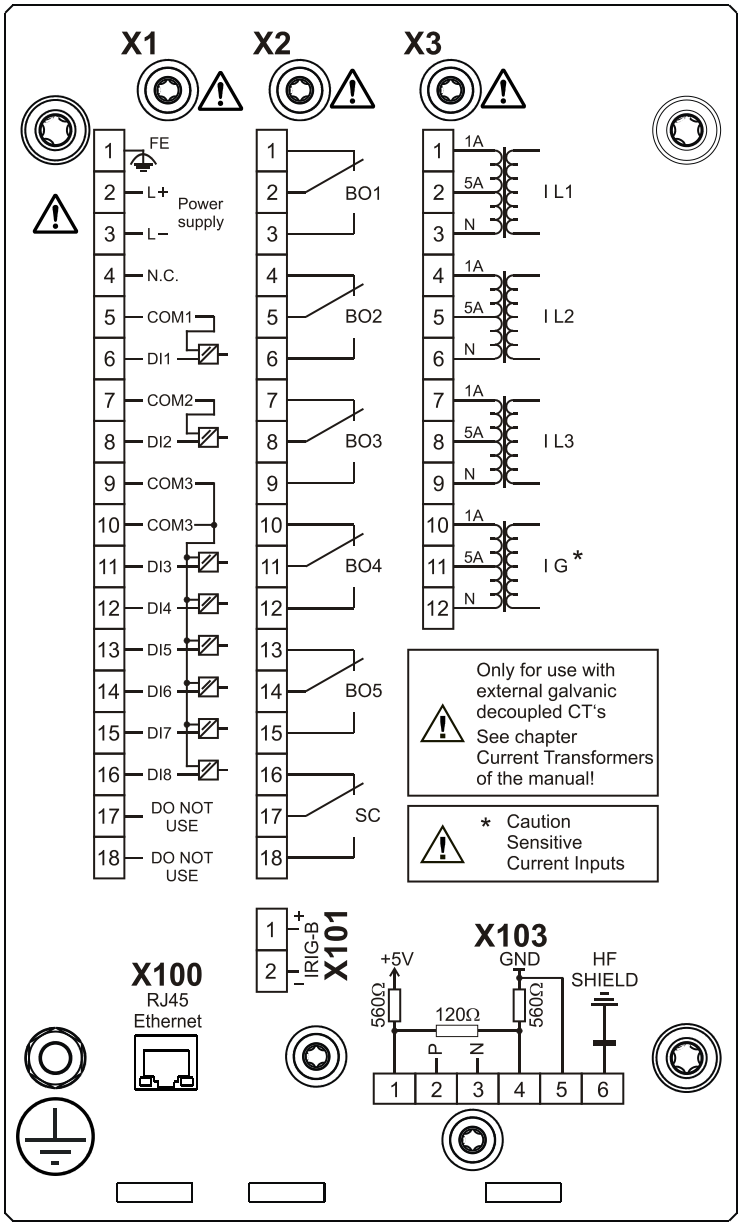
MRM4-2A1HHA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
1 +
2 –
IRIG-B
X100
RJ45
Ethernet
X103

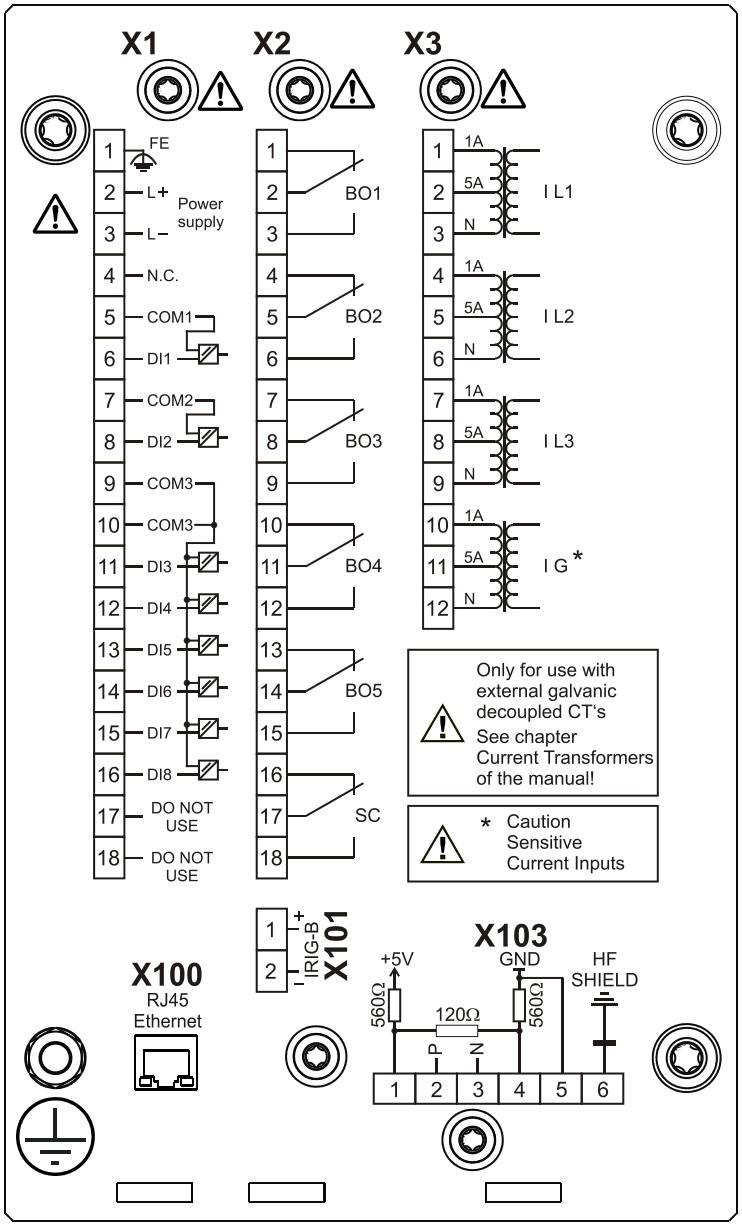
MRM4-2A1HHB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO1
3
4 BO2
5 BO2
6
7 BO3
8 BO3
9
10 BO4
11 BO4
12
13 BO5
14 BO5
15
16 SC
17 SC
18
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
1 +
2 –
IRIG-B
X101
X103

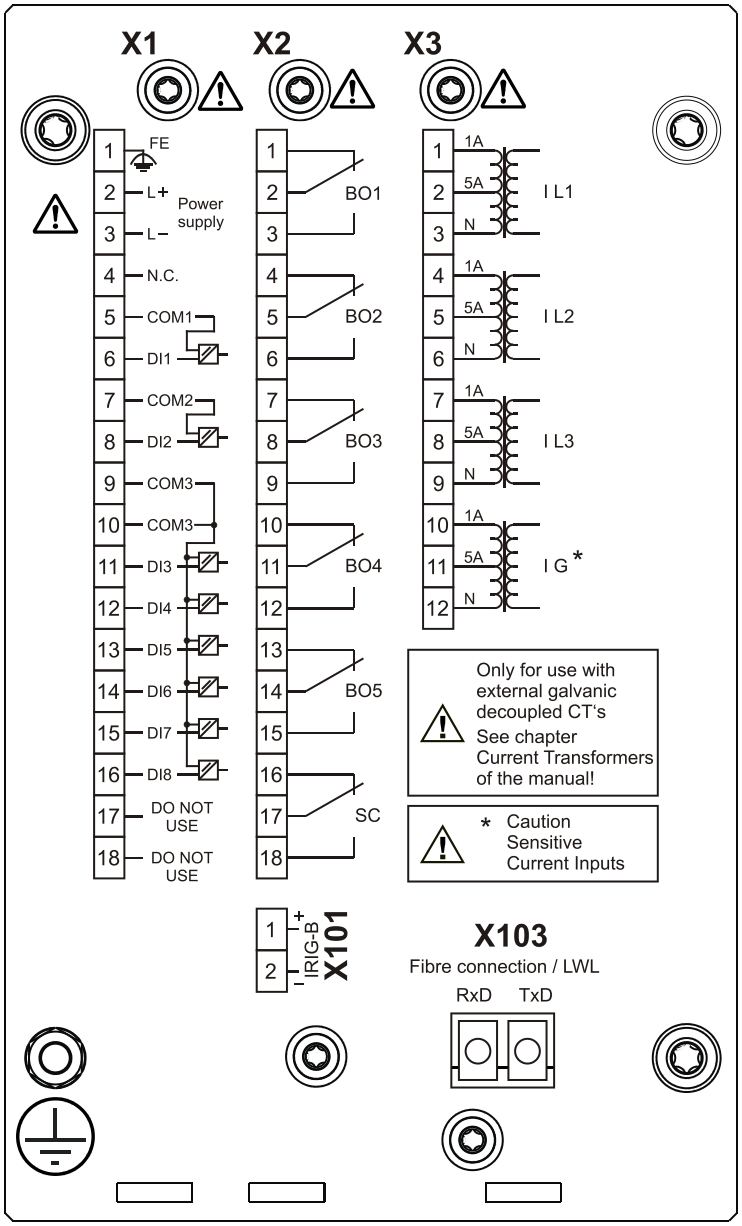
MRM4-2A1HIA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
1 BO1
2 BO2
3 BO3
4 BO4
5 BO5
6 SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X101
IRIG-B
+
–
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

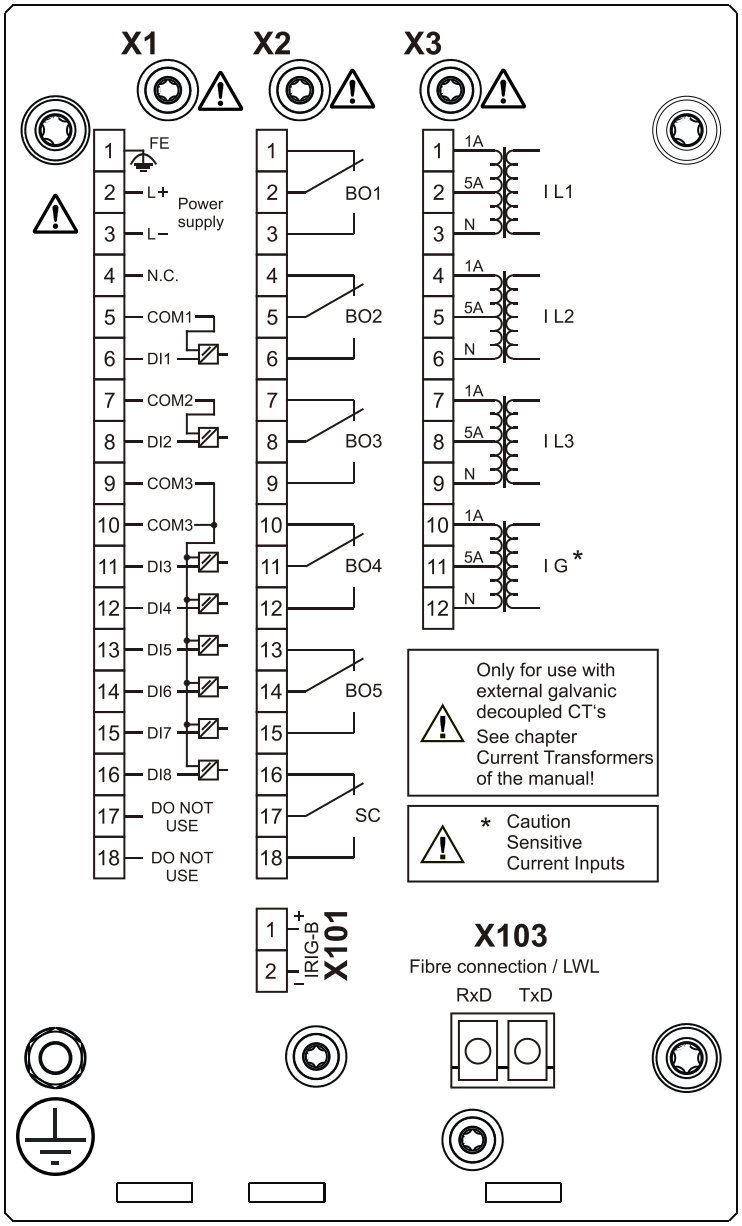
MRM4-2A1HIB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X101
IRIG-B
+
–
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

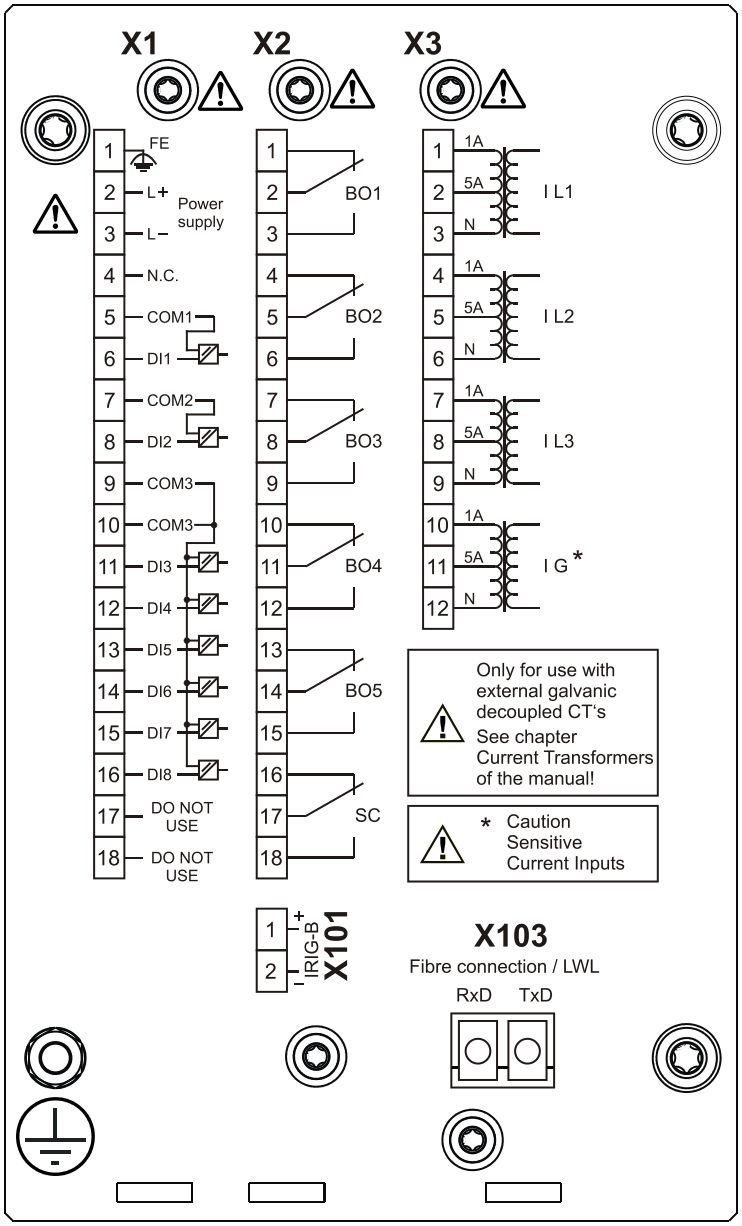
MRM4-2A1HKA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

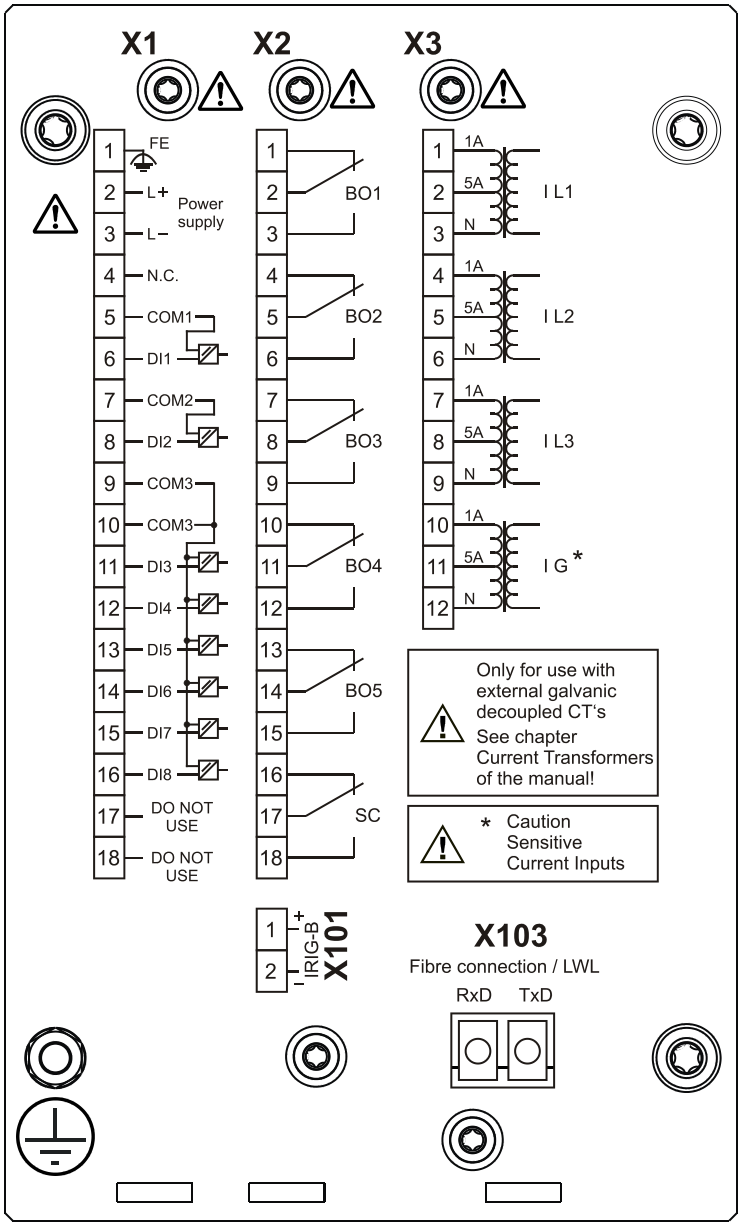
MRM4-2A1HKB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

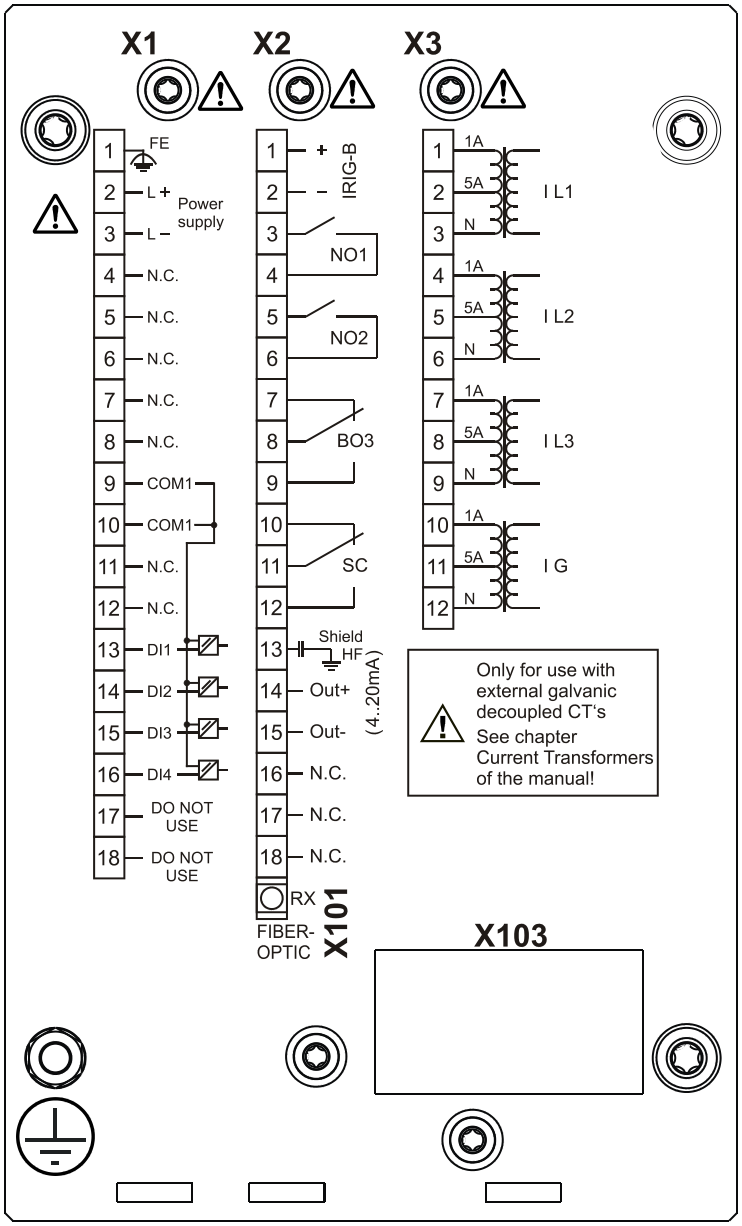
MRM4-2A1HLA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

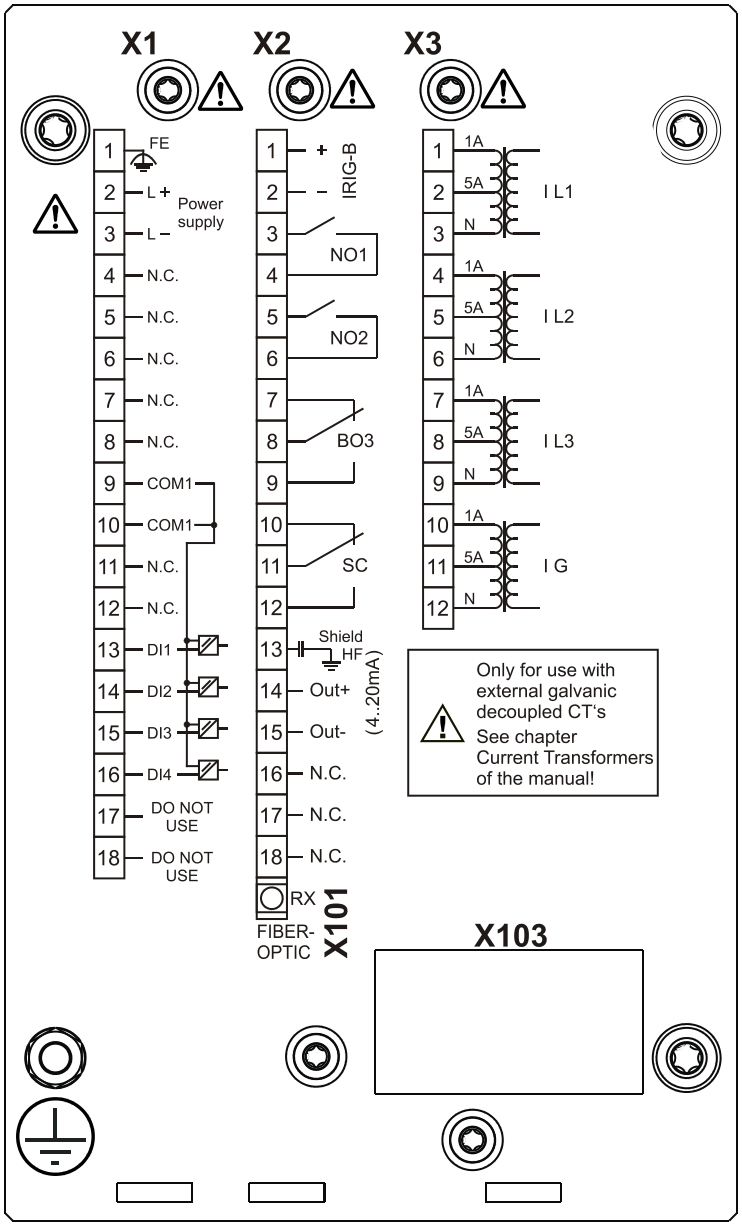
MRM4-2A1HLB


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 COM1
6 DI1
7 COM2
8 DI2
9 COM3
10 COM3
11 DI3
12 DI4
13 DI5
14 DI6
15 DI7
16 DI8
17 DO NOT USE
18 DO NOT USE
BO1
BO2
BO3
BO4
BO5
SC
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X101
IRIG-B
X103
Fibre connection / LWL
RxD
TxD

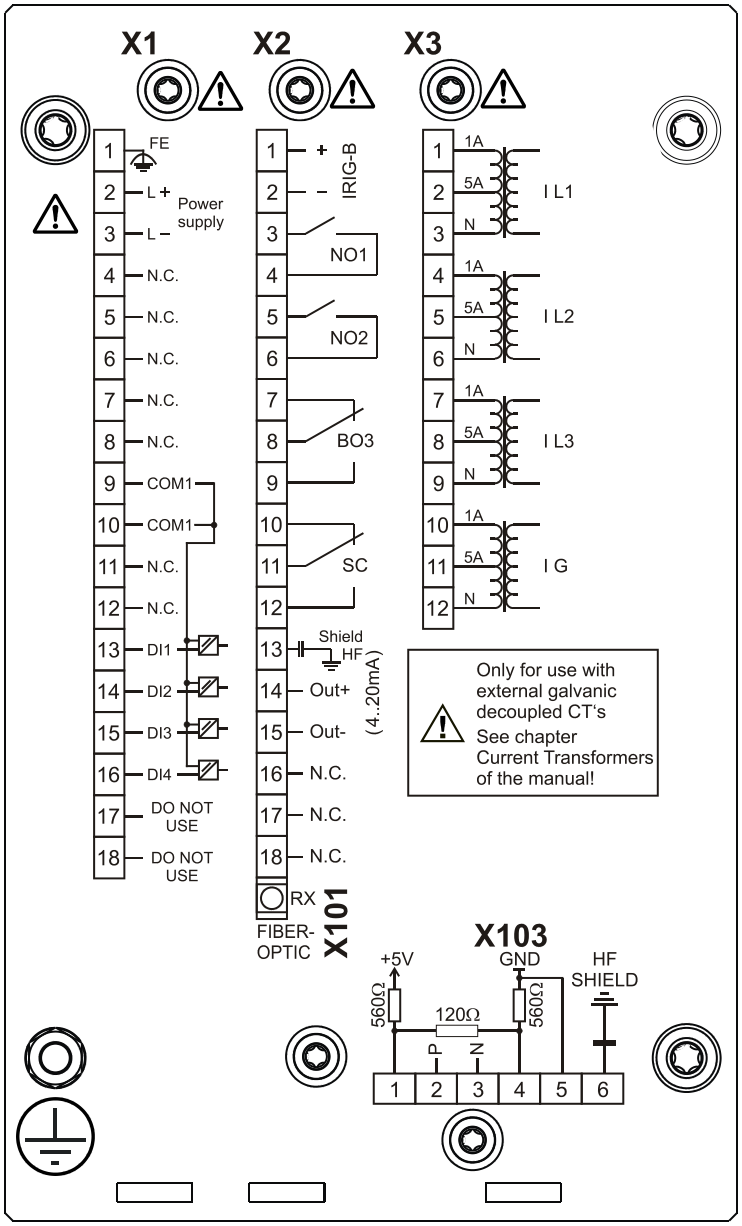
MRM4-2B0AAA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103

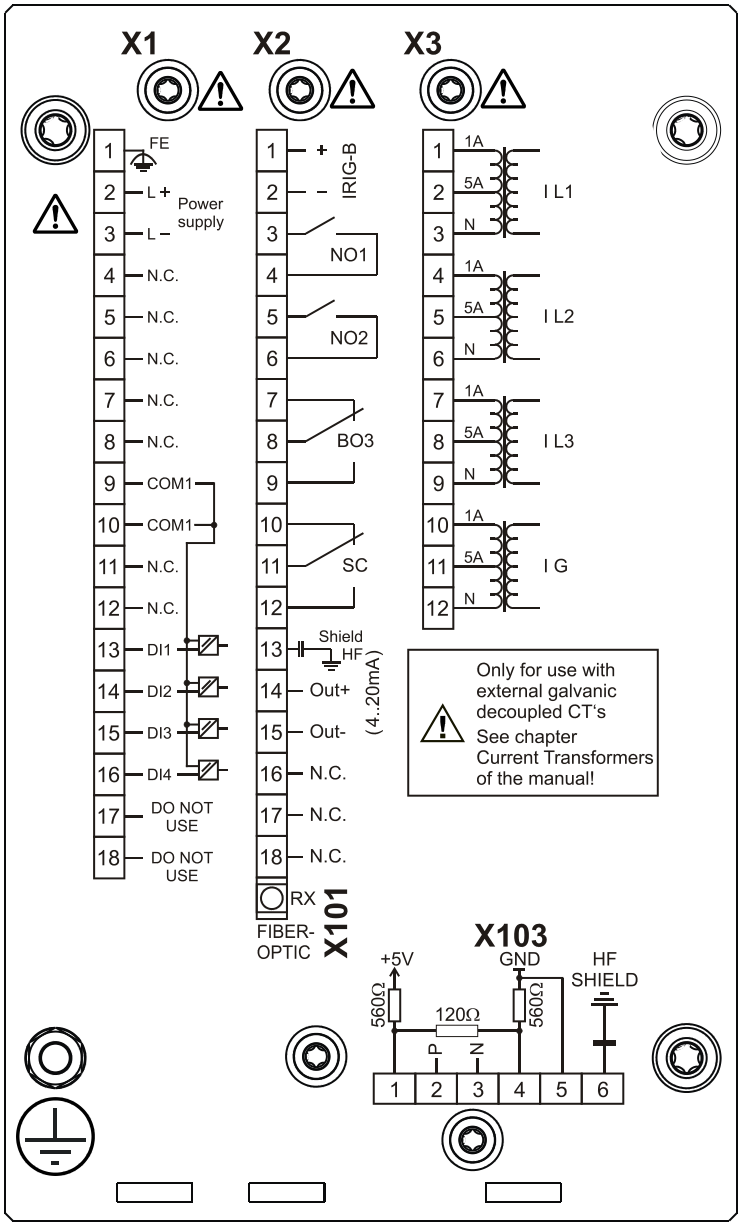
MRM4-2B0AAB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103

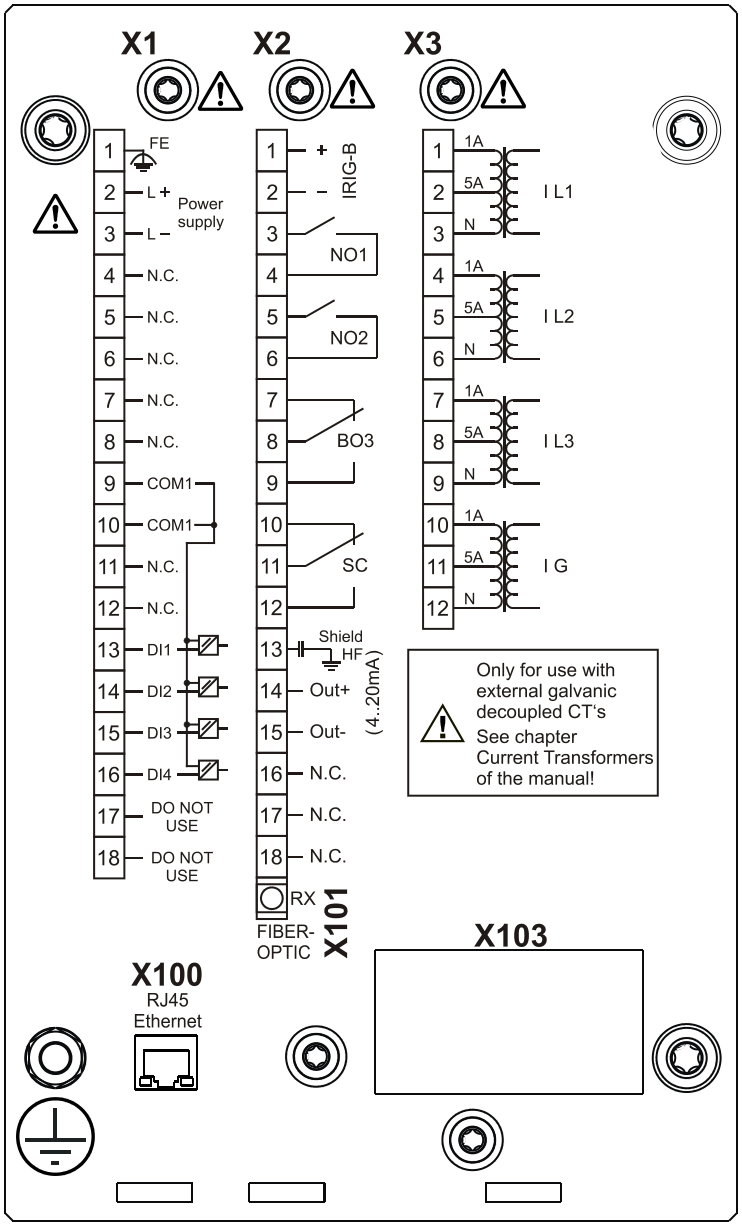
MRM4-2B0ABA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

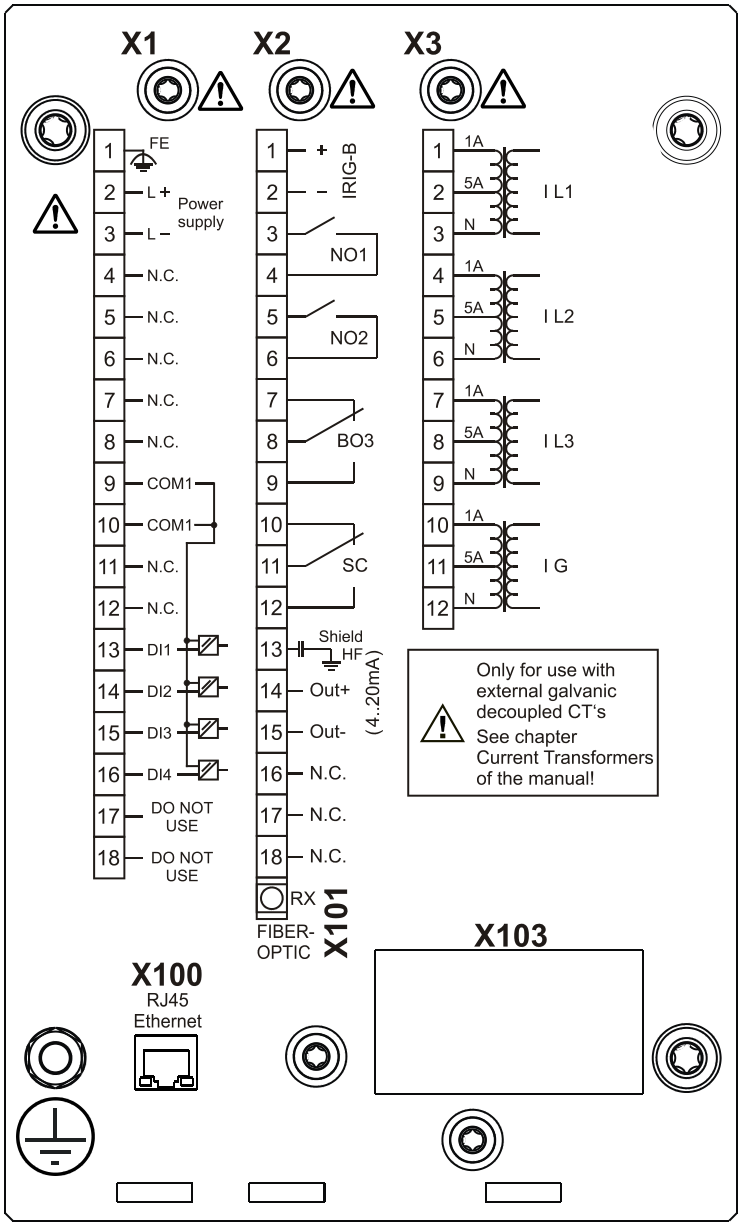
MRM4-2B0ABB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

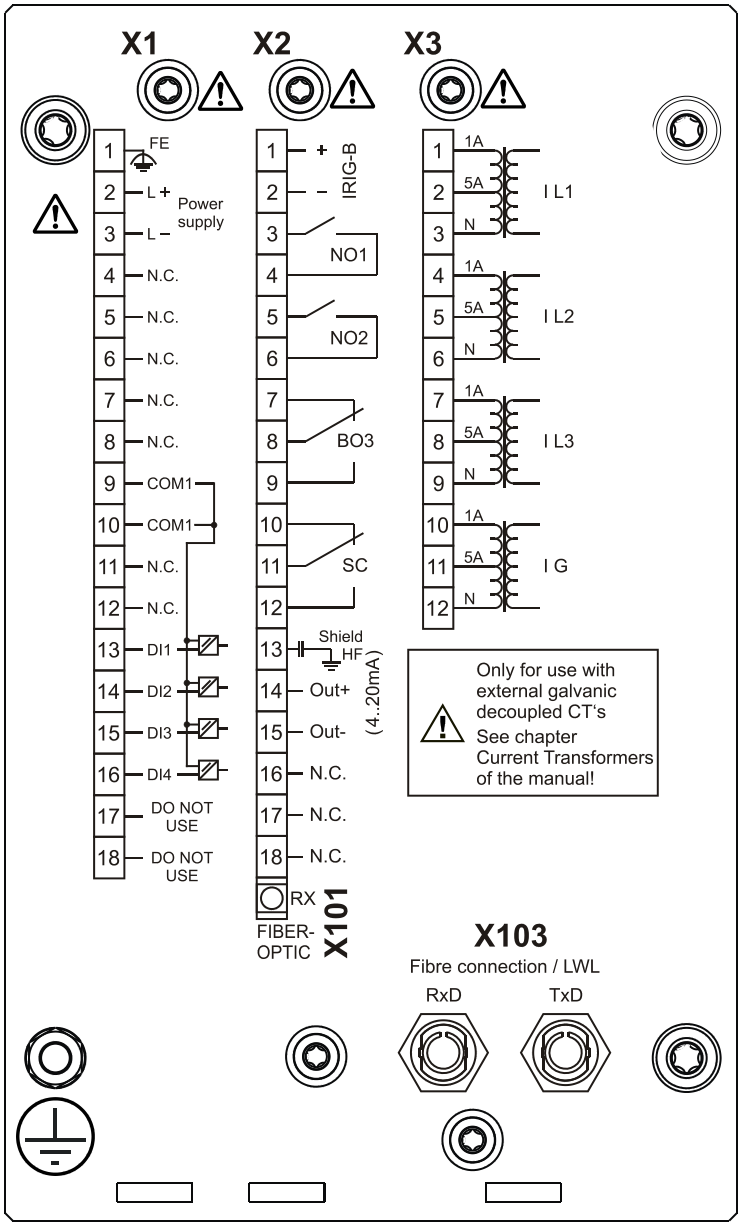
MRM4-2B0ACA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X103

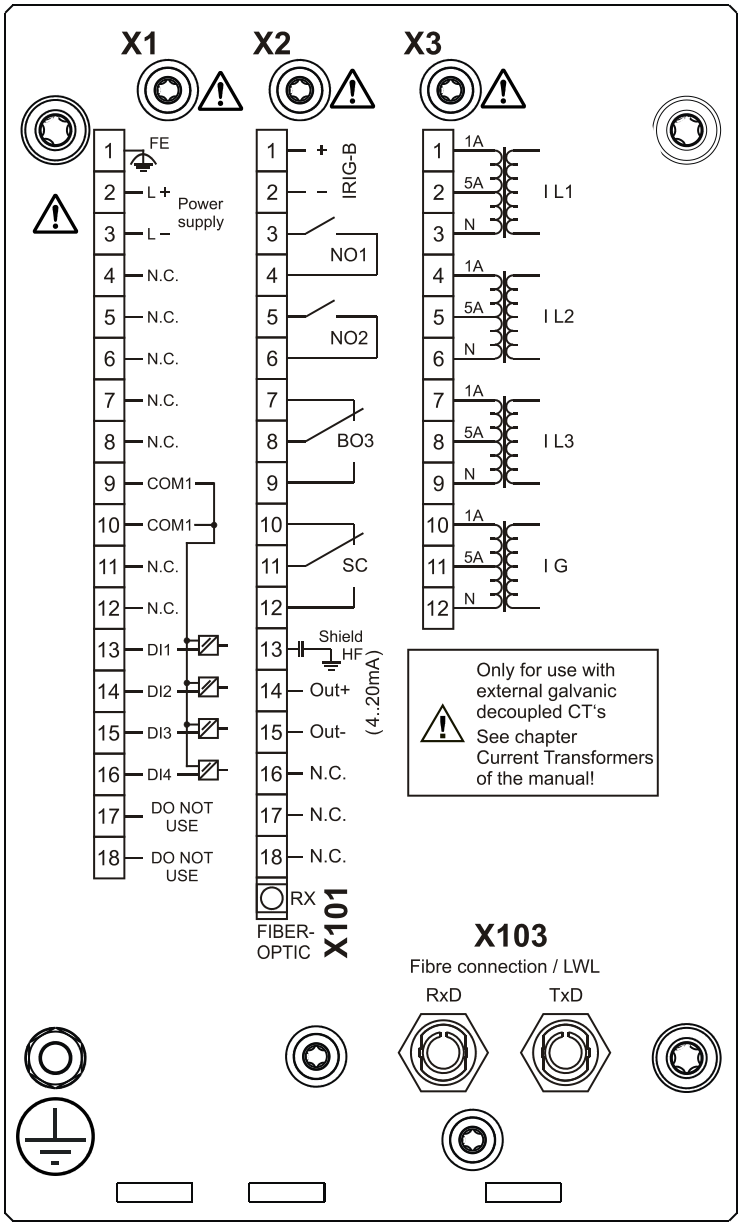
MRM4-2B0ACB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X103

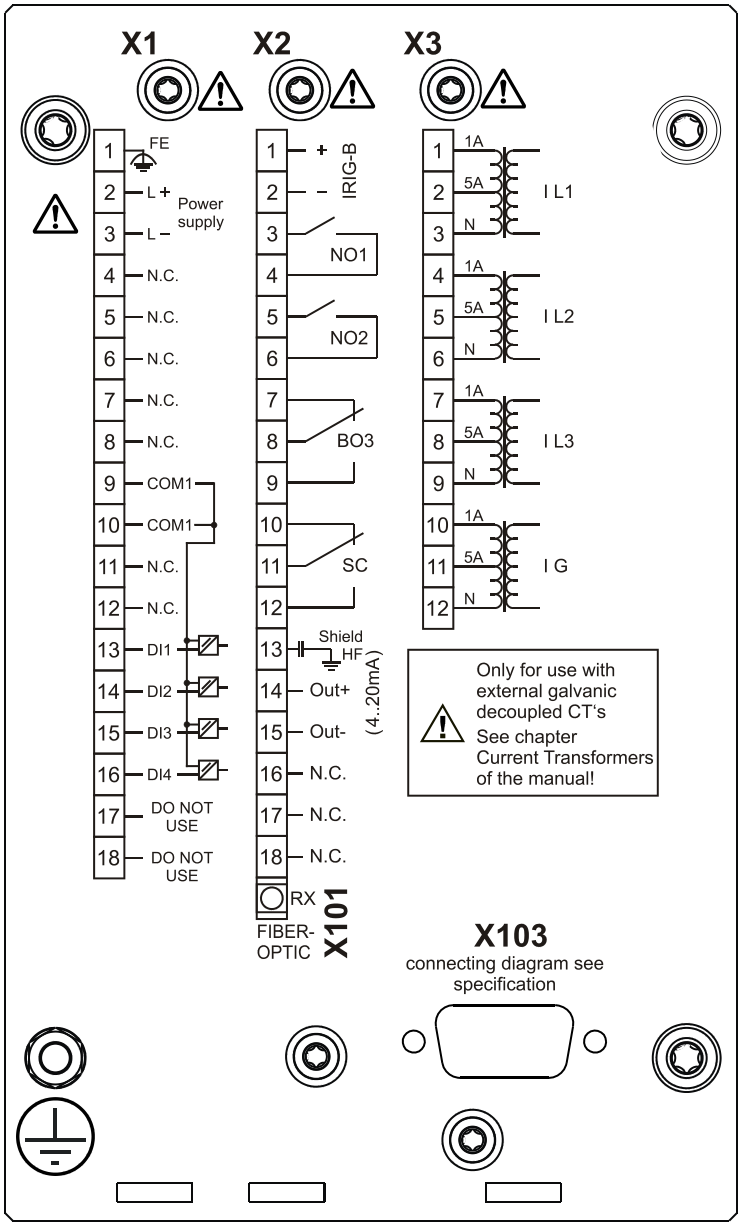
MRM4-2B0ADA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

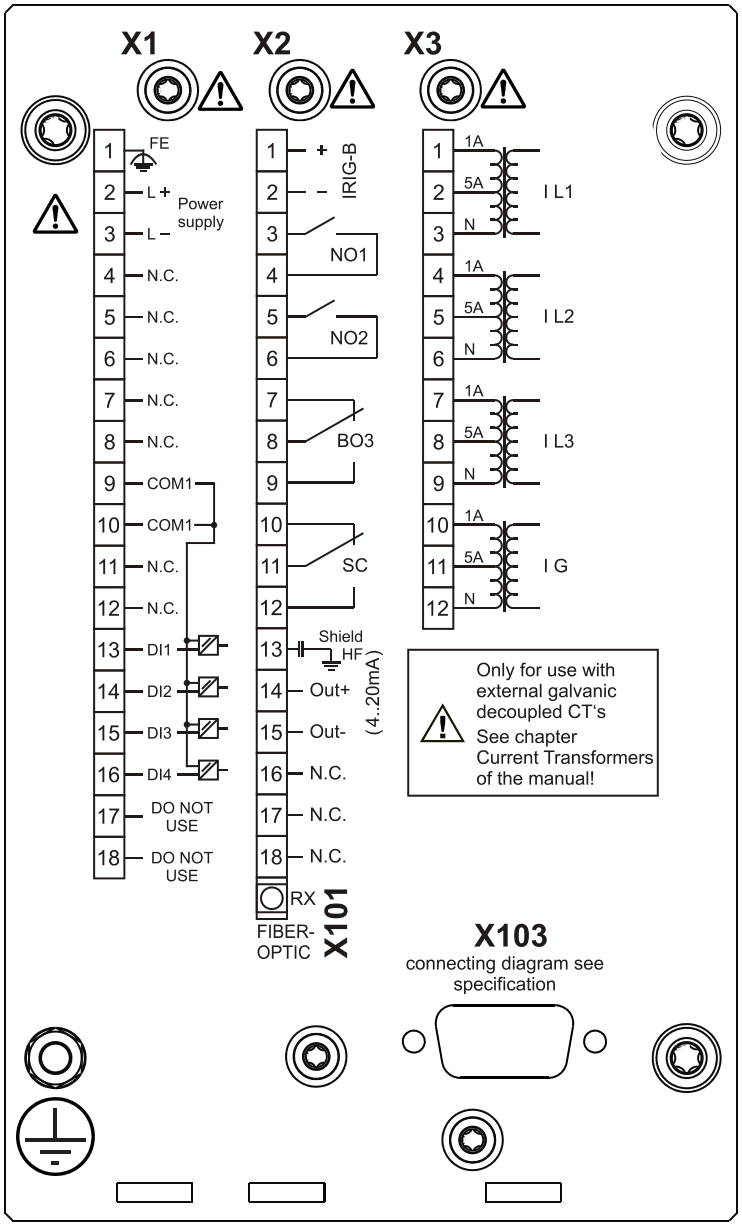
MRM4-2B0ADB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

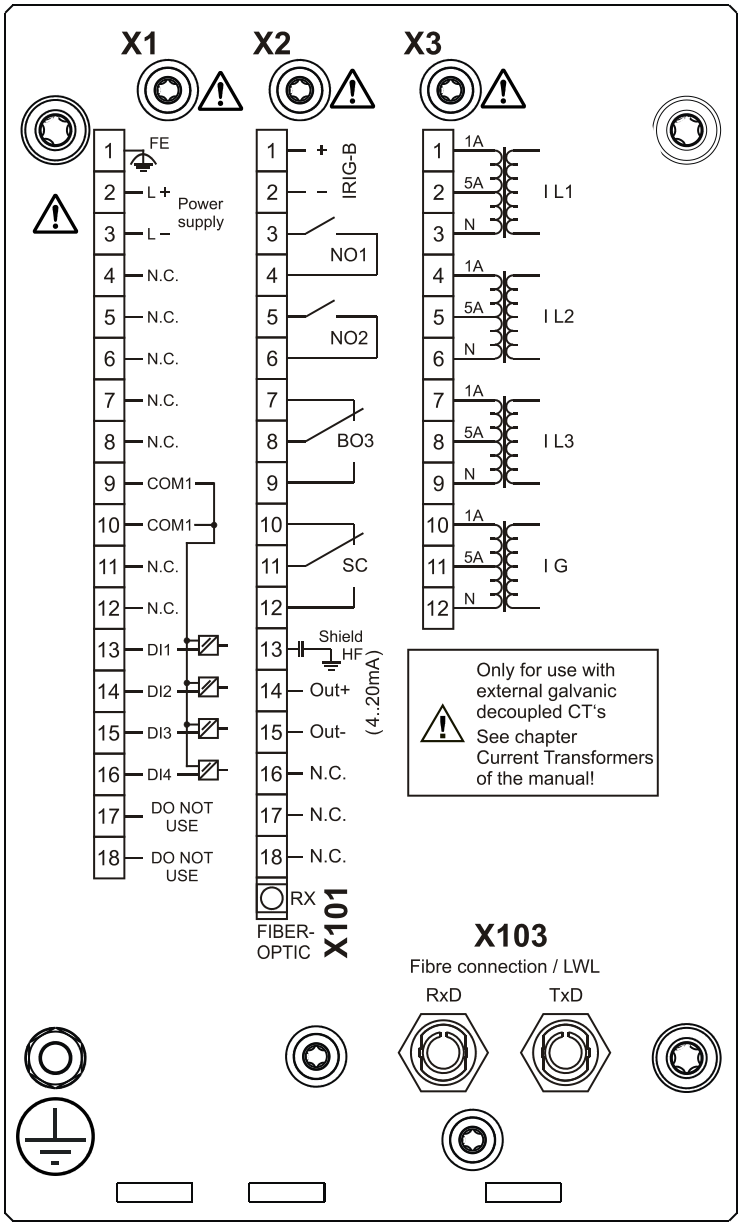
MRM4-2B0AEA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
connecting diagram see specification

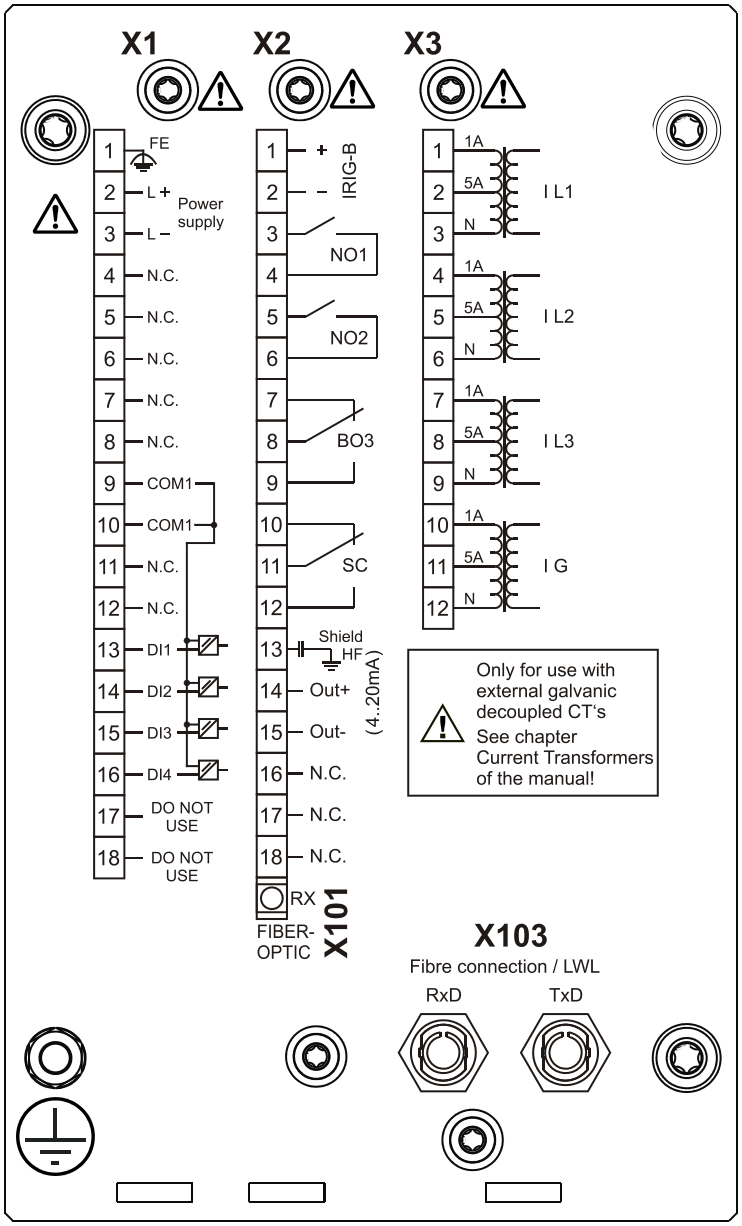
MRM4-2B0AEB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
connecting diagram see specification

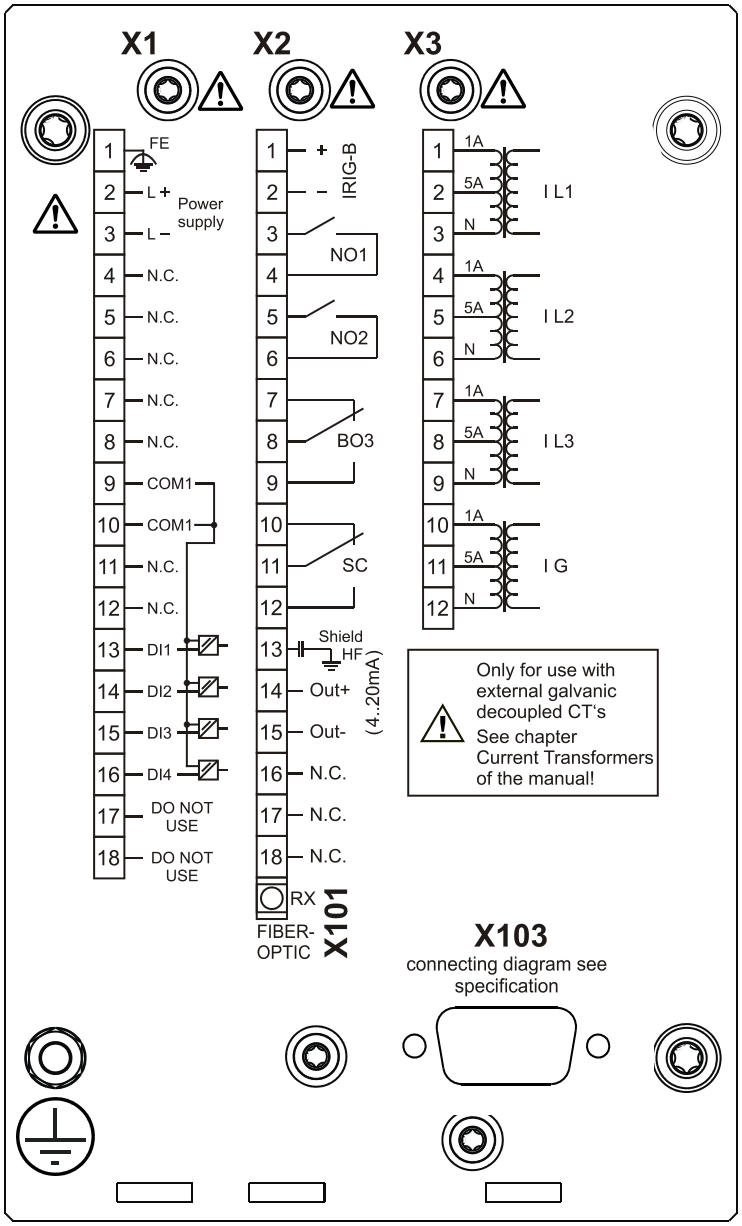
MRM4-2B0AFA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

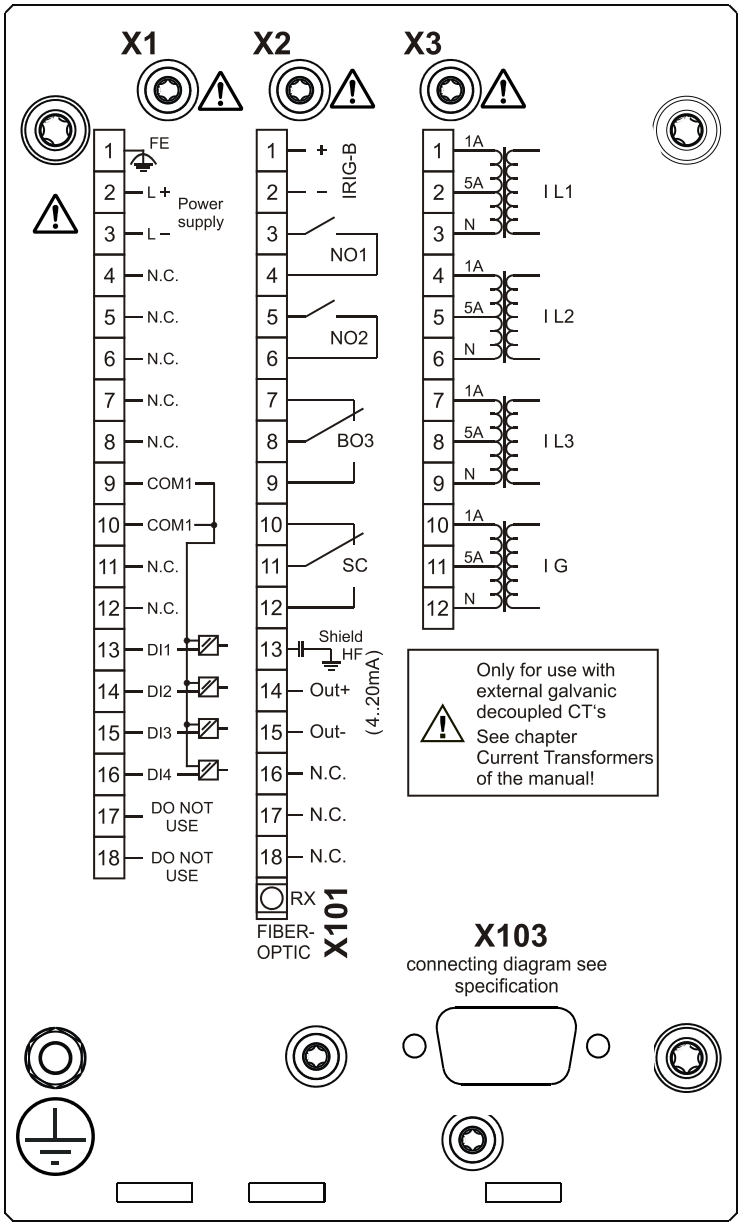
MRM4-2B0AFB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

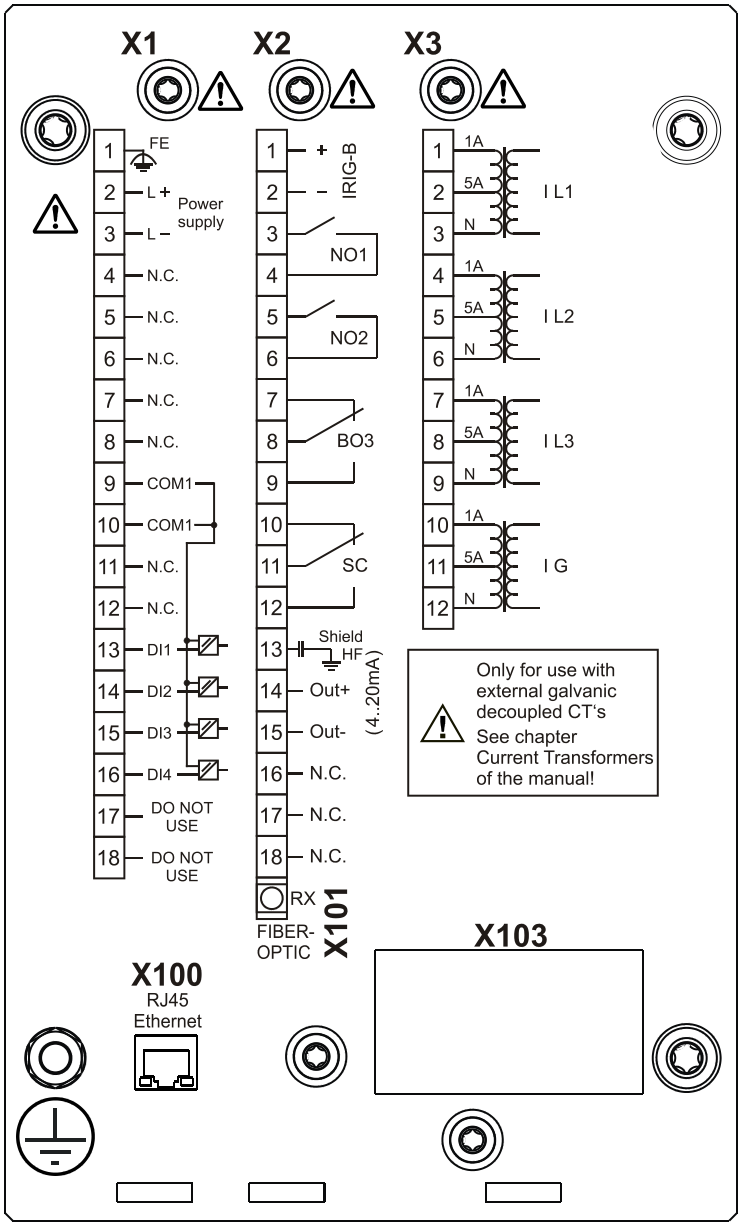
MRM4-2B0AGA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
connecting diagram see specification

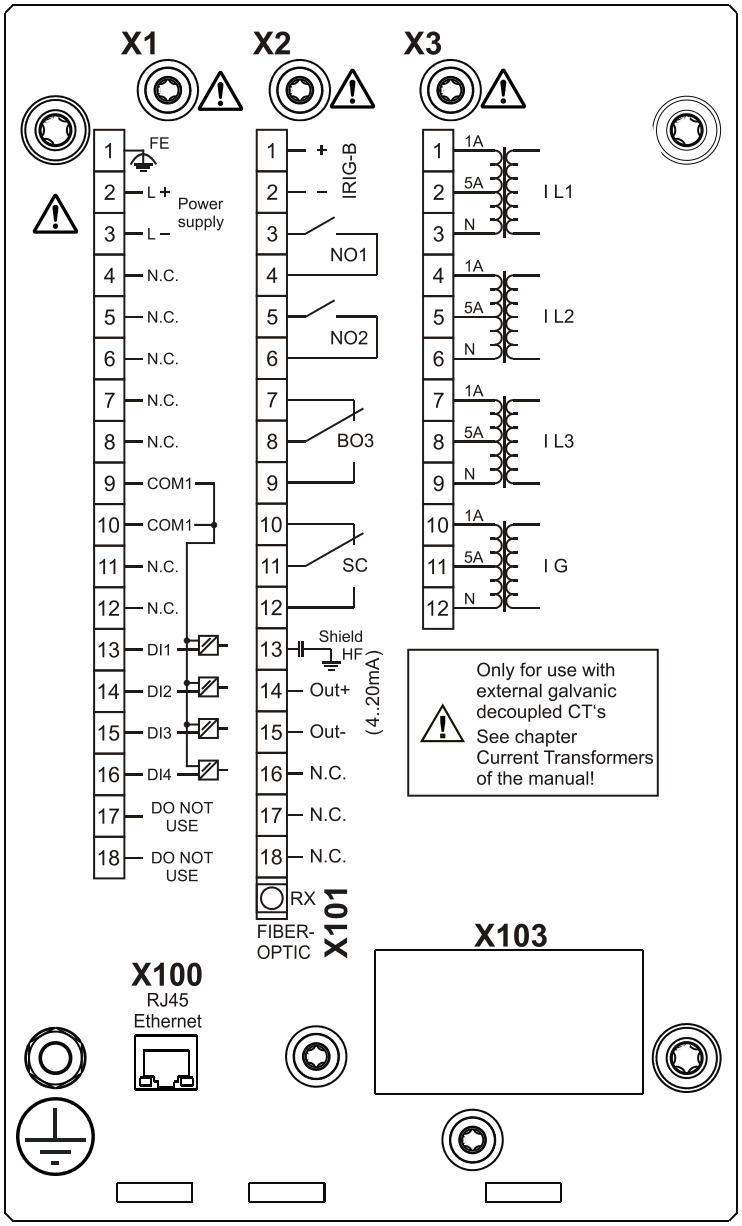
MRM4-2B0AGB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
connecting diagram see specification

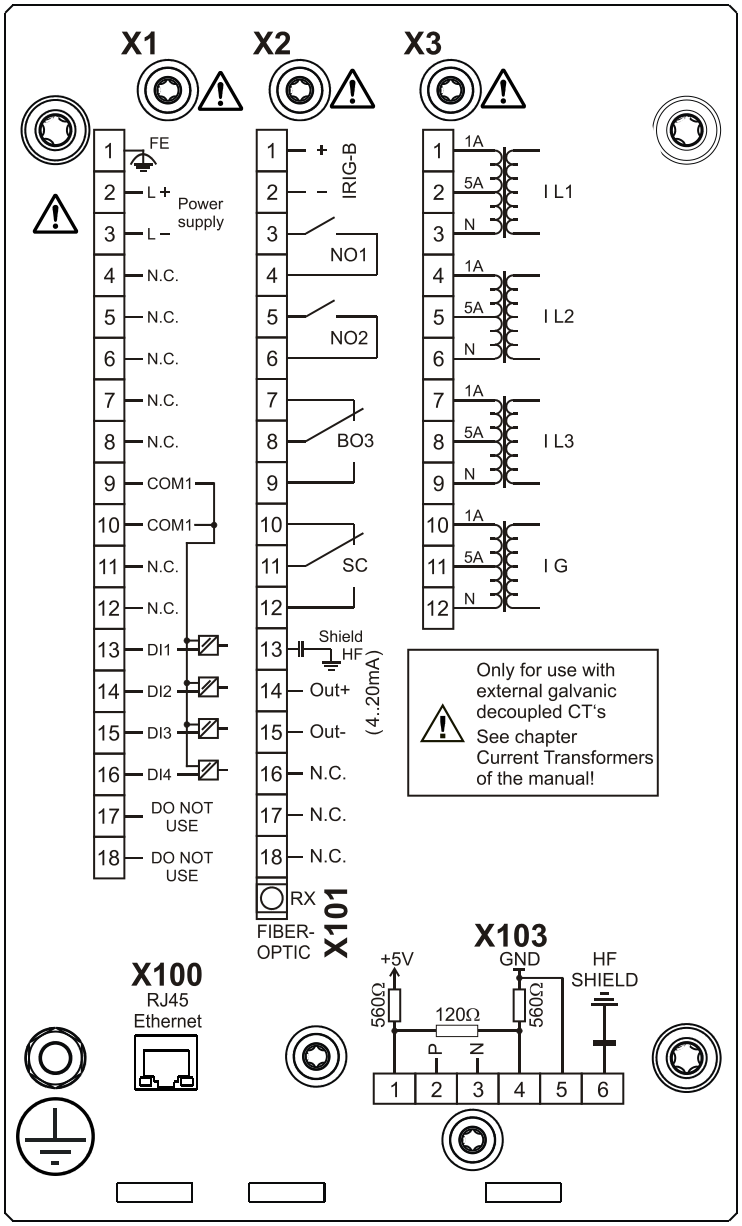
MRM4-2B0AHA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X103

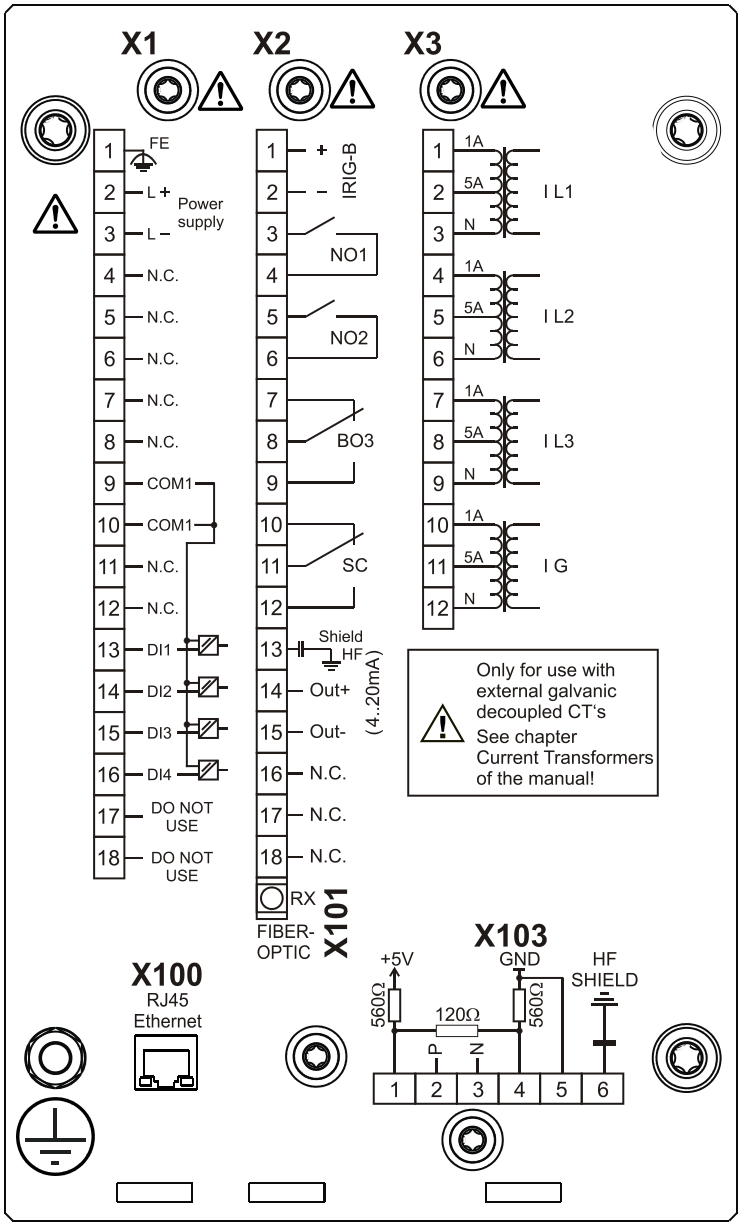
MRM4-2B0AHB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X103

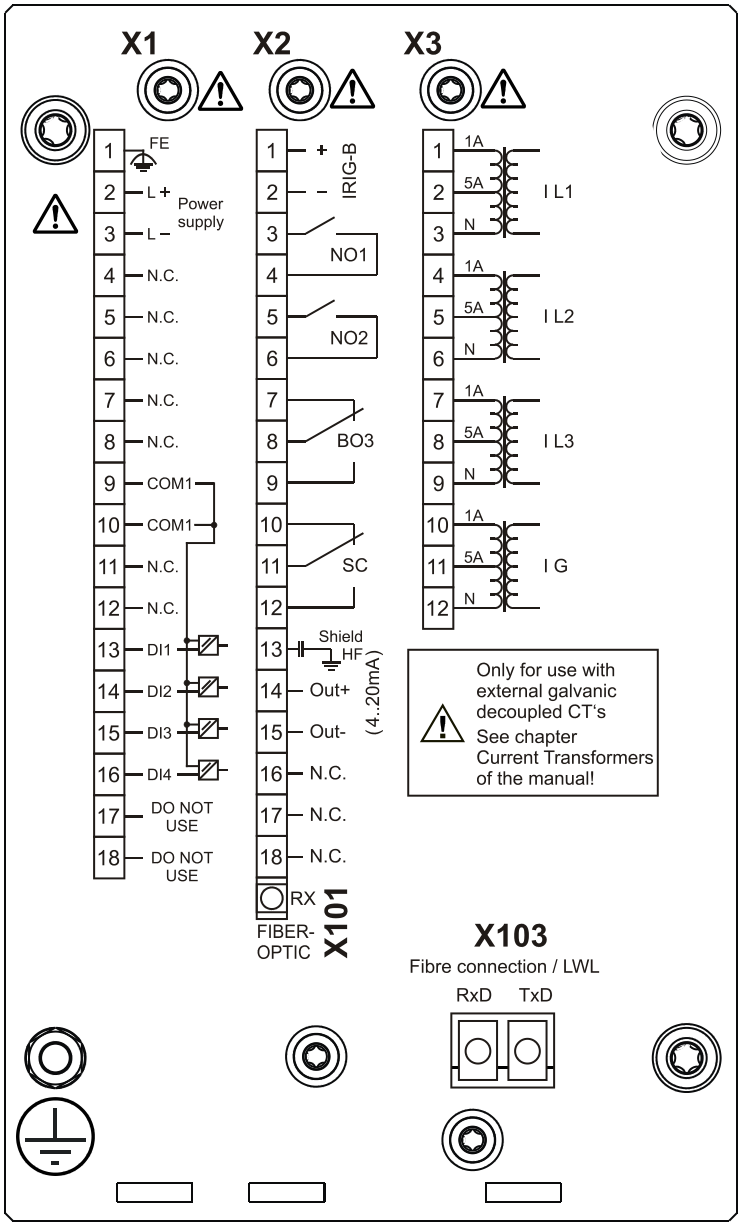
MRM4-2B0AIA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

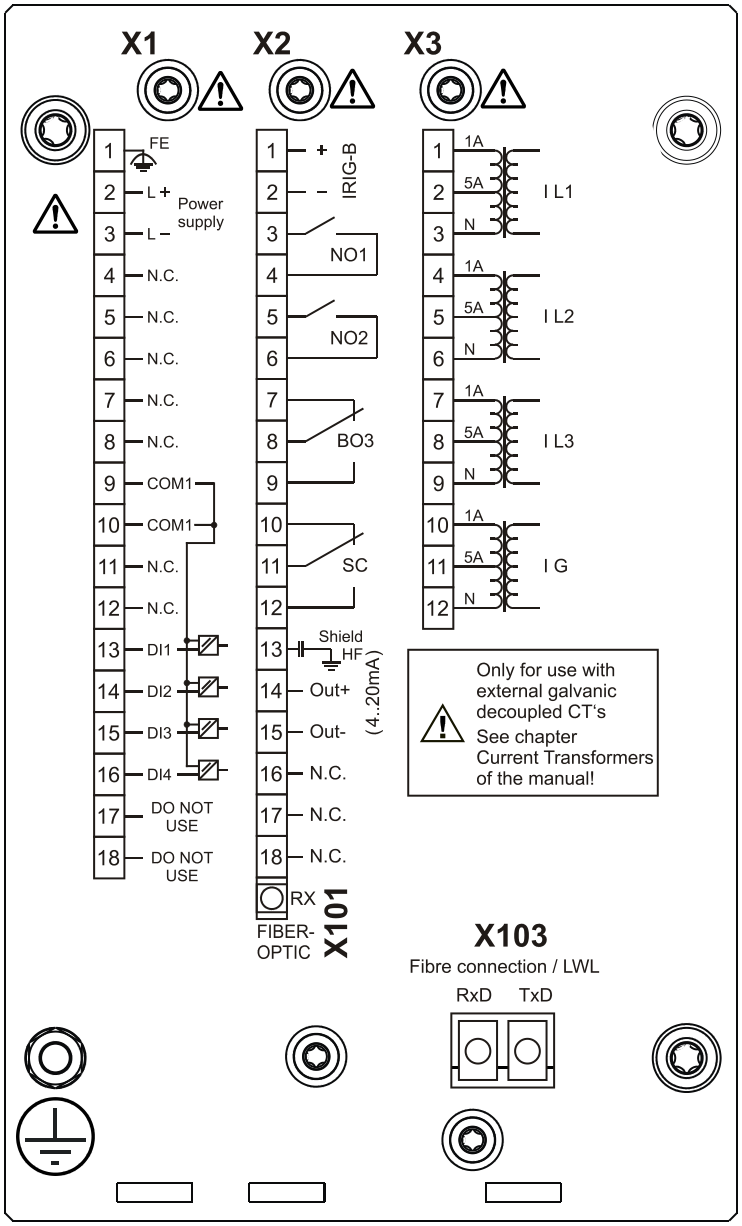
MRM4-2B0AIB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

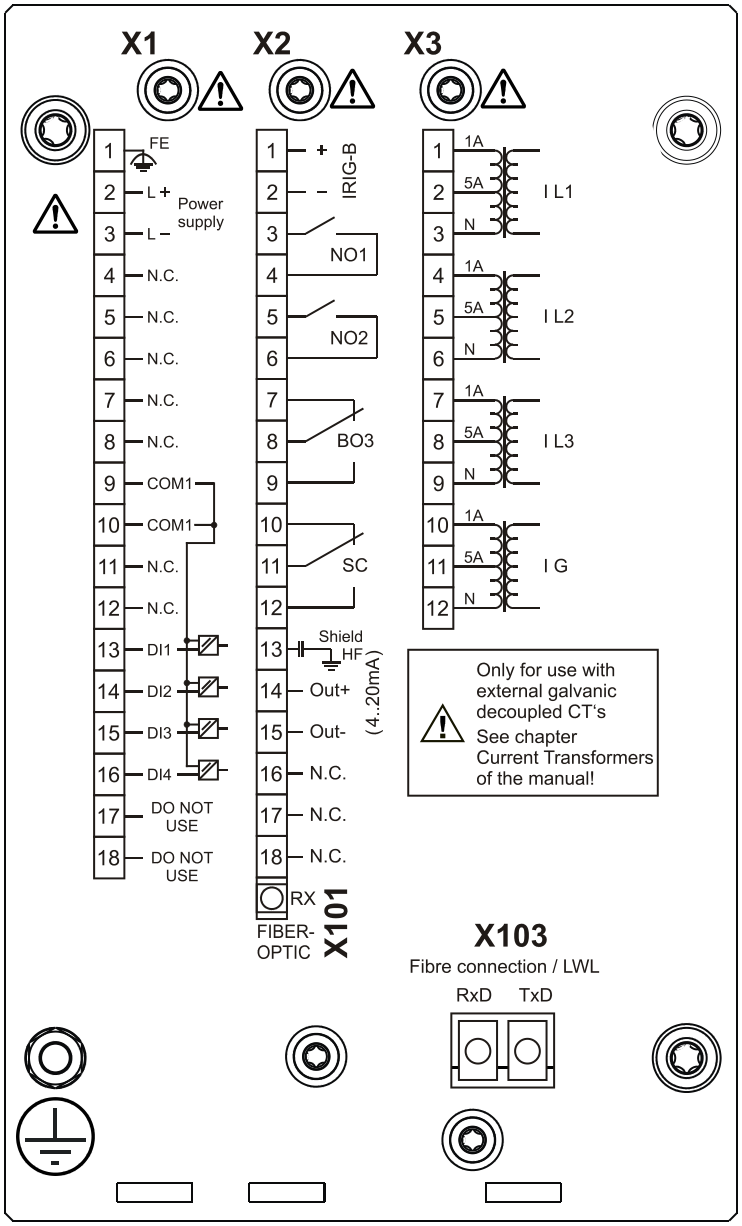
MRM4-2B0AKA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

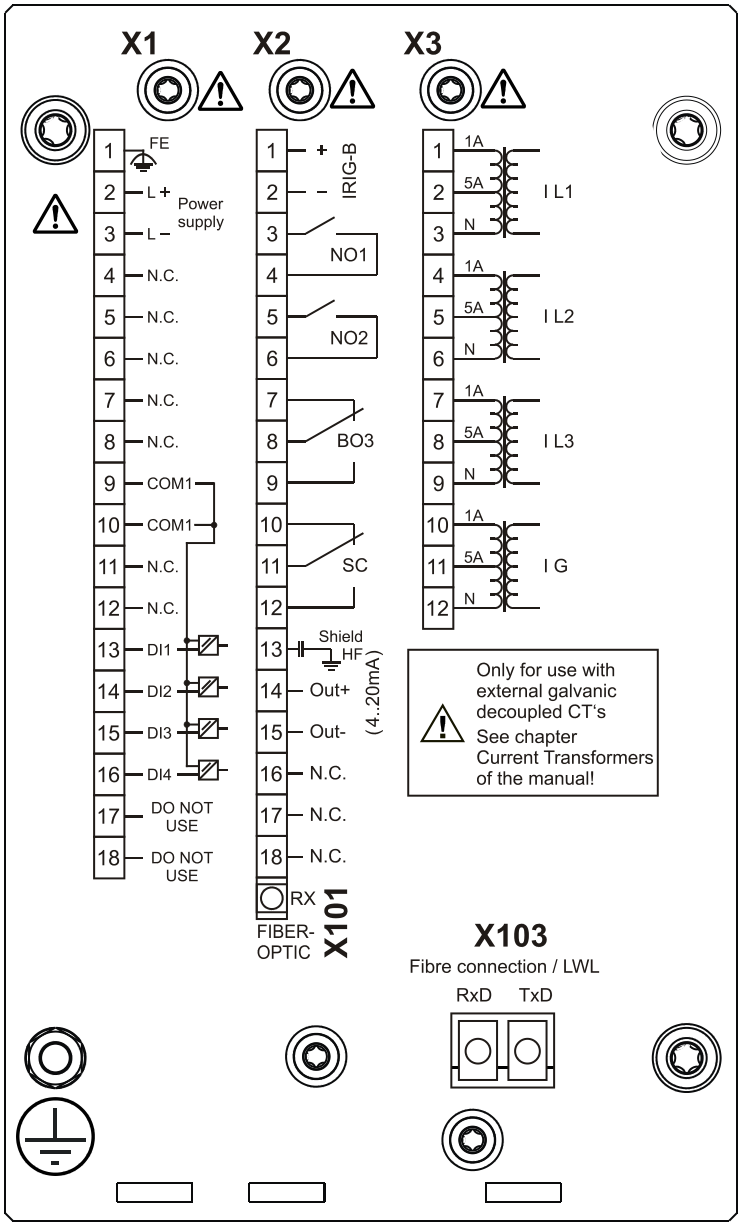
MRM4-2B0AKB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

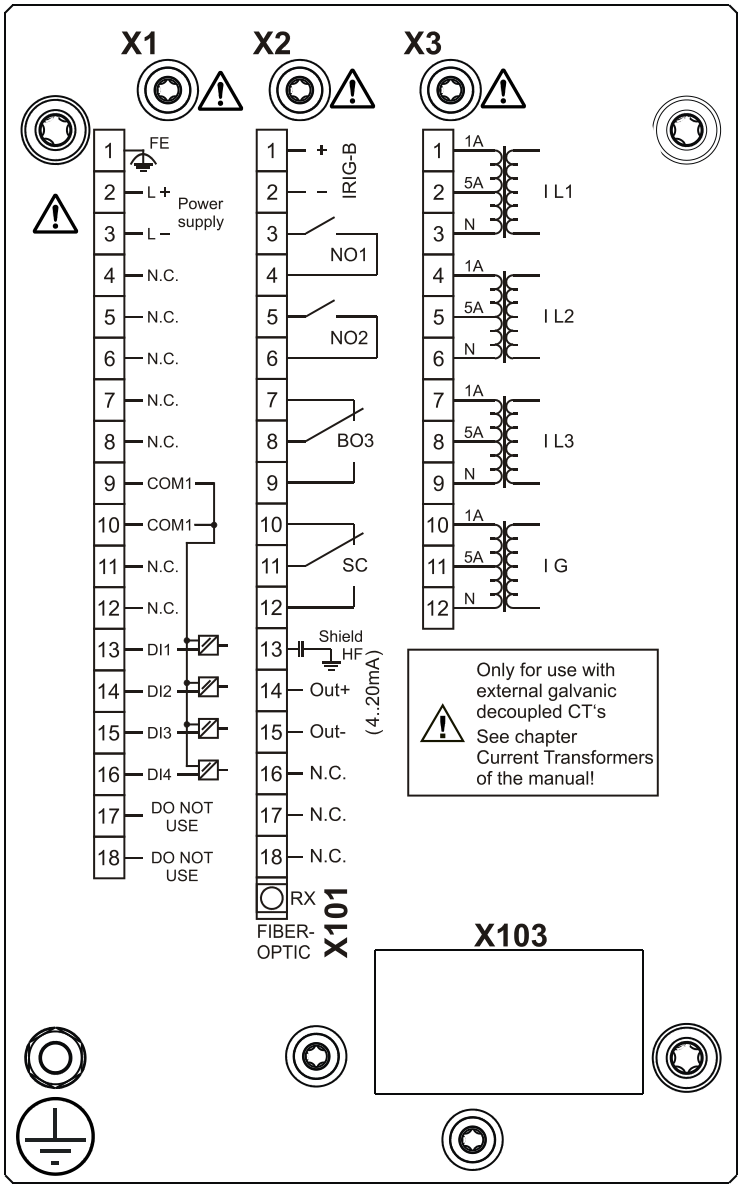
MRM4-2B0ALA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

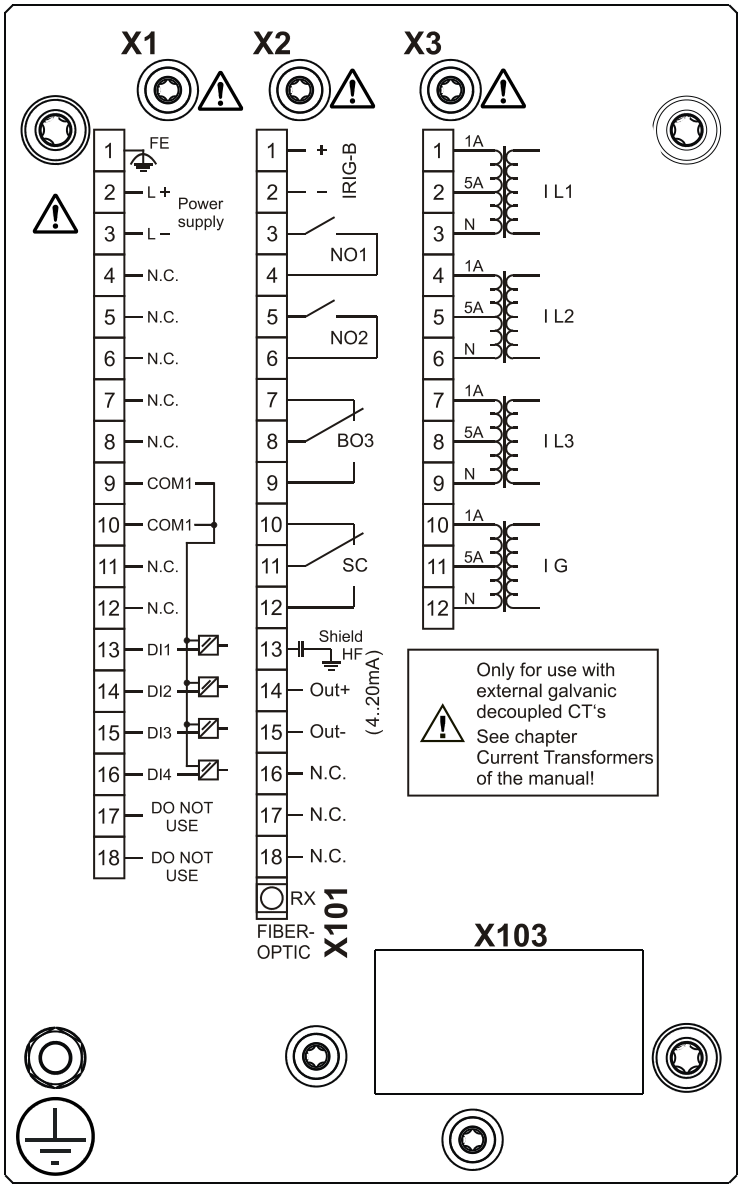
MRM4-2B0ALB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

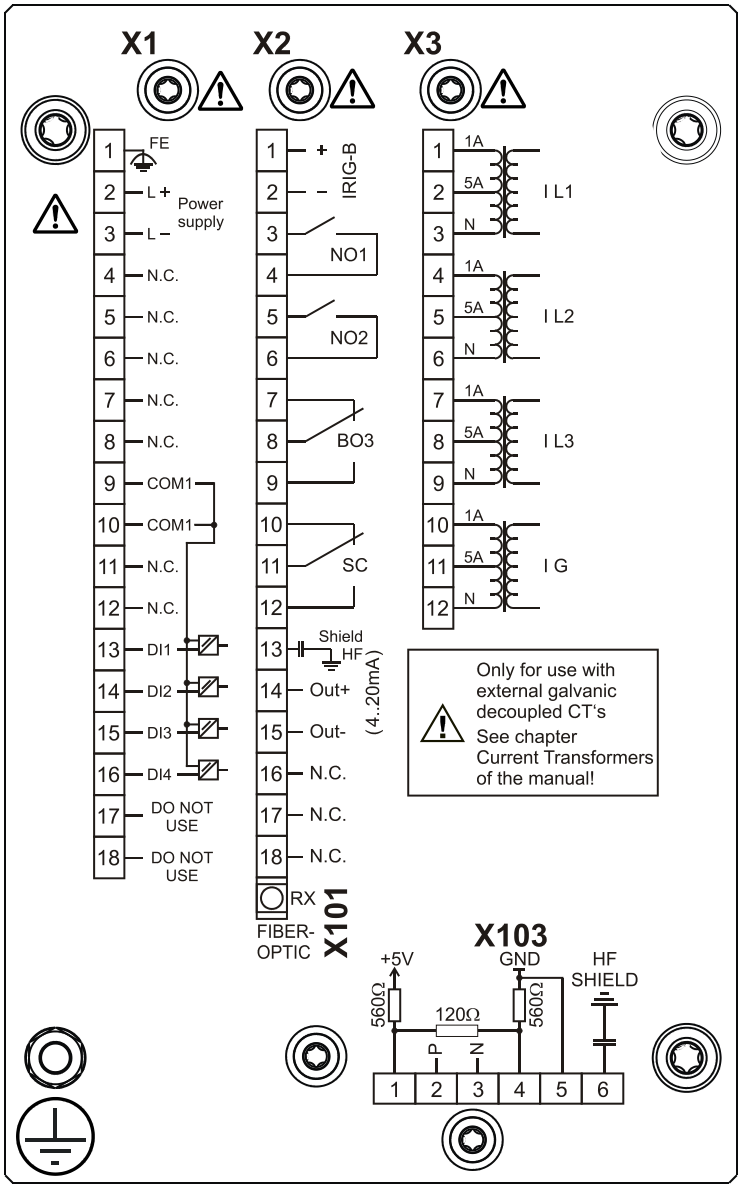
MRM4-2B0BAA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103

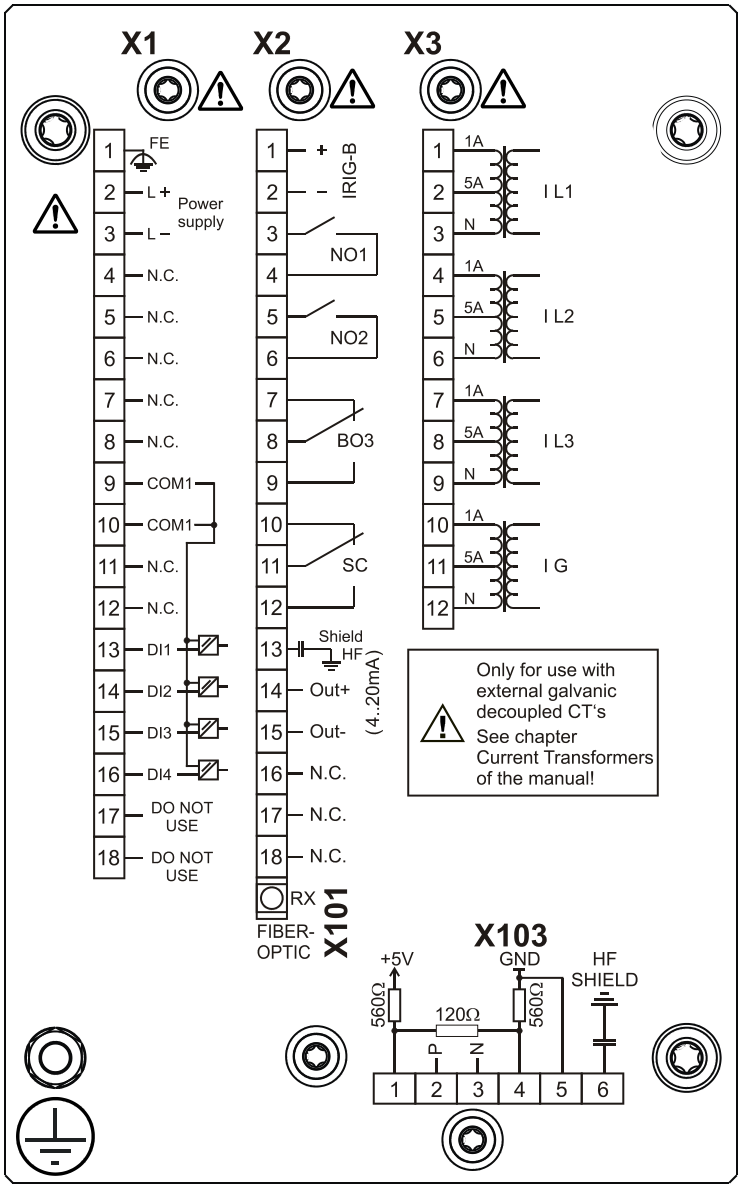
MRM4-2B0BAB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103

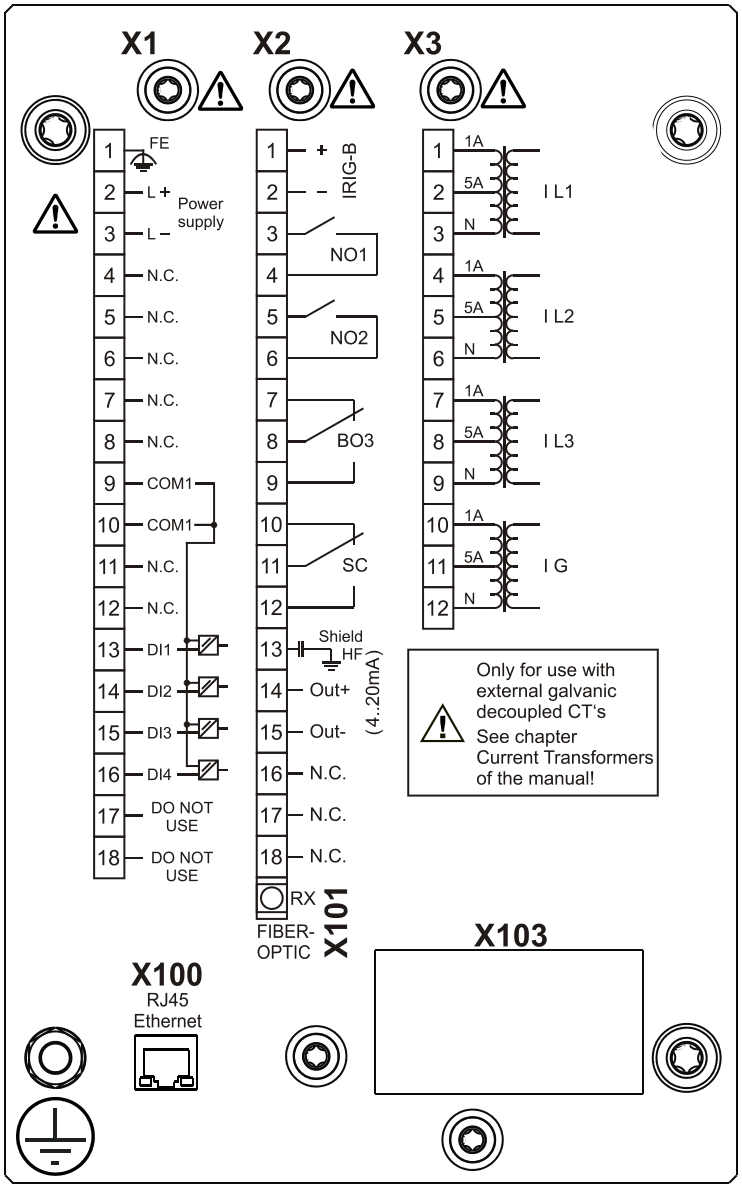
MRM4-2B0BBA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
16 N.C.
17 N.C.
18 N.C.
(4..20mA)
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

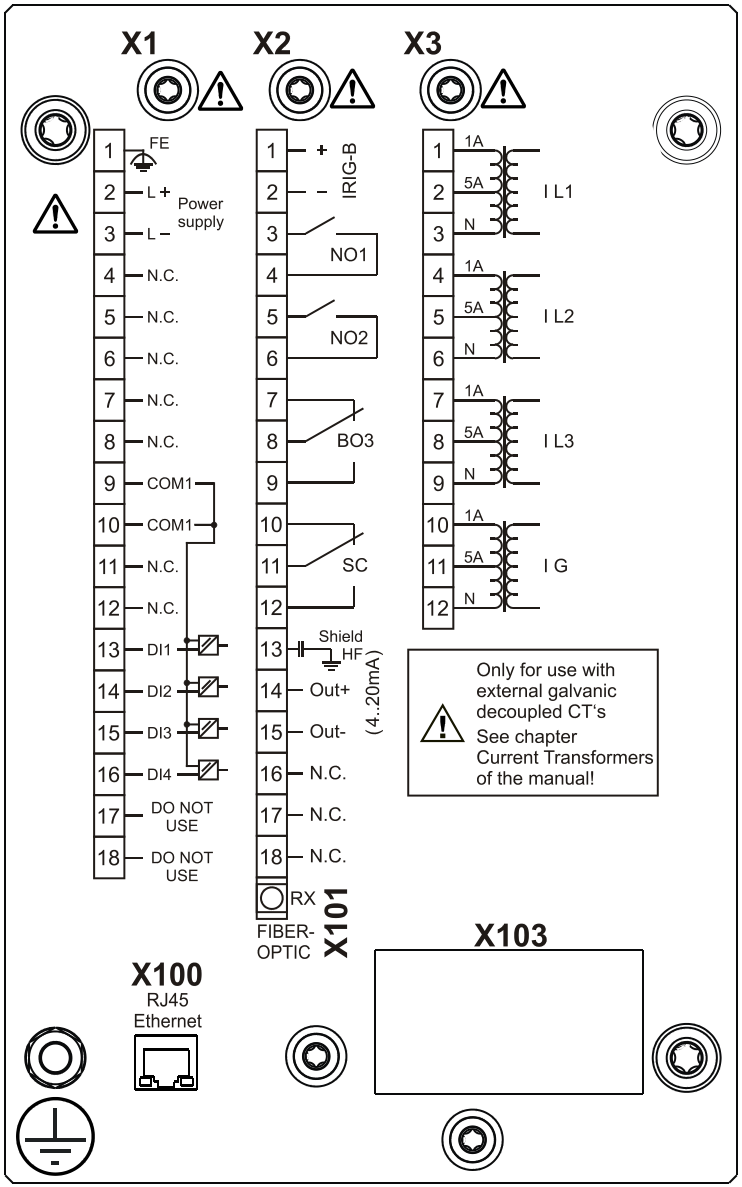
MRM4-2B0BBB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
16 N.C.
17 N.C.
18 N.C.
(4..20mA)
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

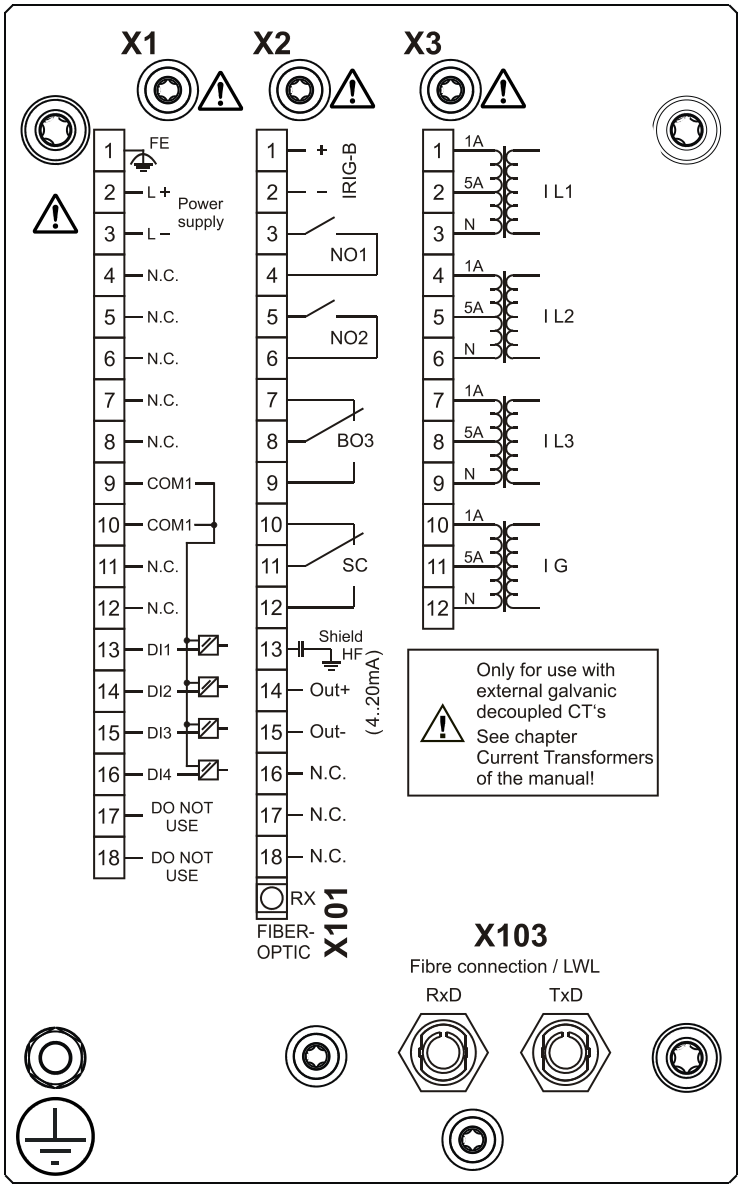
MRM4-2B0BCA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X103

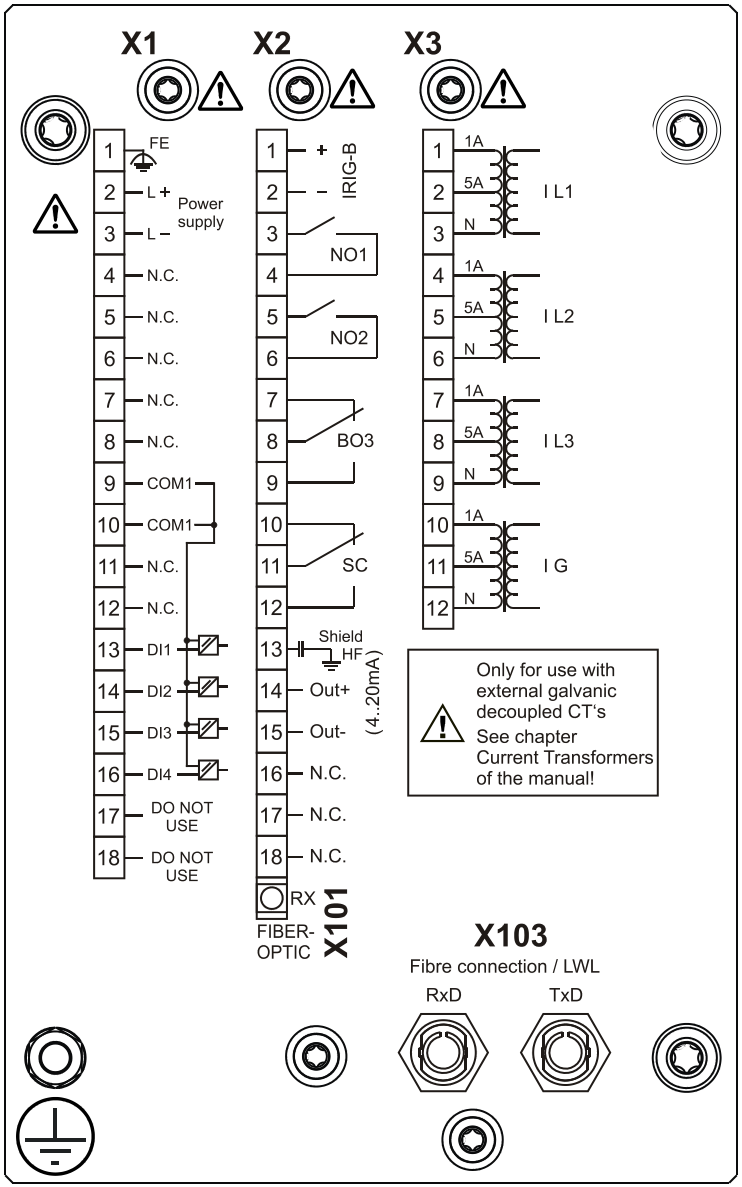
MRM4-2B0BCB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X103

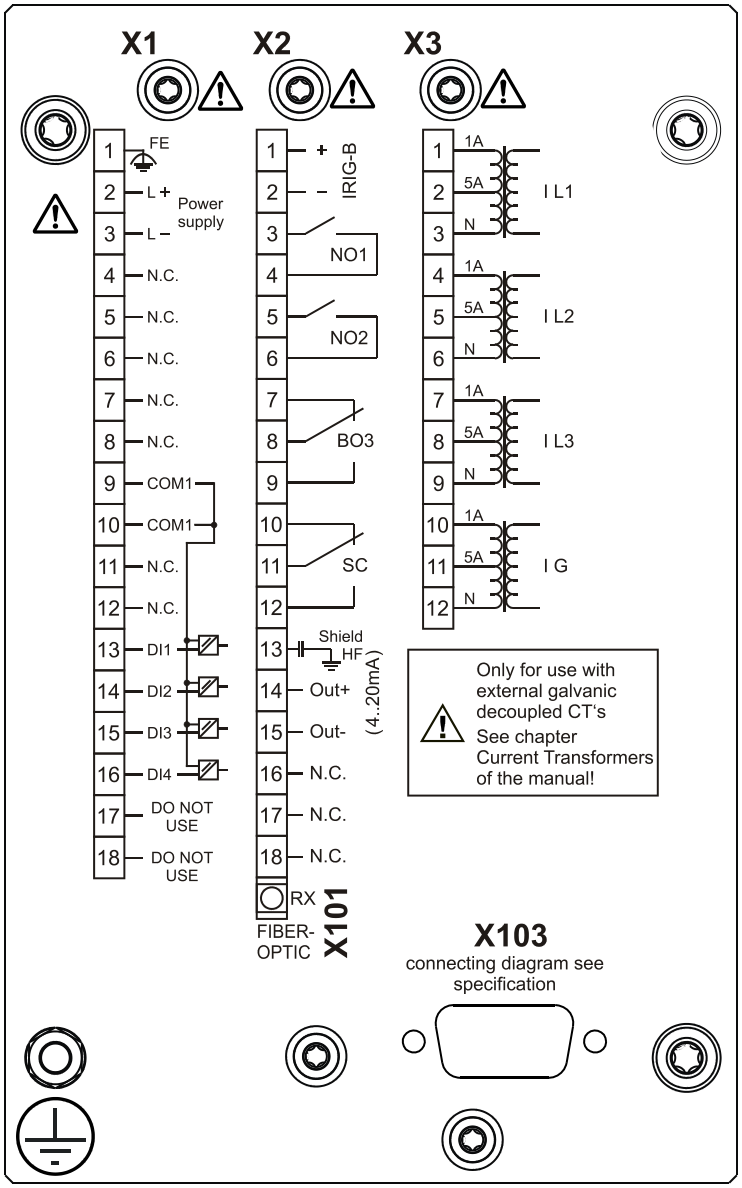
MRM4-2B0BDA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

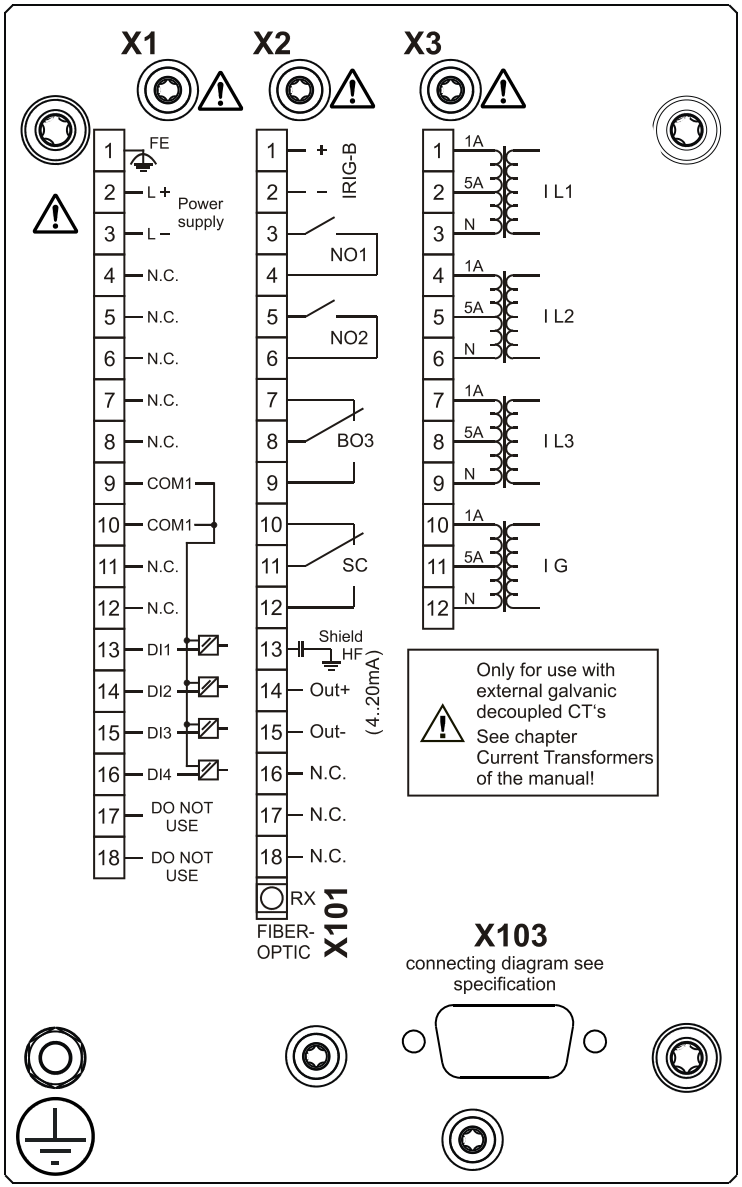
MRM4-2B0BDB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

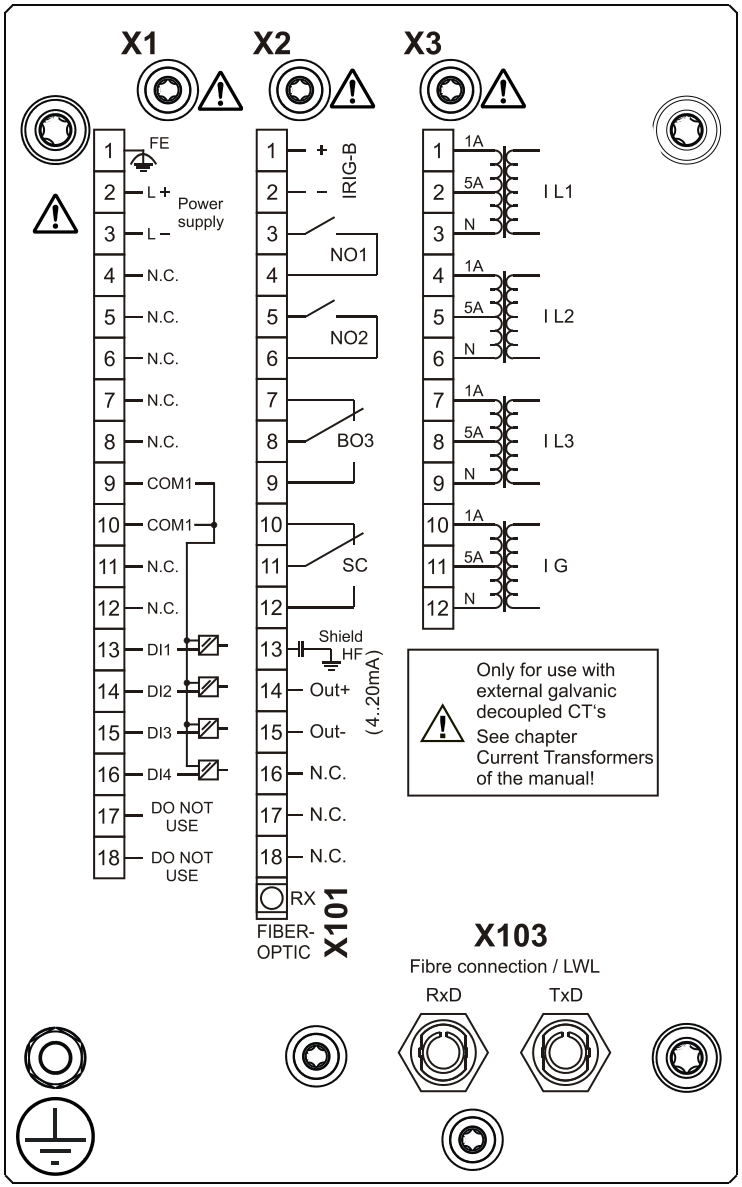
MRM4-2B0BEA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
connecting diagram see specification

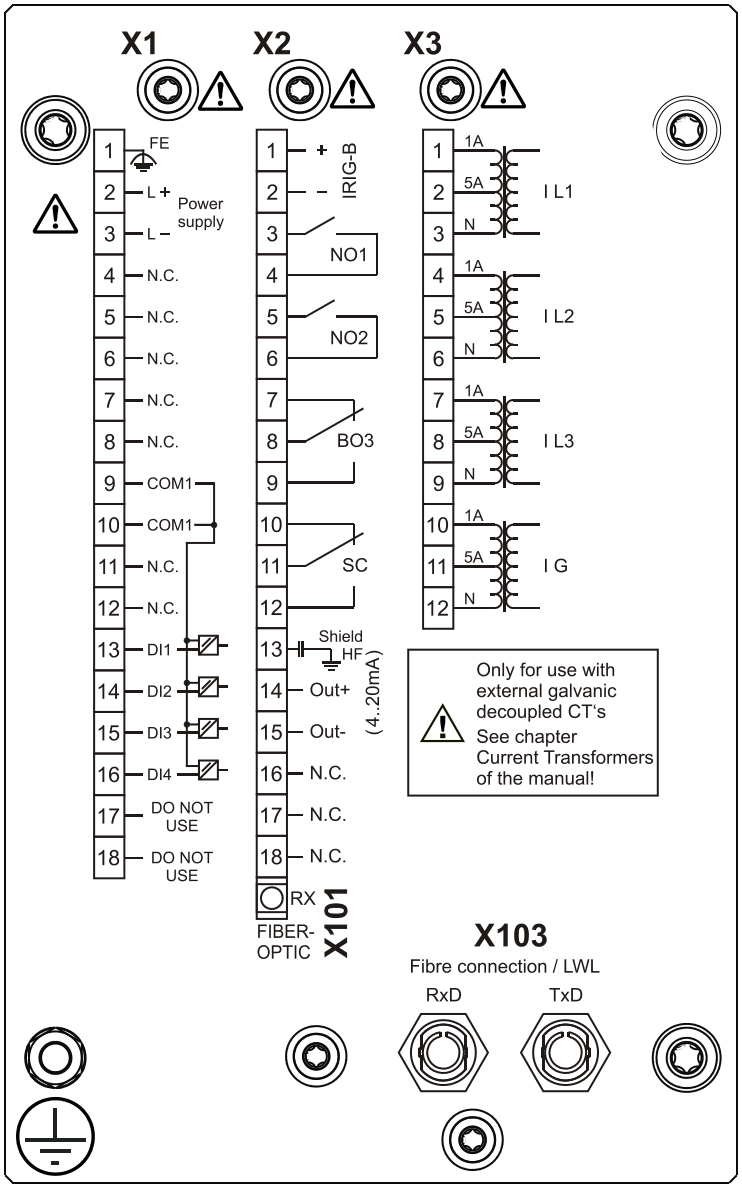
MRM4-2B0BEB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
connecting diagram see specification

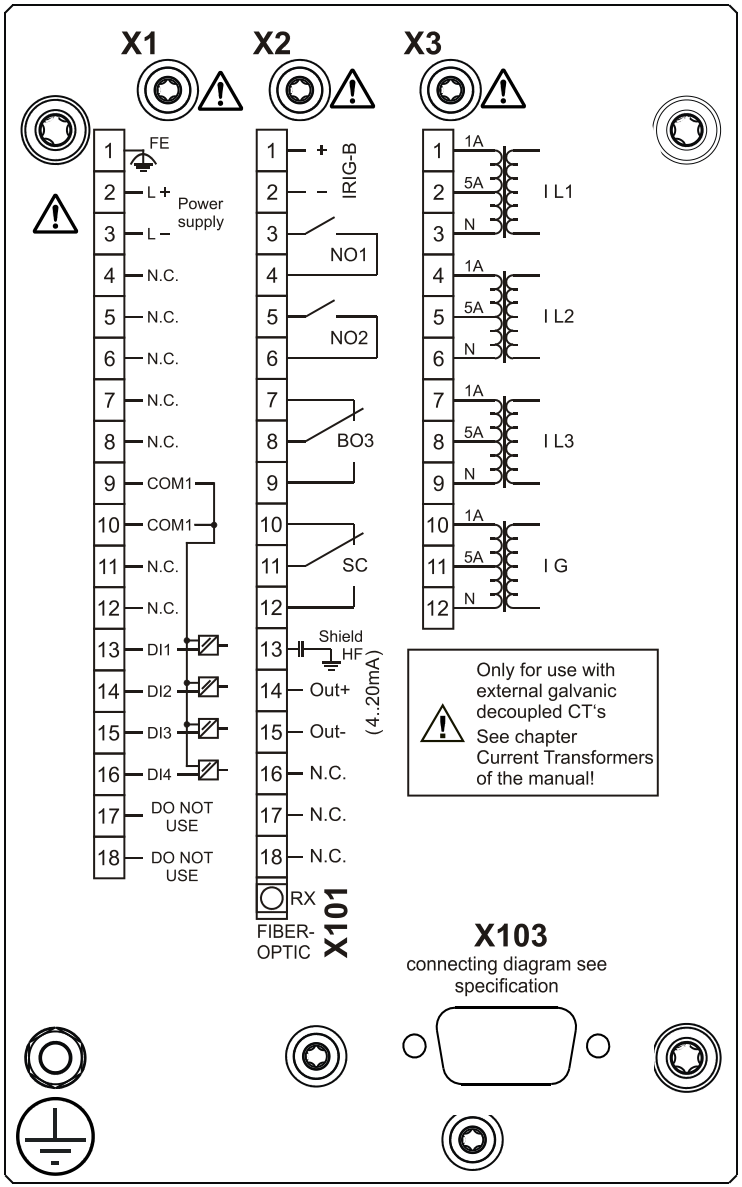
MRM4-2B0BFA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

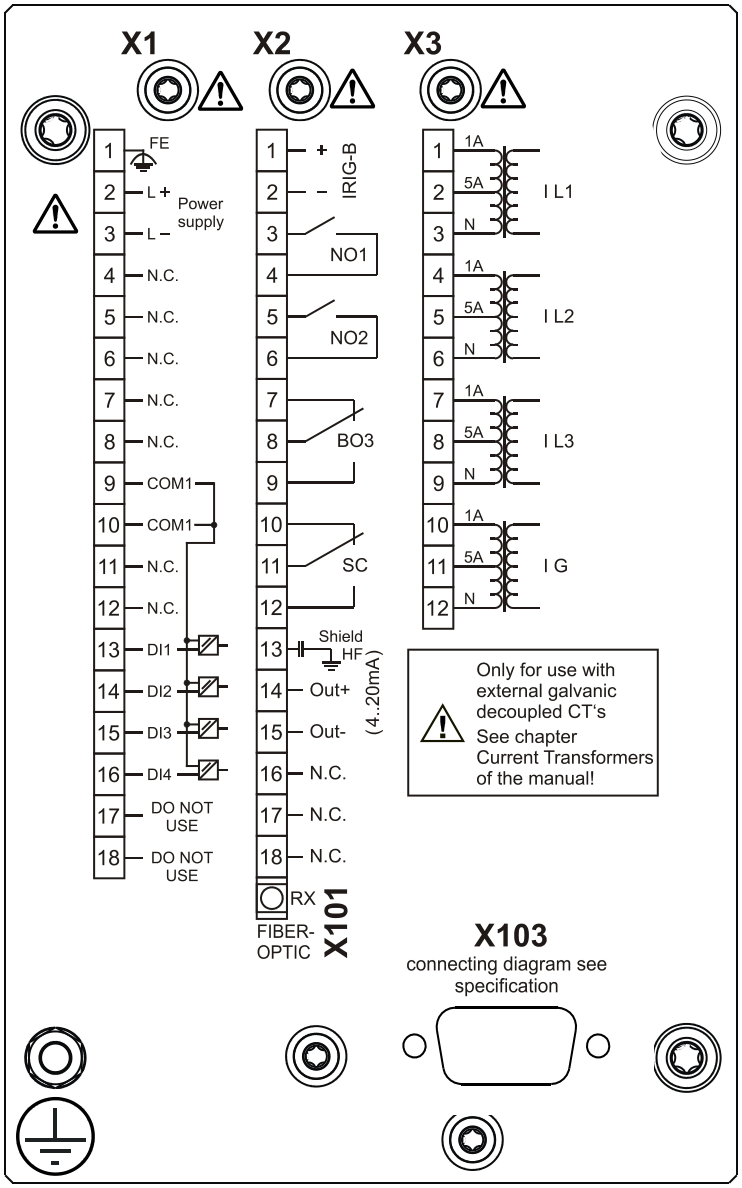
MRM4-2B0BFB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

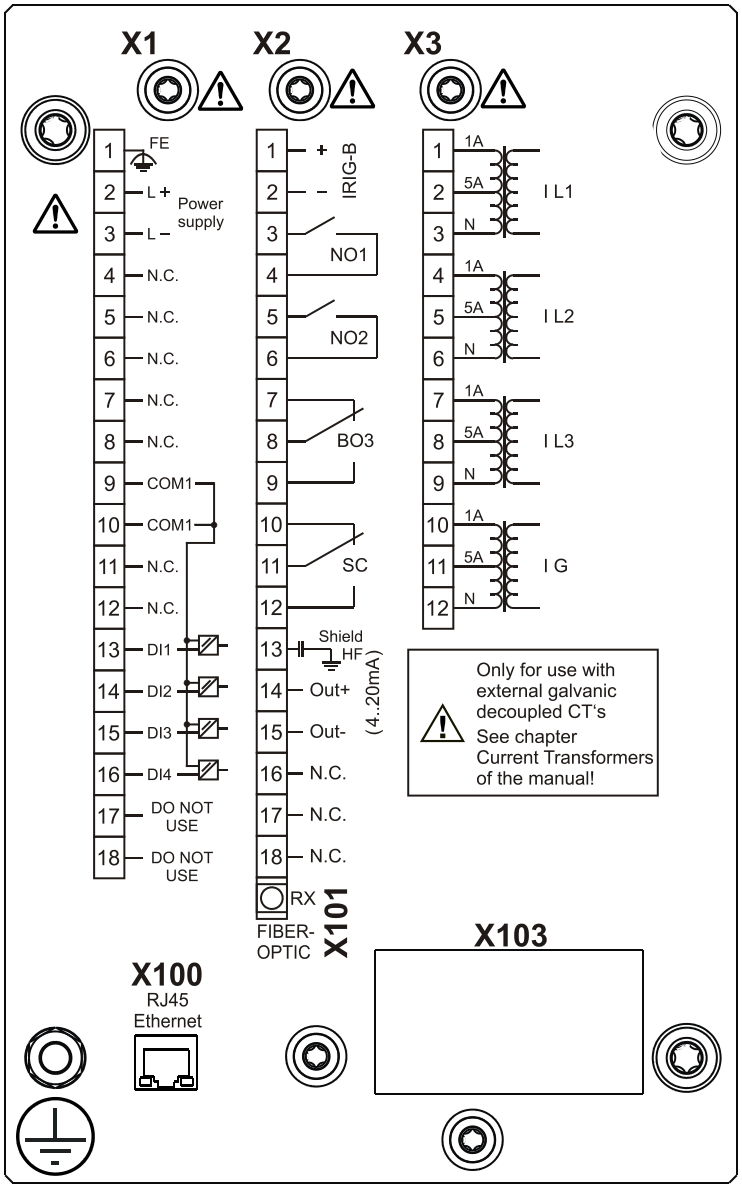
MRM4-2B0BGA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
16 N.C.
17 N.C.
18 N.C.
(4..20mA)
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
connecting diagram see specification

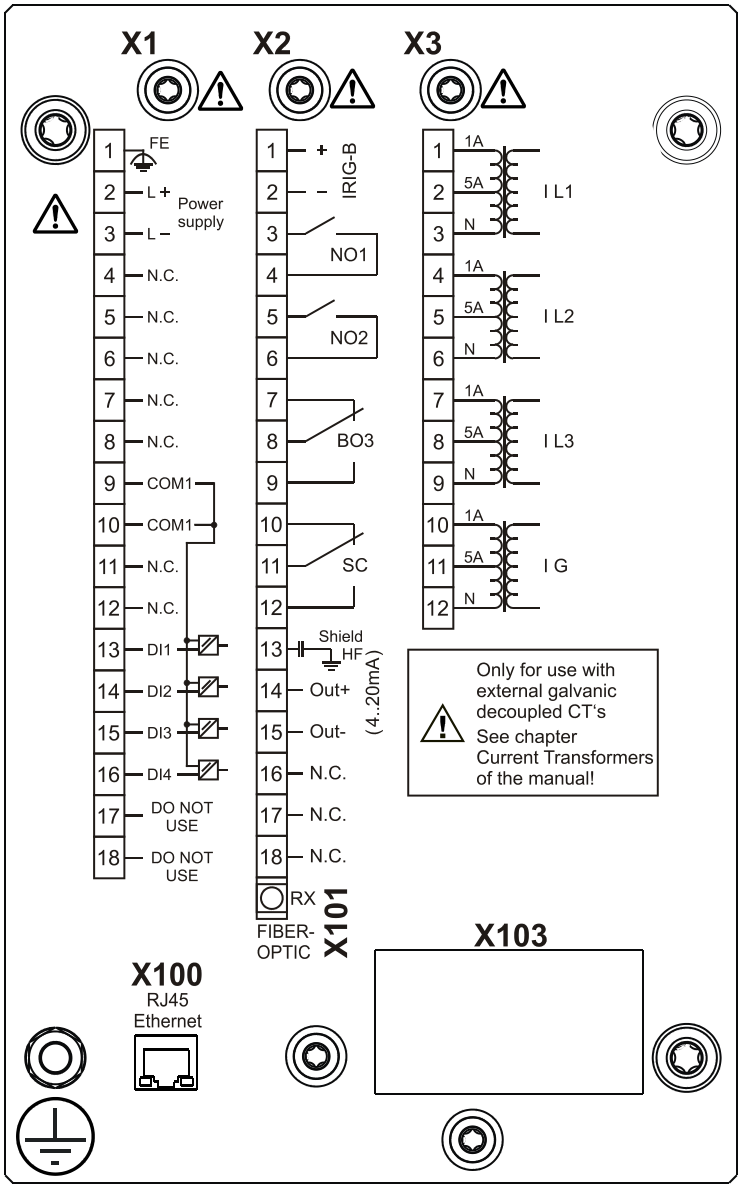
MRM4-2B0BGB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
16 N.C.
17 N.C.
18 N.C.
(4..20mA)
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
connecting diagram see specification

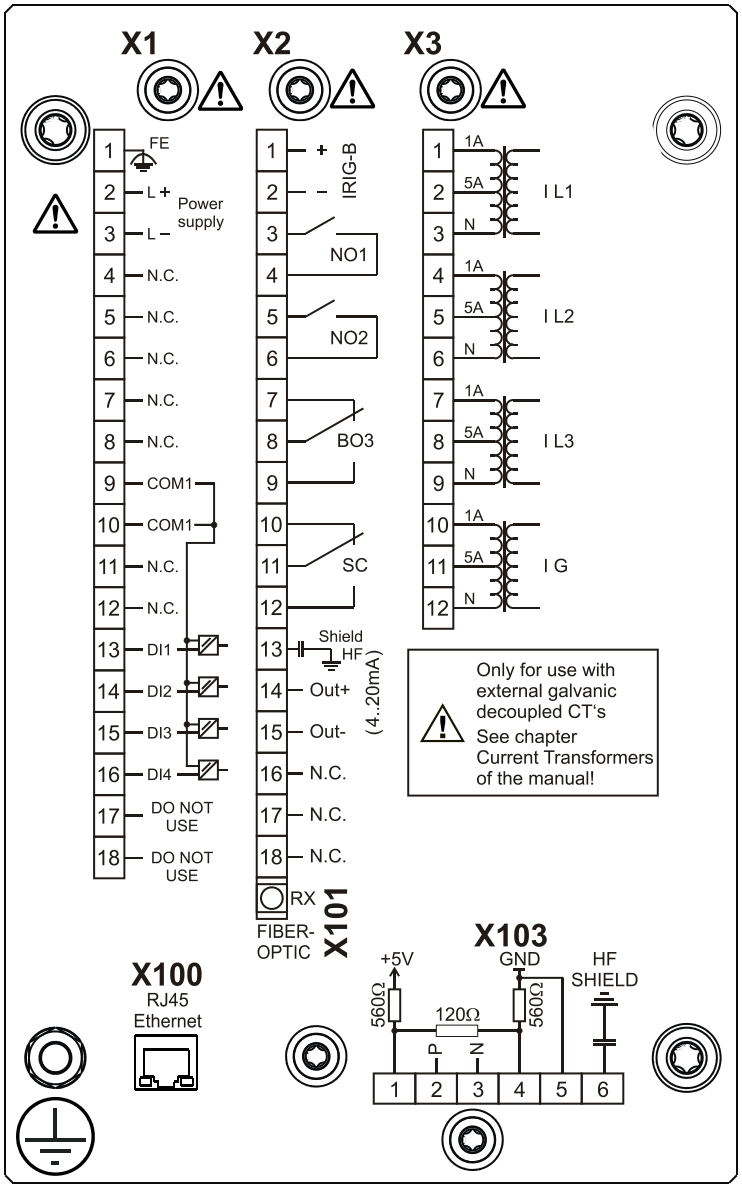
MRM4-2B0BHA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X103

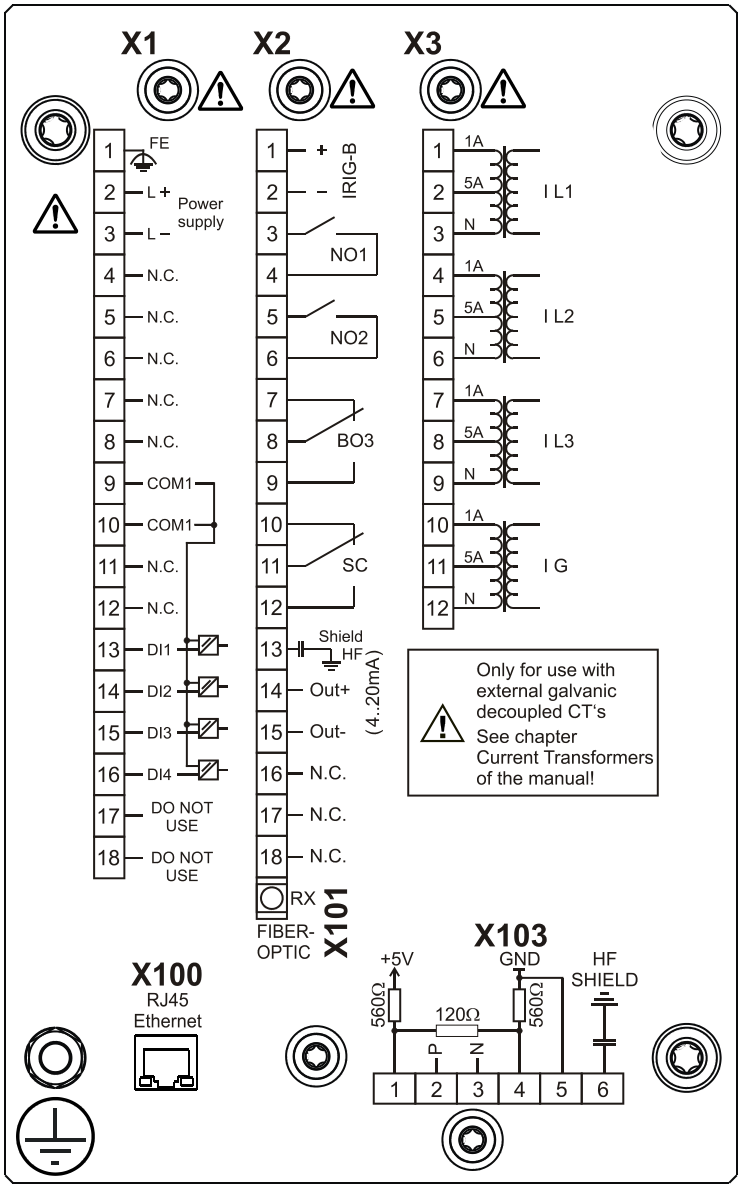
MRM4-2B0BHB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X103

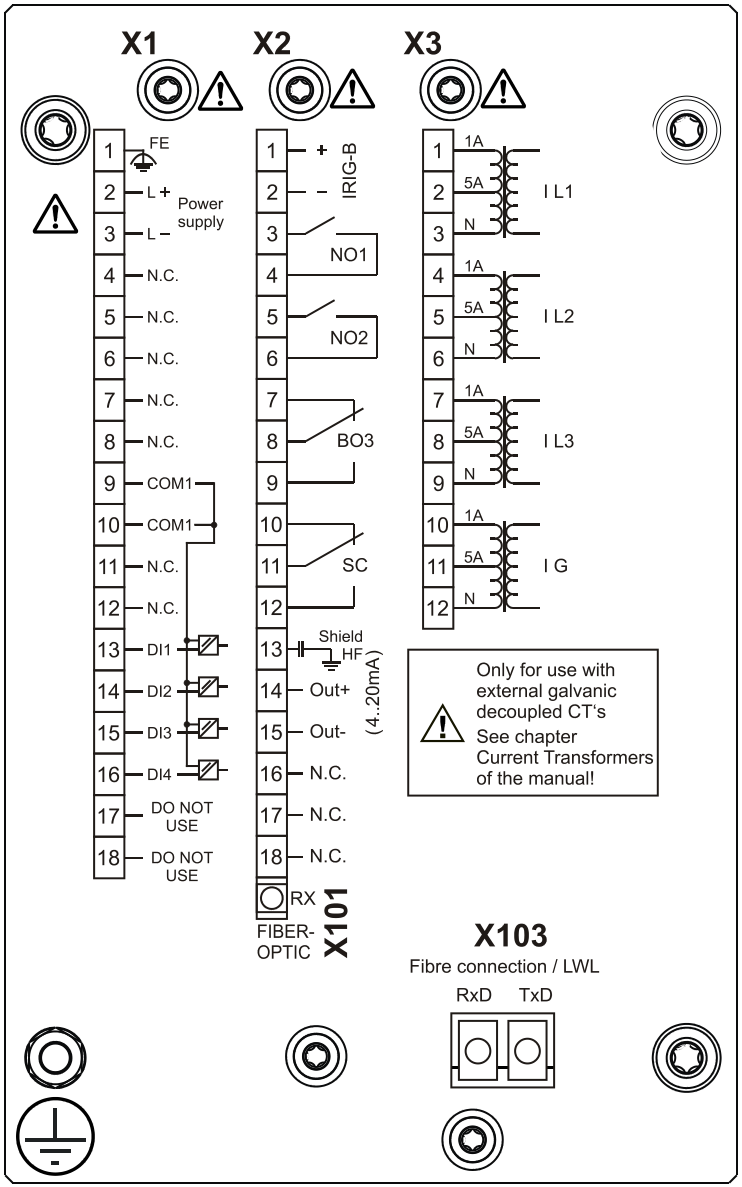
MRM4-2B0BIA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 –
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
16 N.C.
17 N.C.
18 N.C.
(4..20mA)
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

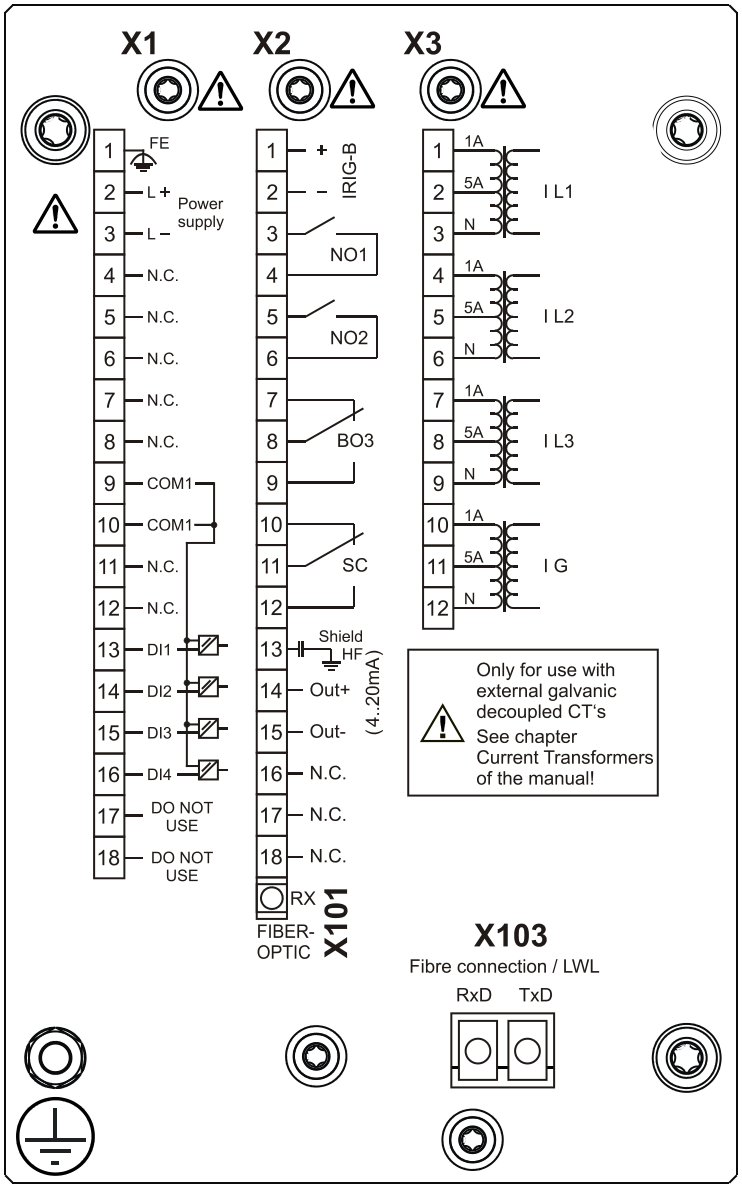
MRM4-2B0BIB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
16 N.C.
17 N.C.
18 N.C.
(4..20mA)
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

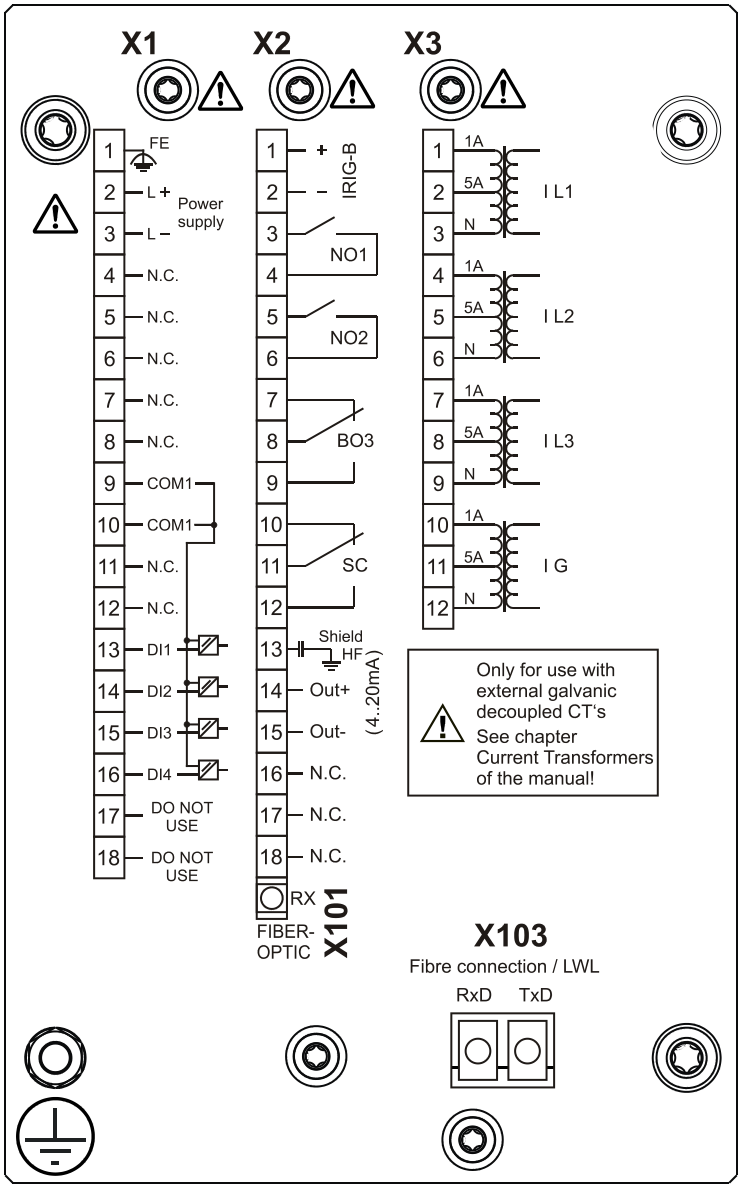
MRM4-2B0BKA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

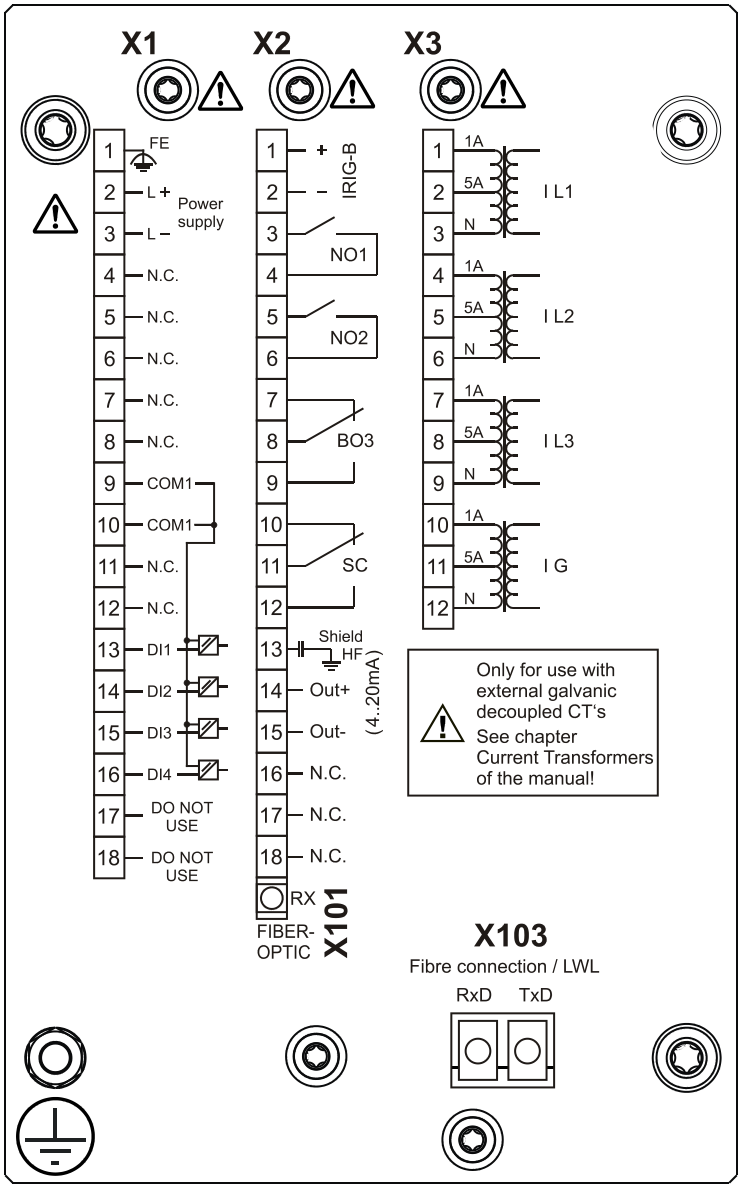
MRM4-2B0BKB


X1
X2
X3
1 FE
2 L+ Power supply
3 L-
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 + IRIG-B
2 -
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+ (4..20mA)
15 Out-
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A I L1
3 N
4 1A
5 5A I L2
6 N
7 1A
8 5A I L3
9 N
10 1A
11 5A I G
12 N
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD TxD

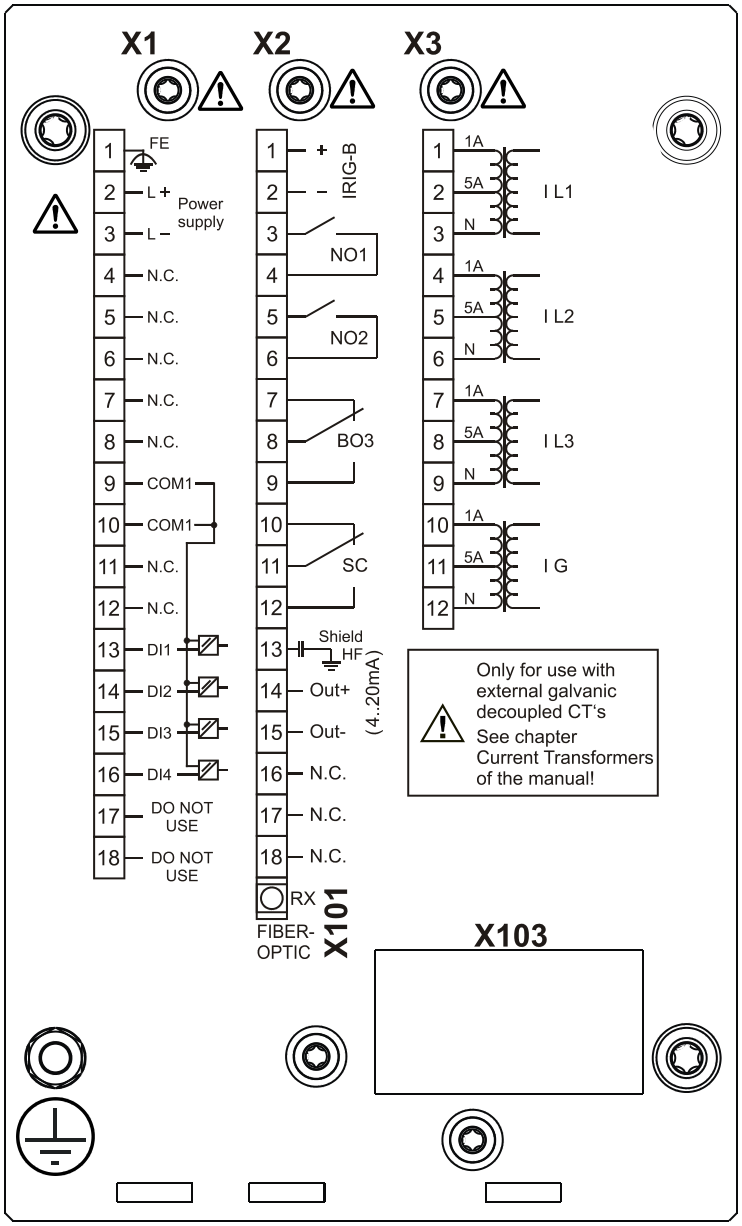
MRM4-2B0BLA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD TxD

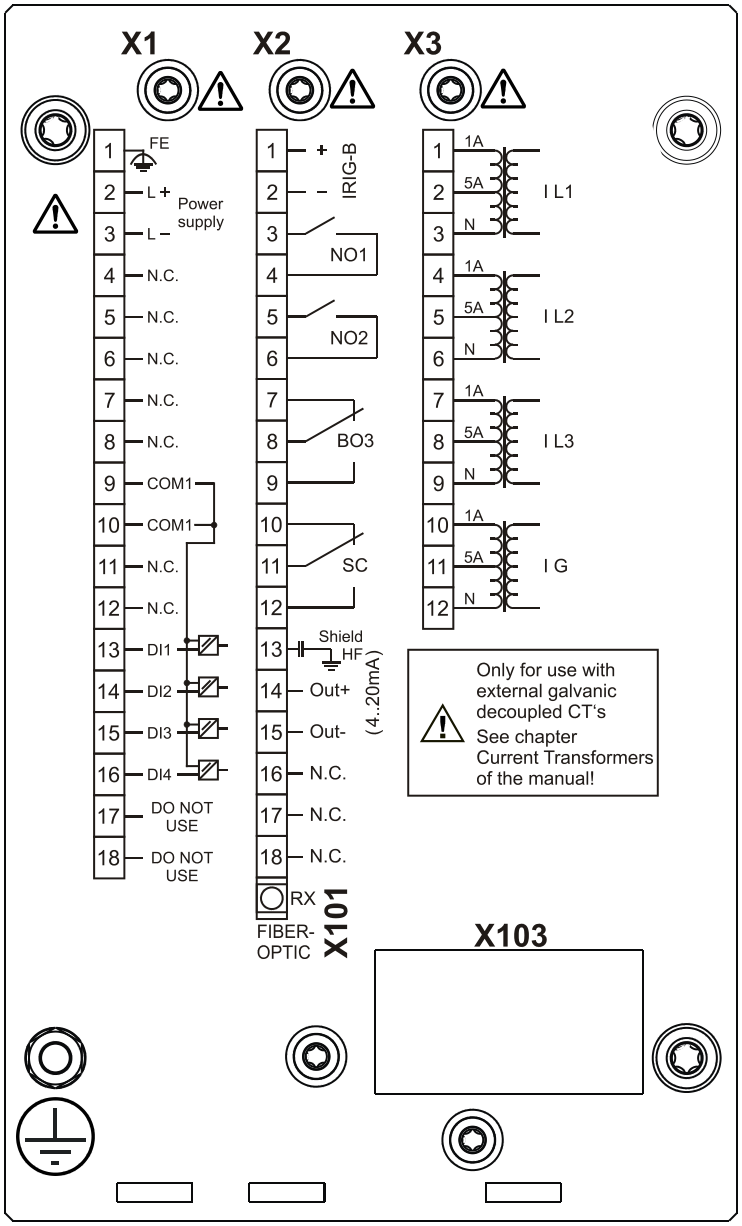
MRM4-2B0BLB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

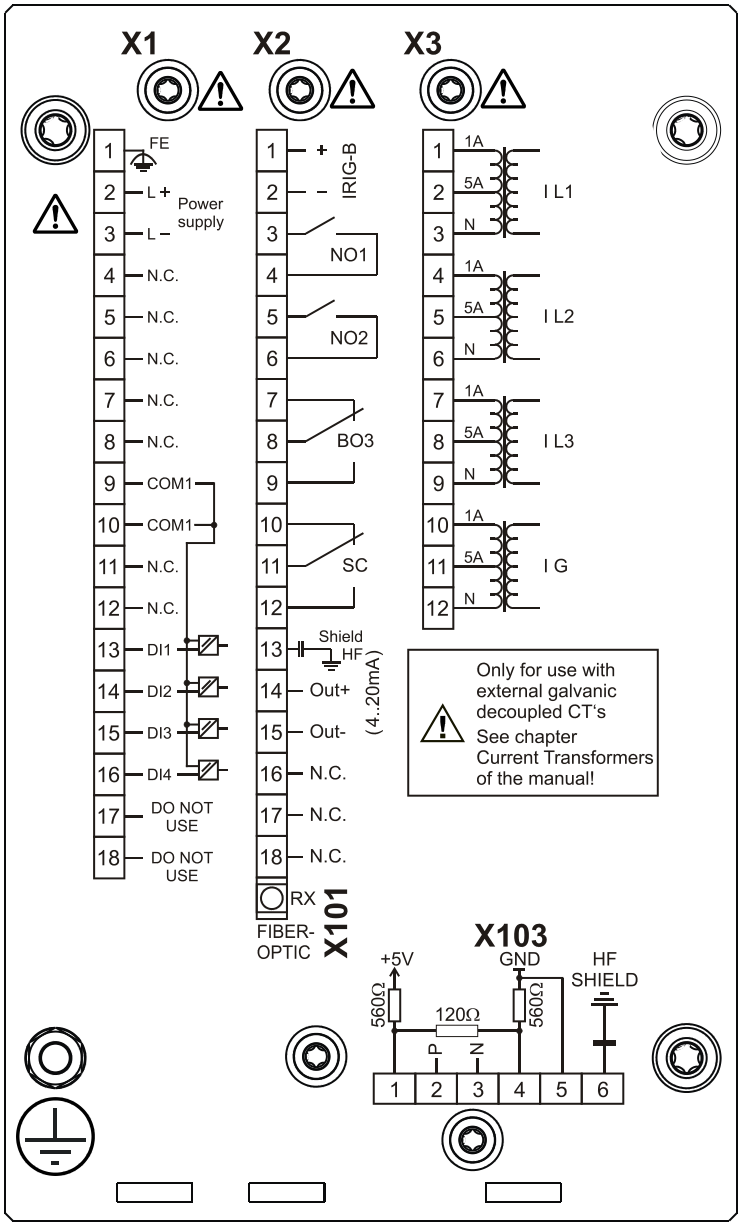
MRM4-2B0HAA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103

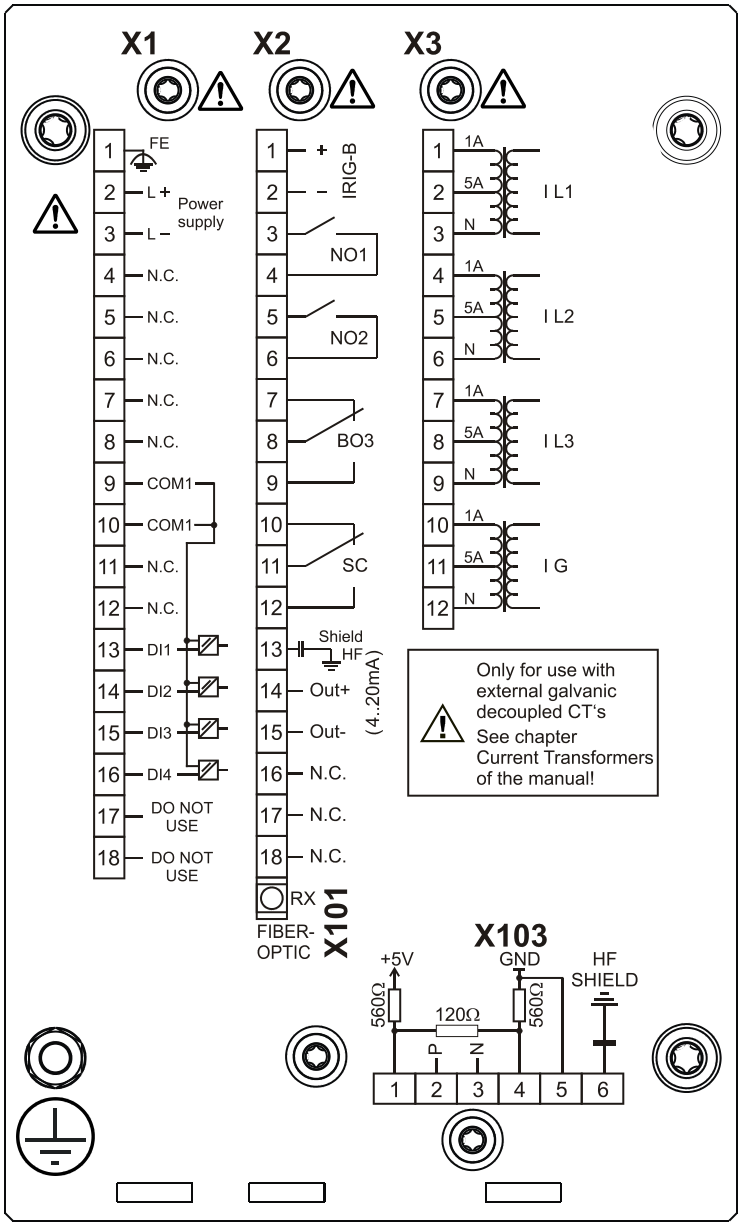
MRM4-2B0HAB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103

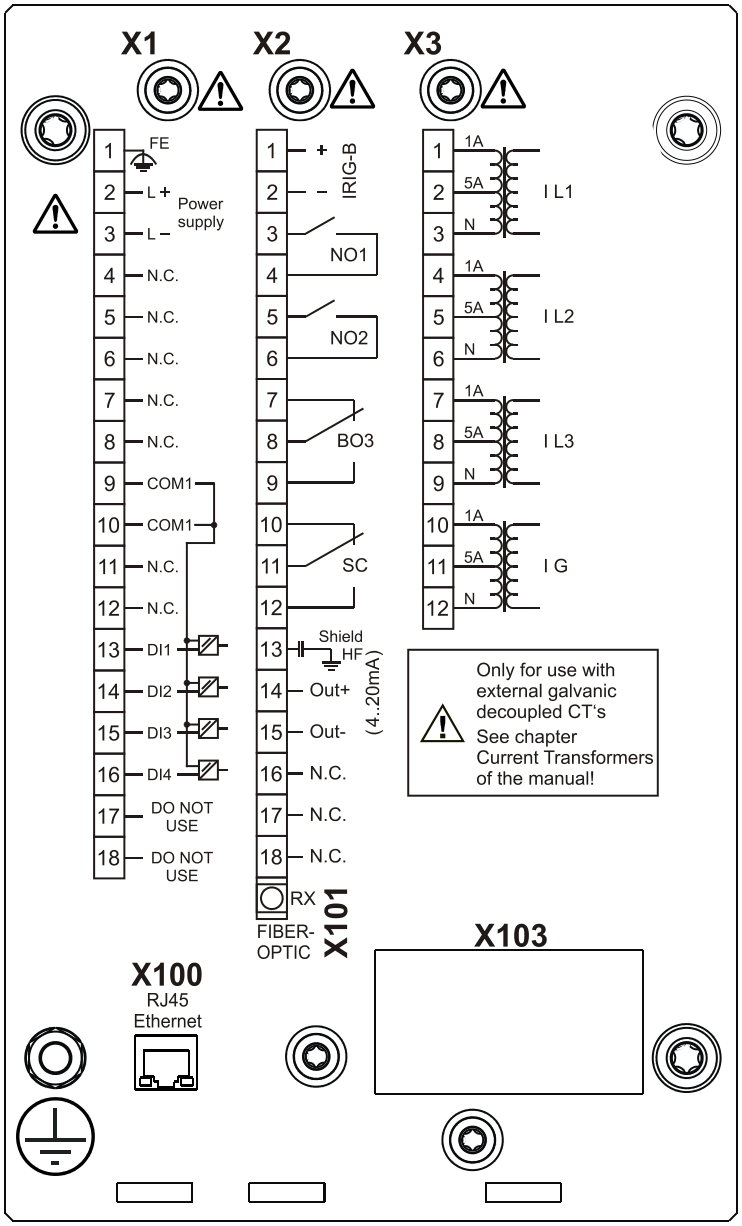
MRM4-2B0HBA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

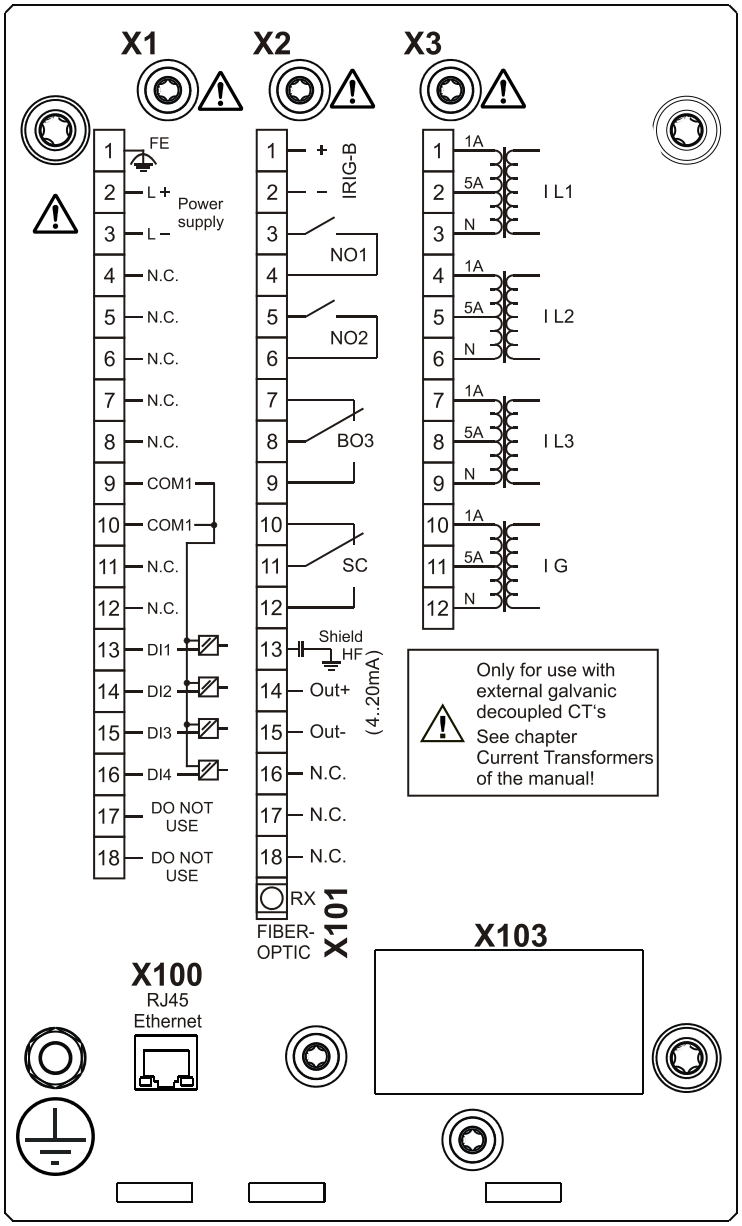
MRM4-2B0HBB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

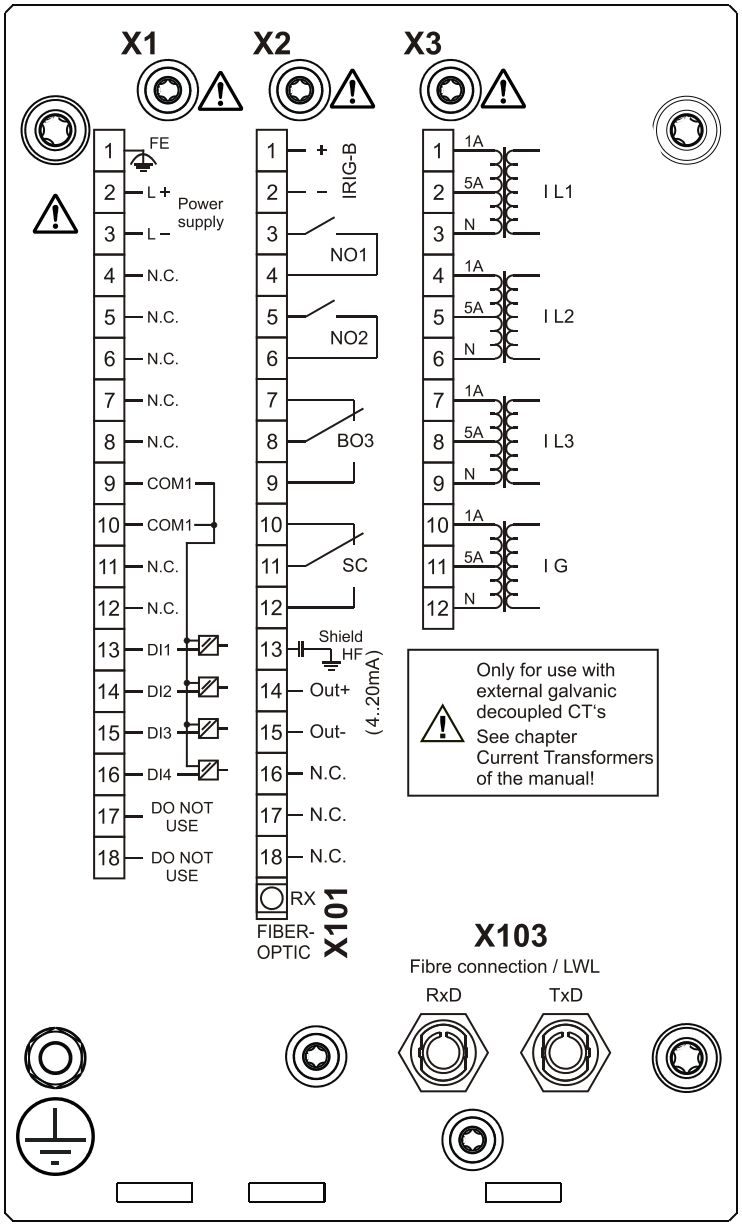
MRM4-2B0HCA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X103

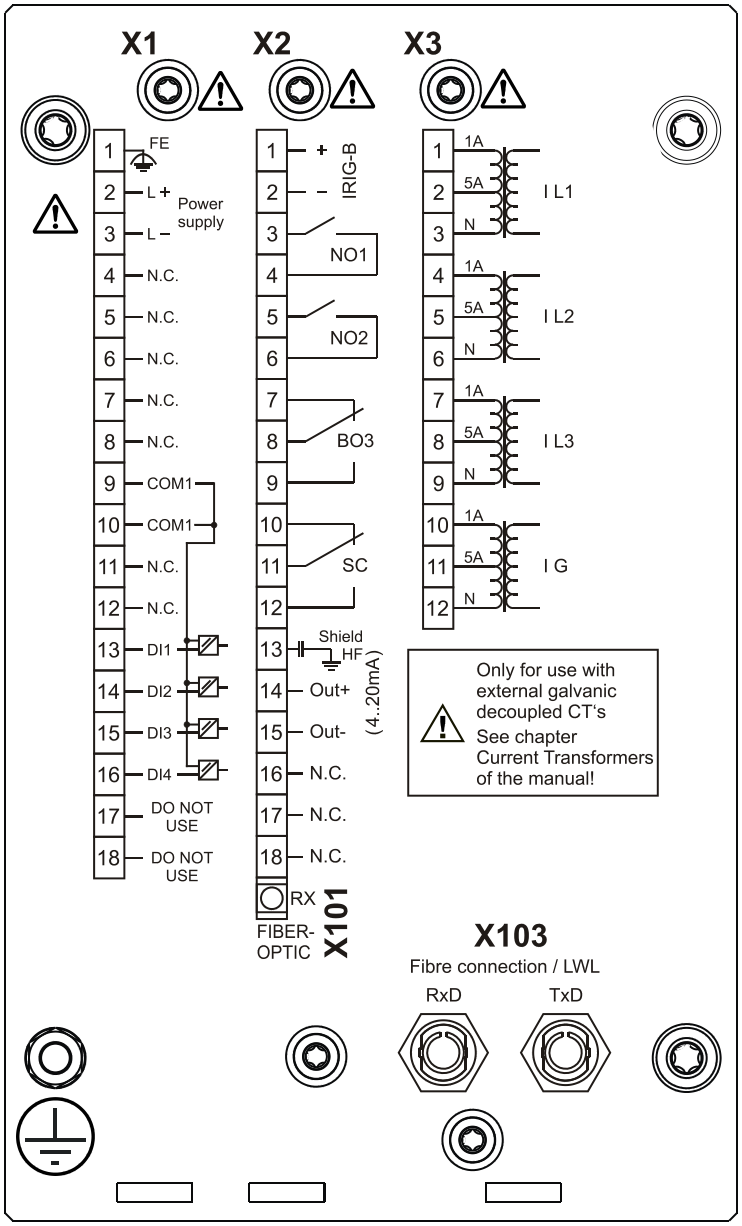
MRM4-2B0HCB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X103

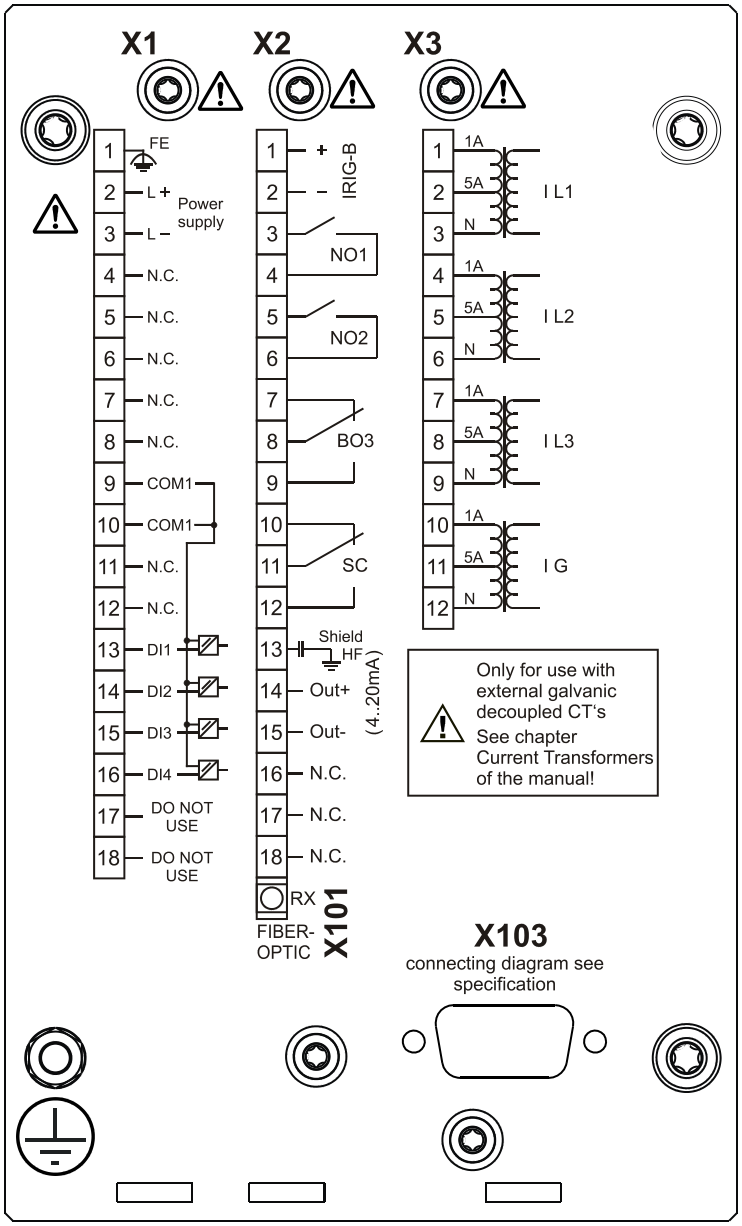
MRM4-2B0HDA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

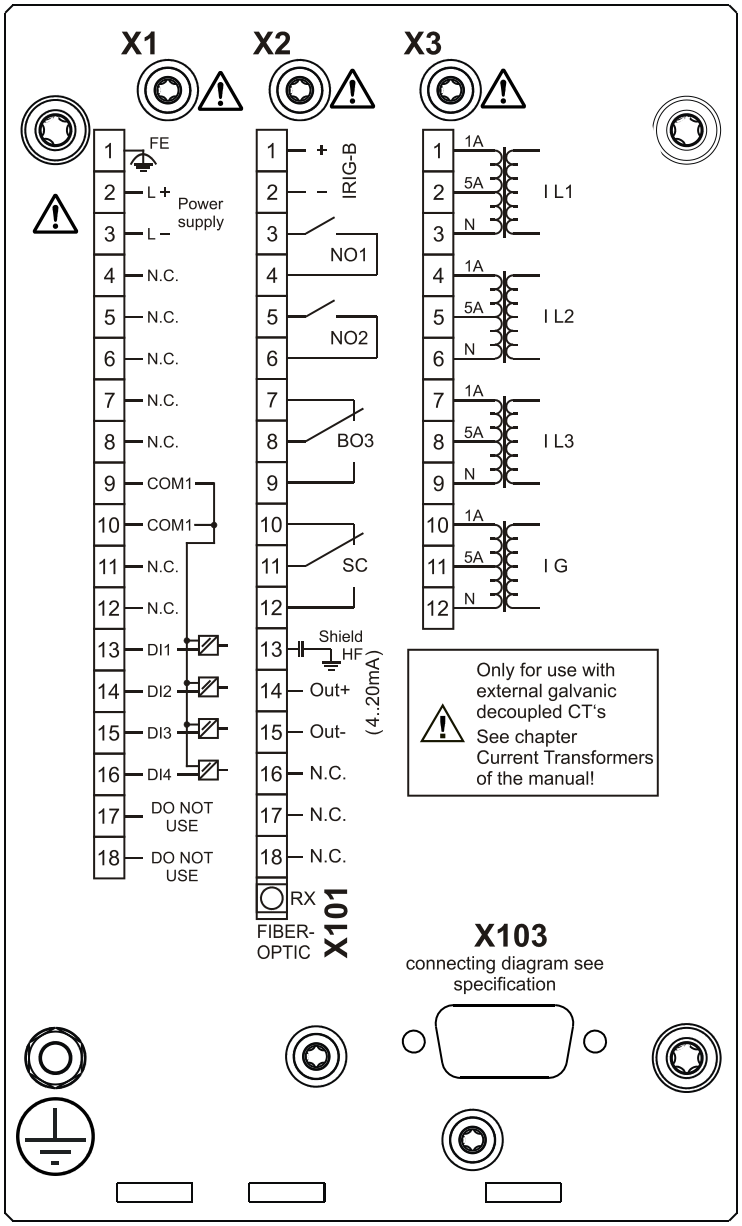
MRM4-2B0HDB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

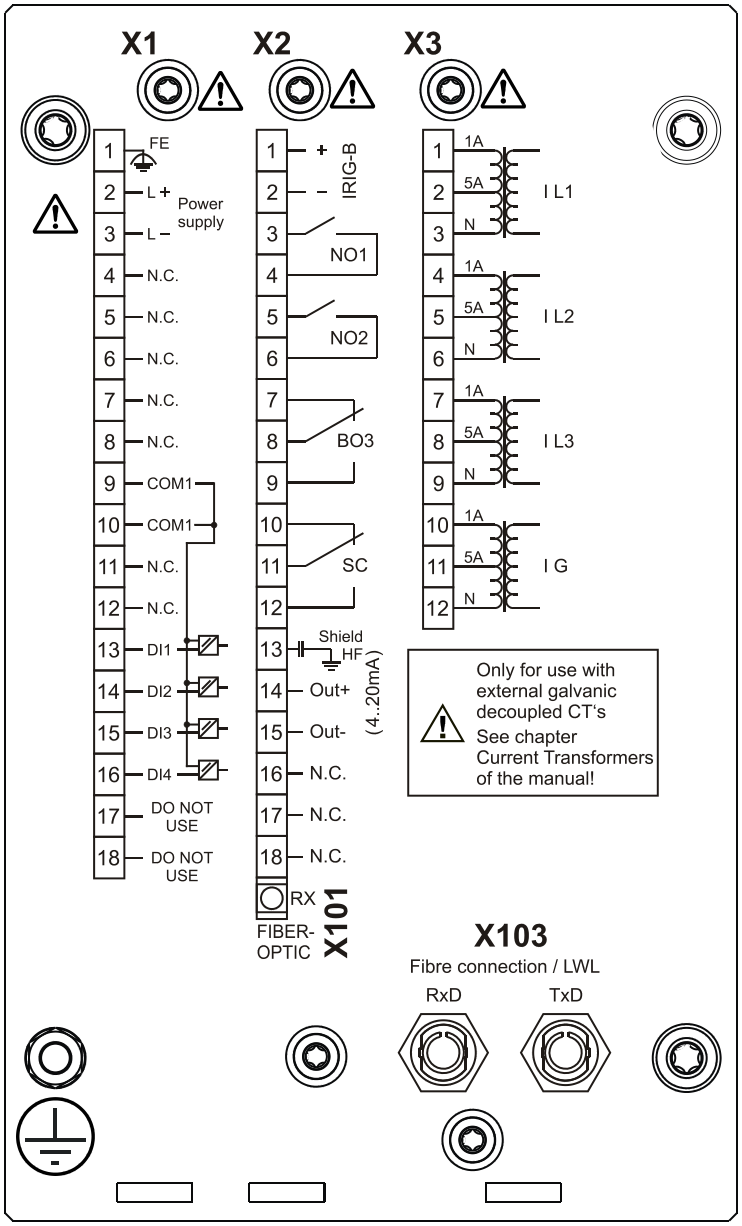
MRM4-2B0HEA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
connecting diagram see specification

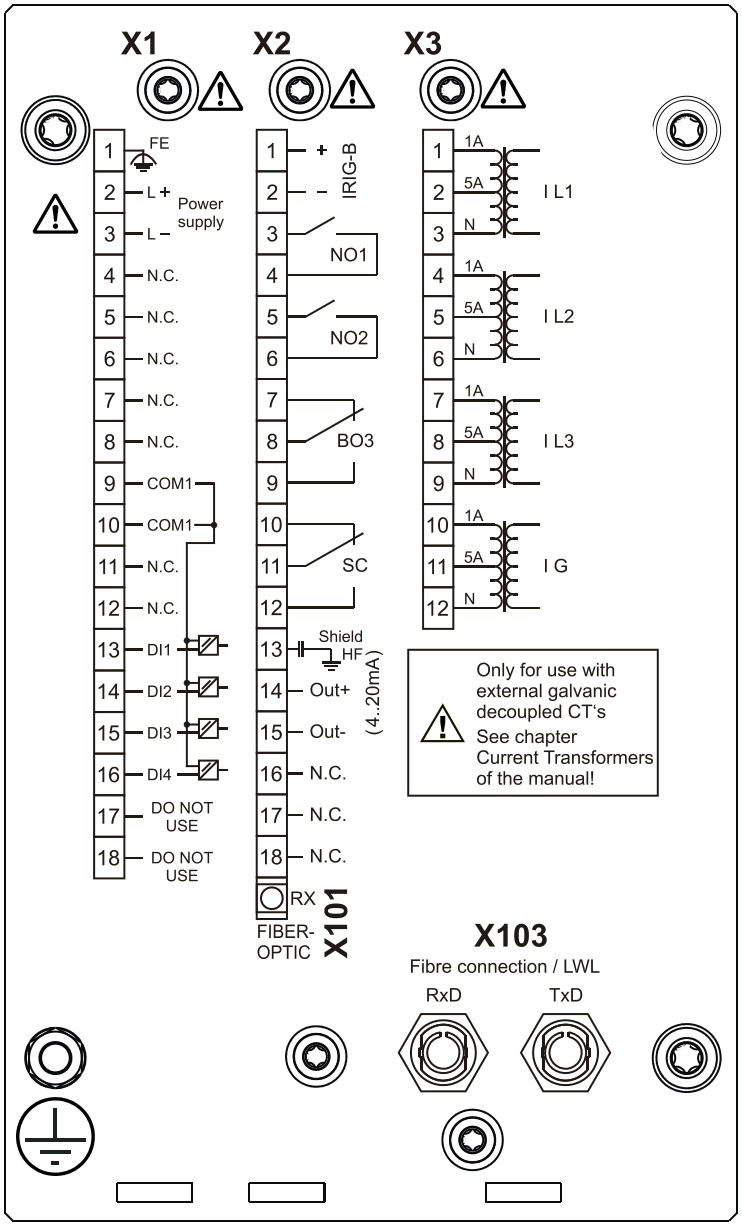
MRM4-2B0HEB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
connecting diagram see specification

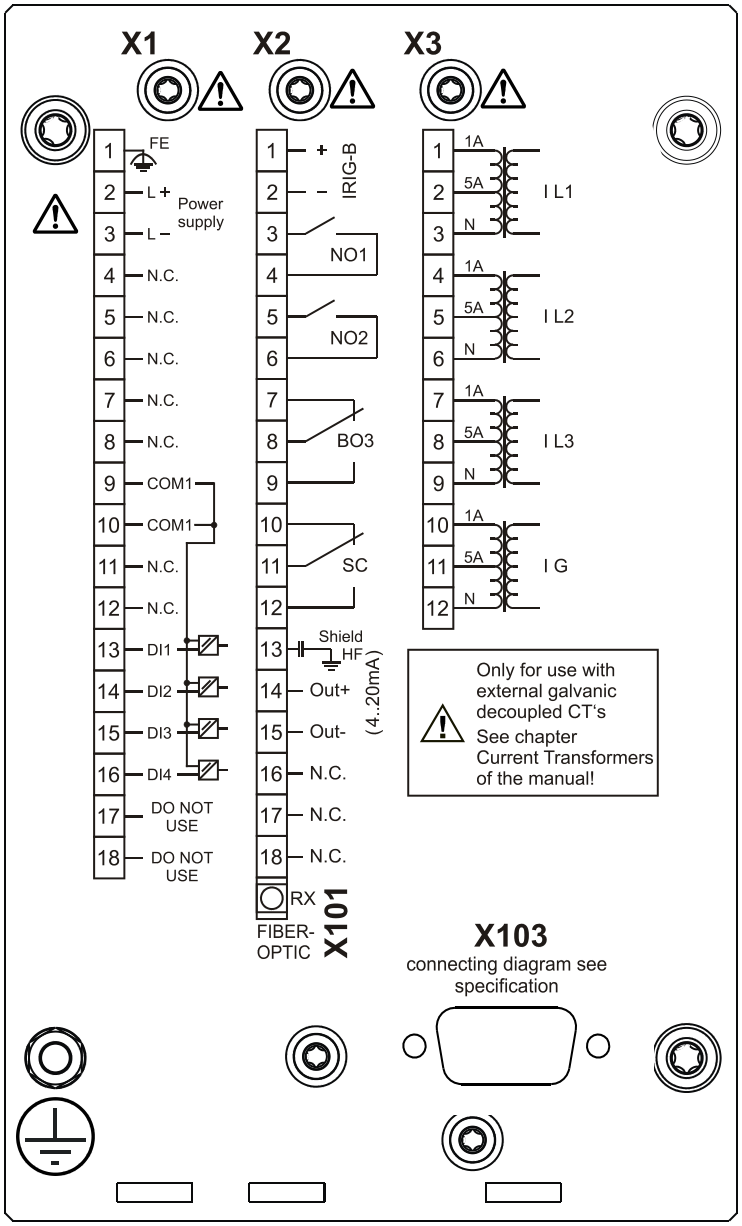
MRM4-2B0HFA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

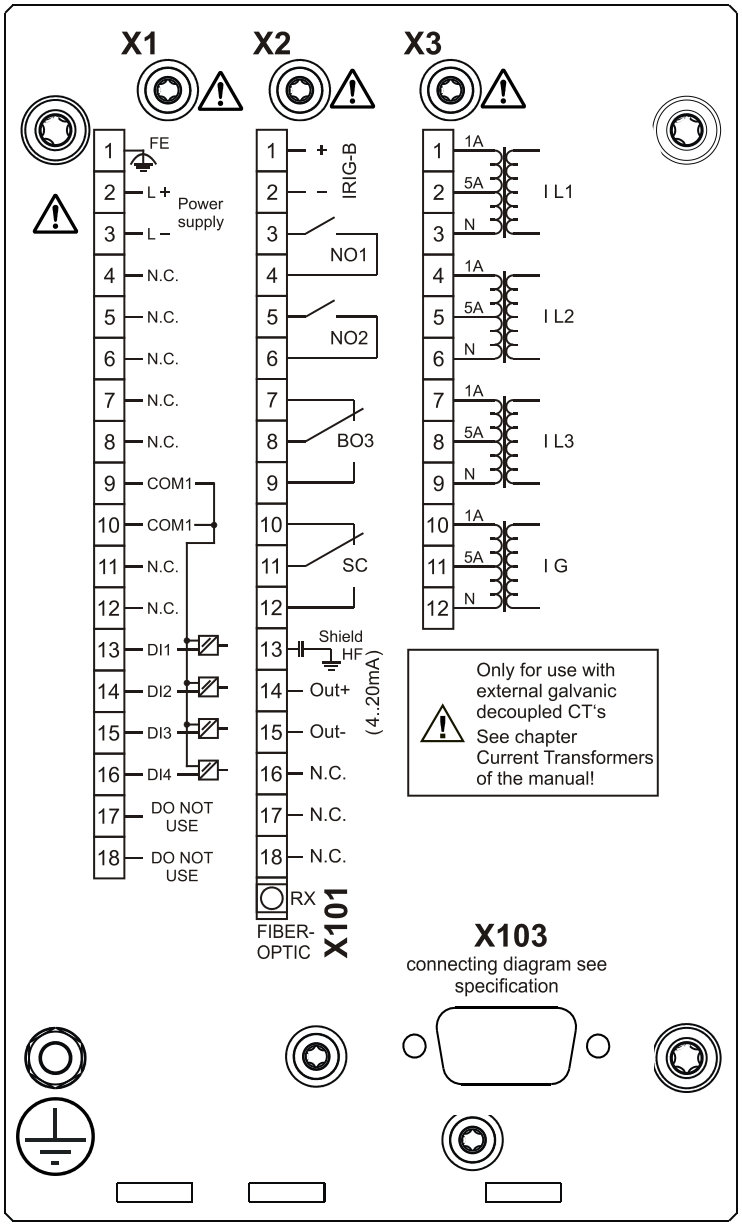
MRM4-2B0HFB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

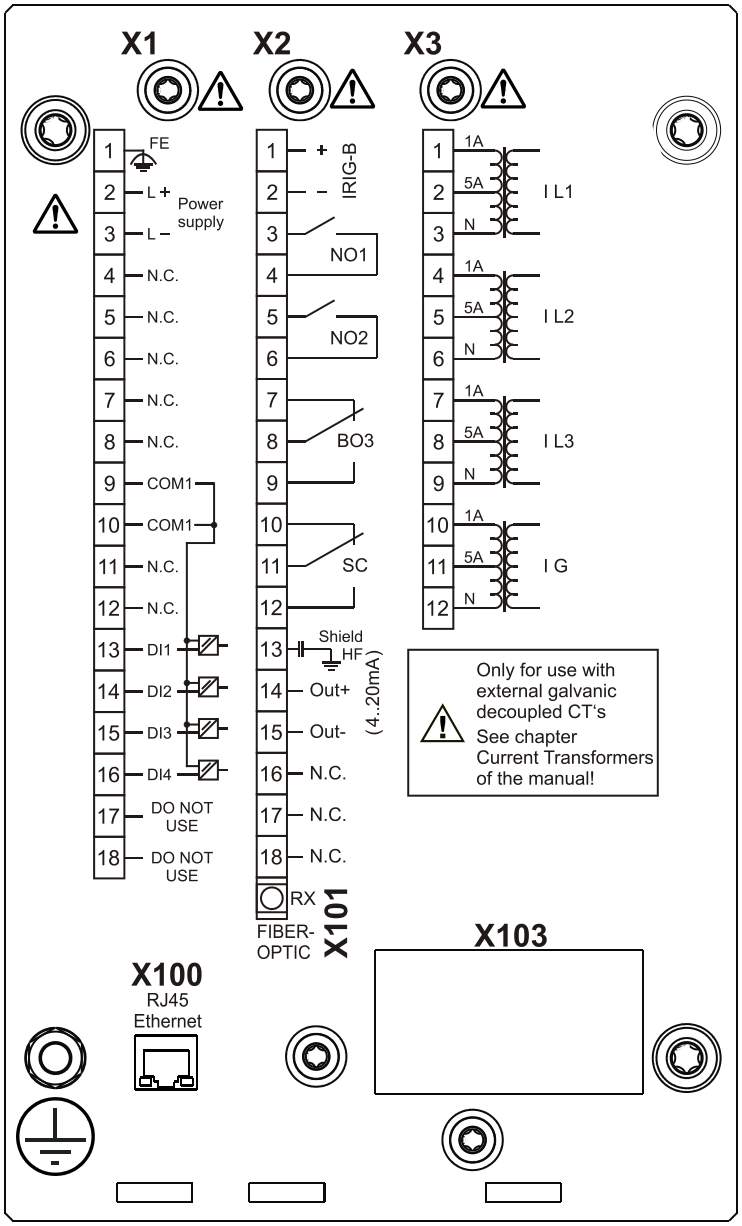
MRM4-2B0HGA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
connecting diagram see specification

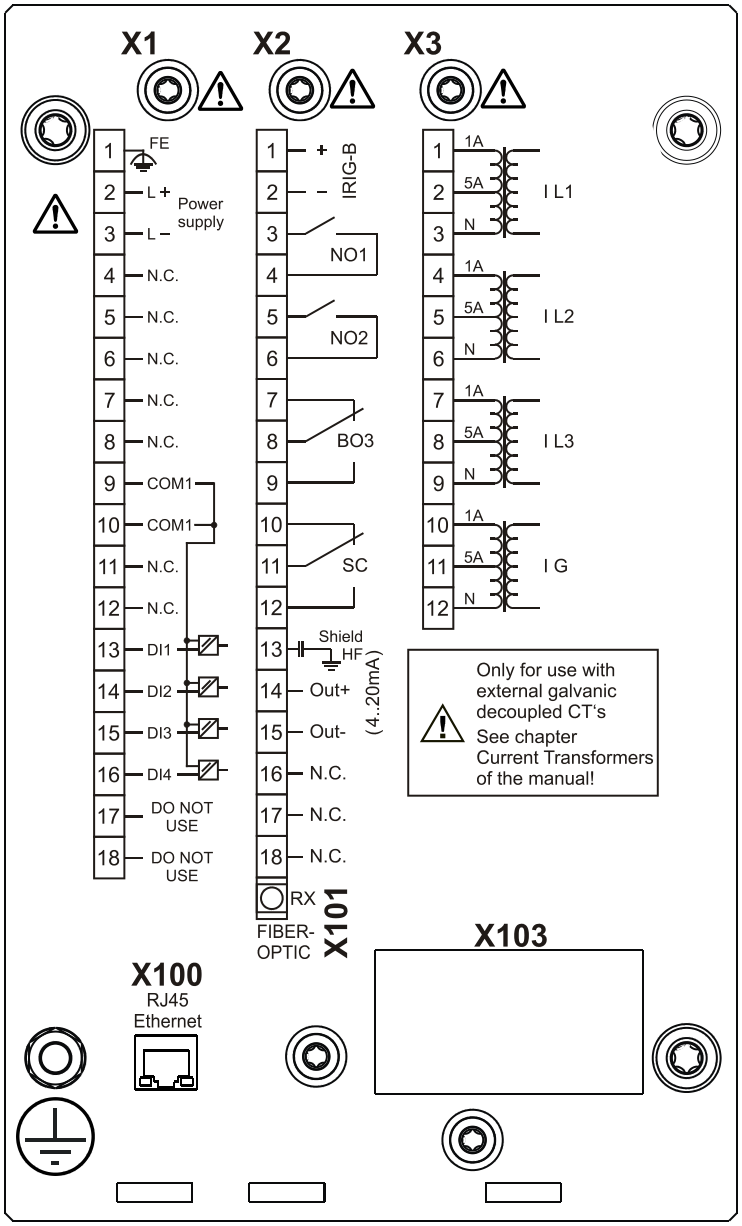
MRM4-2B0HGB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
connecting diagram see specification

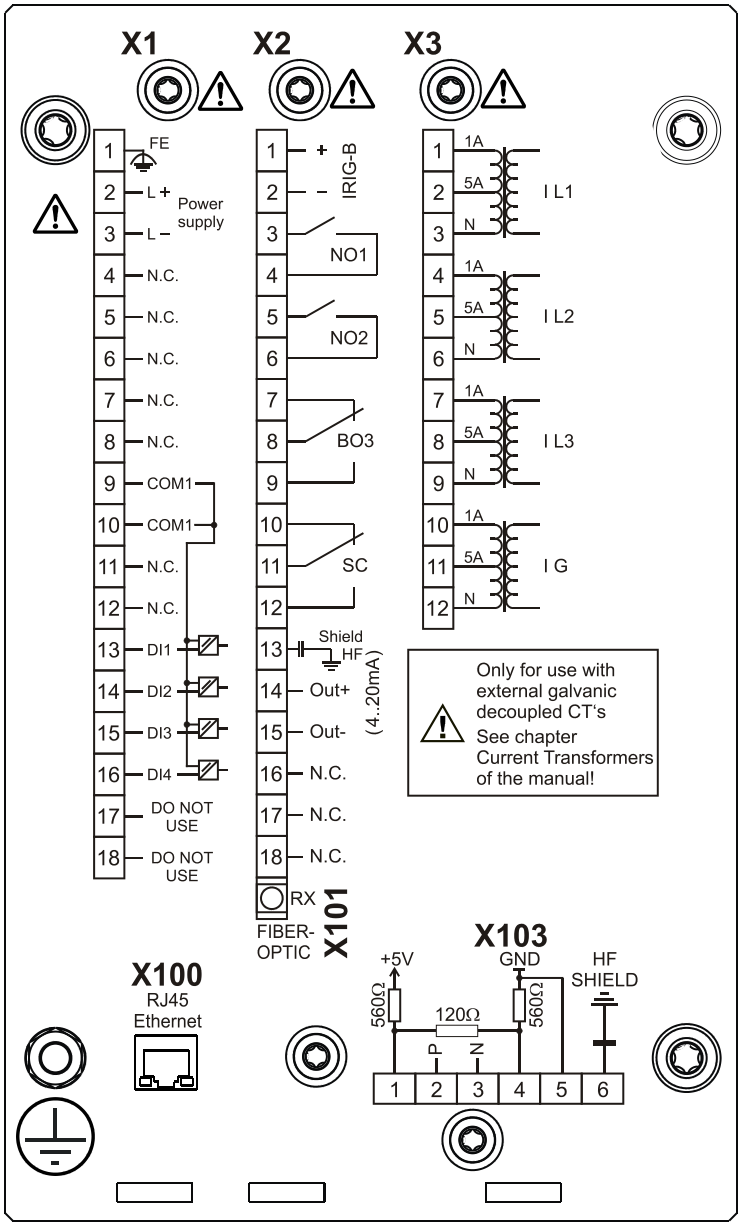
MRM4-2B0HHA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X103

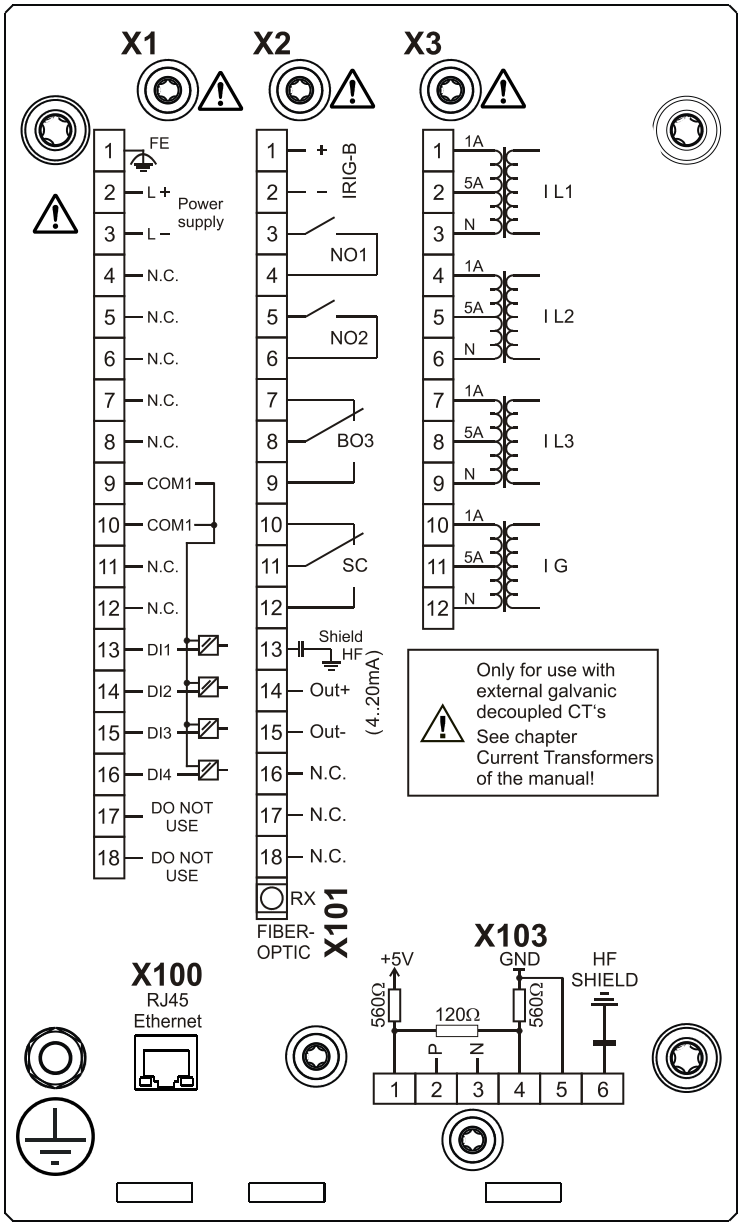
MRM4-2B0HHB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X103

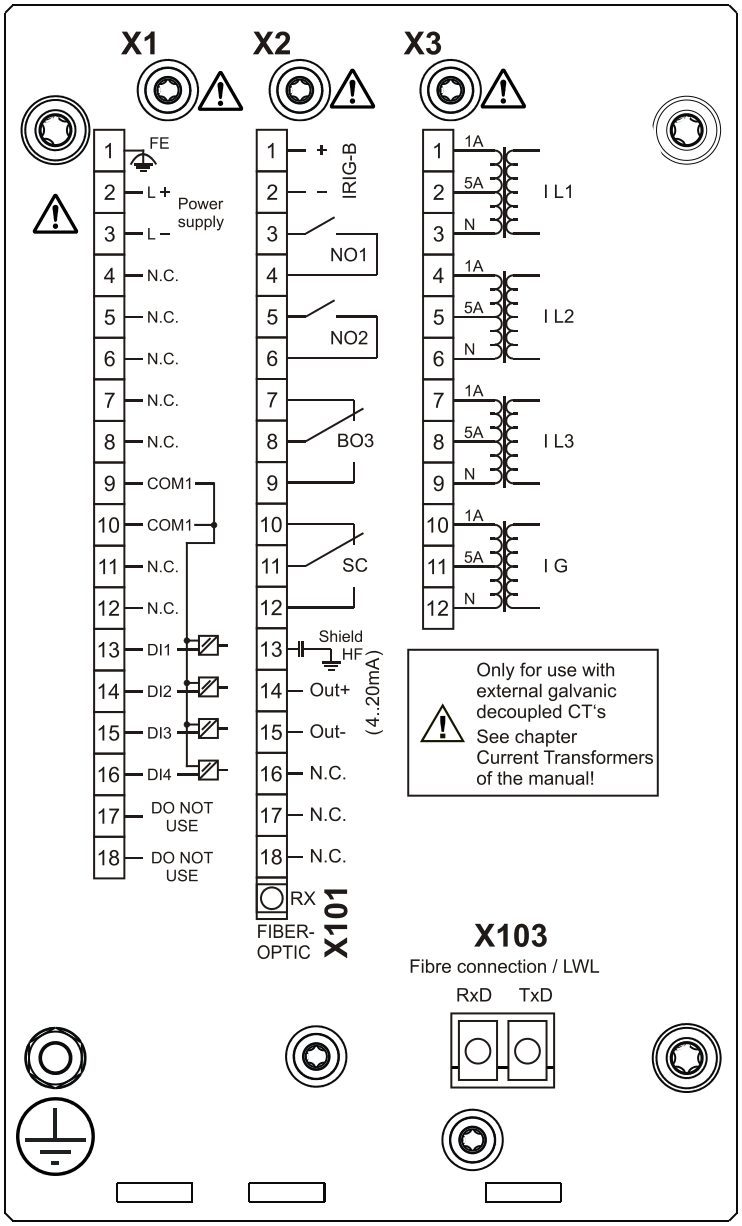
MRM4-2B0HIA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

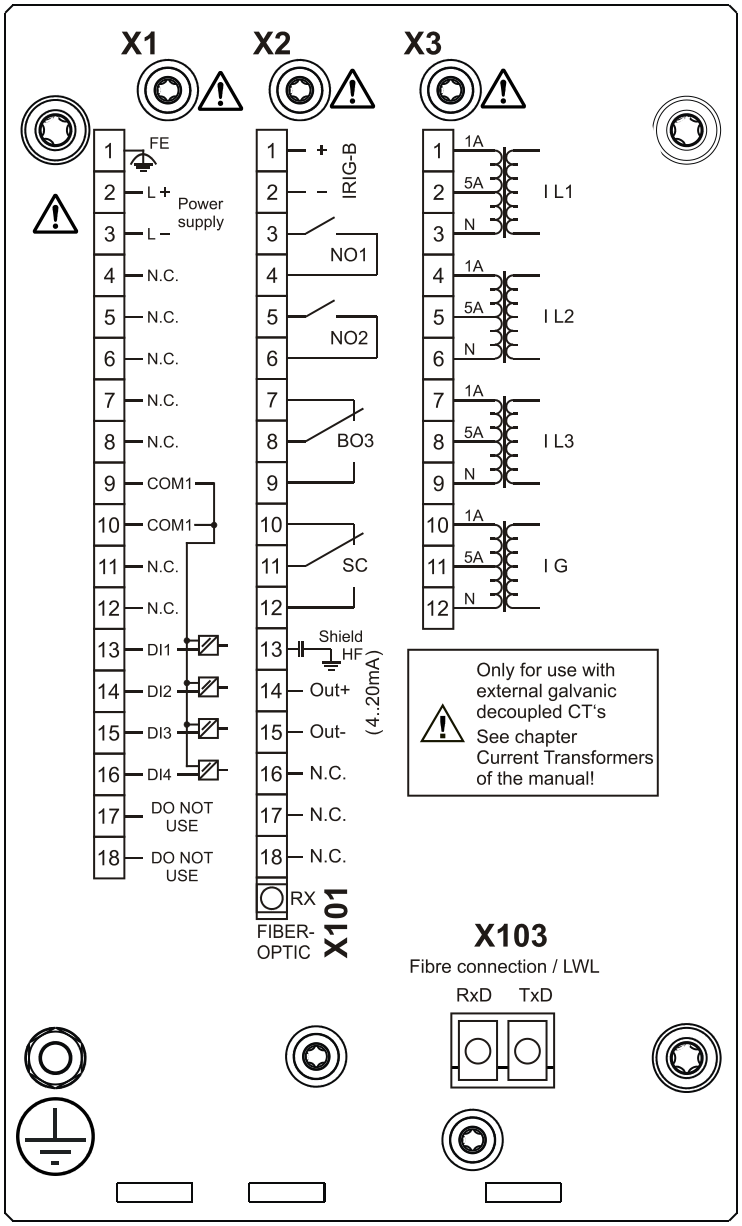
MRM4-2B0HIB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X100
RJ45
Ethernet
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

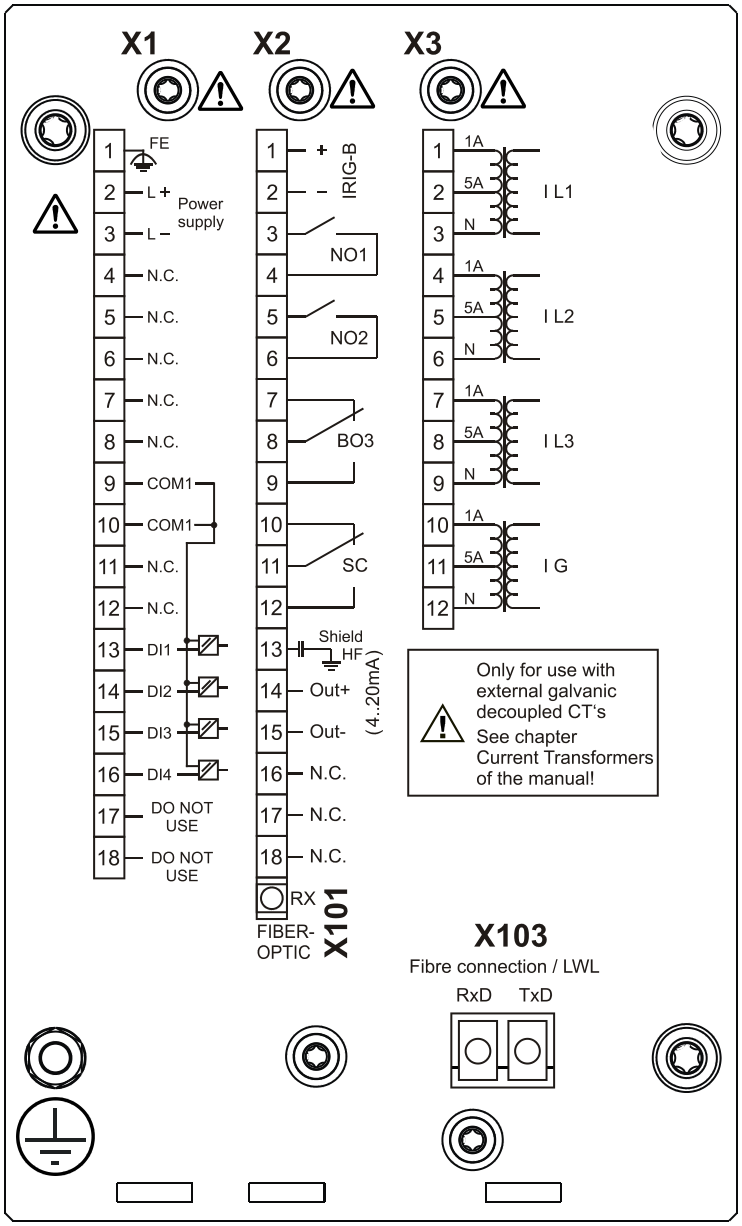
MRM4-2B0HKA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

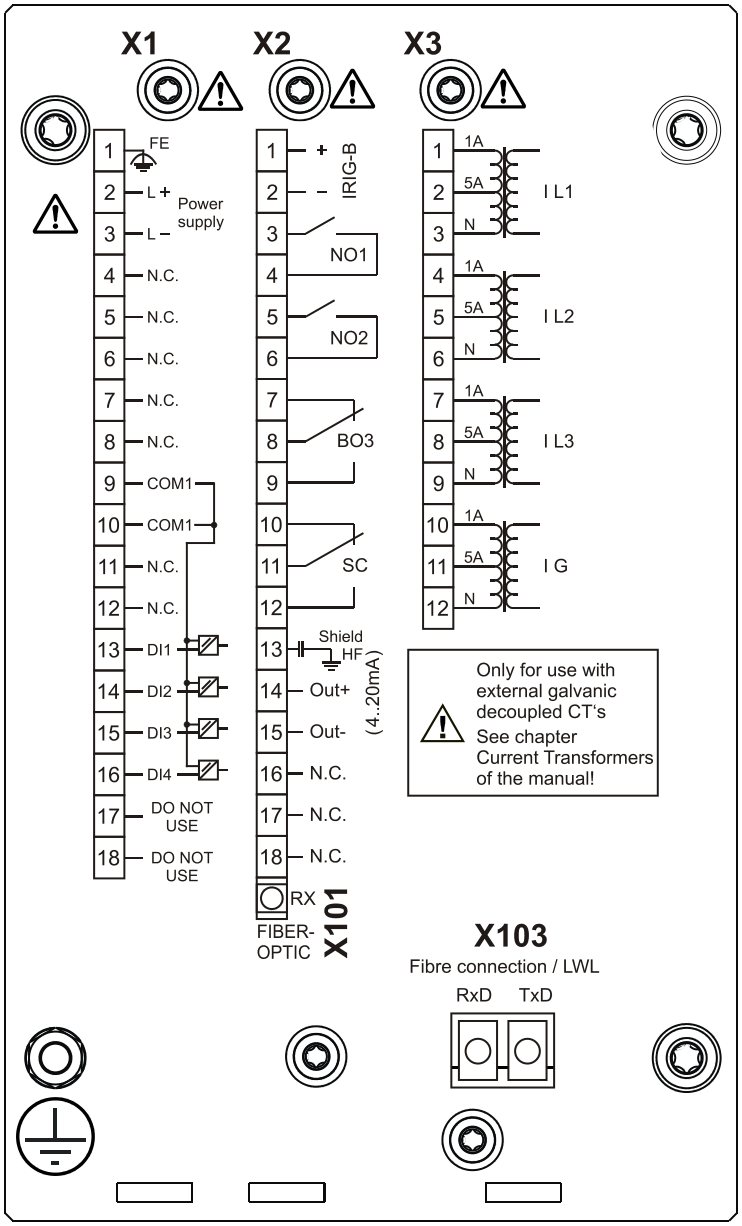
MRM4-2B0HKB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

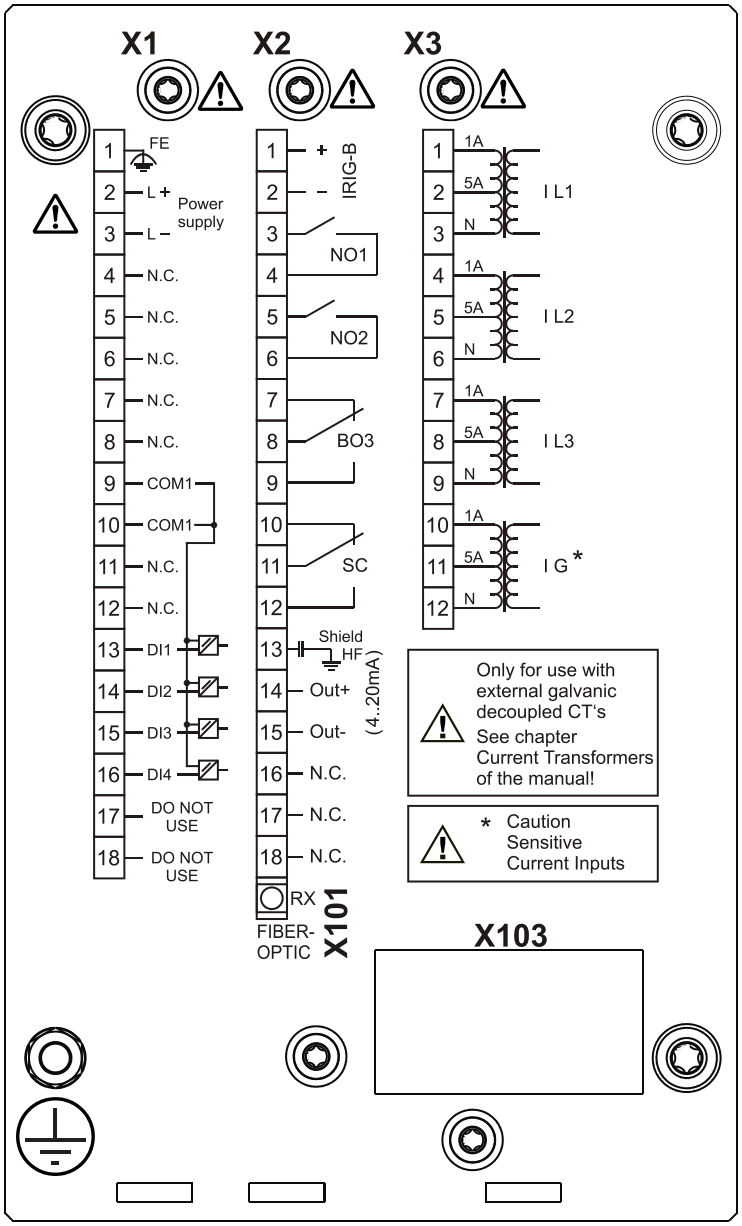
MRM4-2B0HLA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

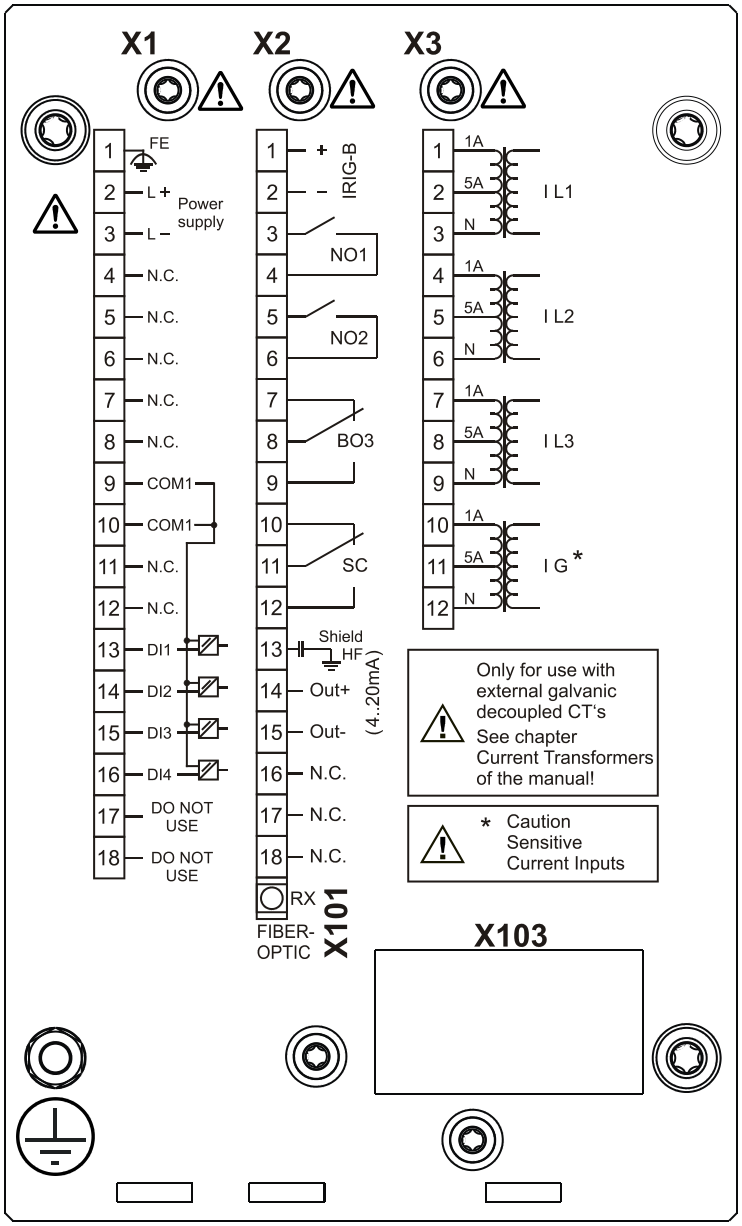
MRM4-2B0HLB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
X103
Fibre connection / LWL
RxD
TxD

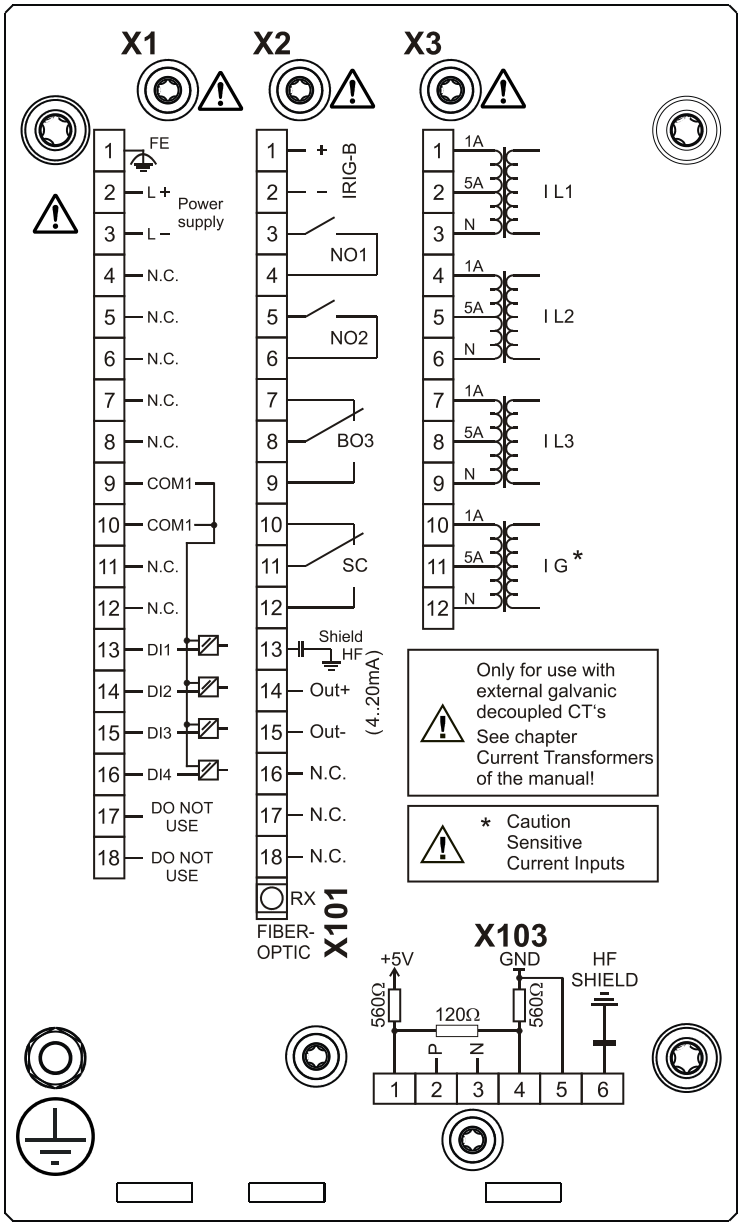
MRM4-2B1AAA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103

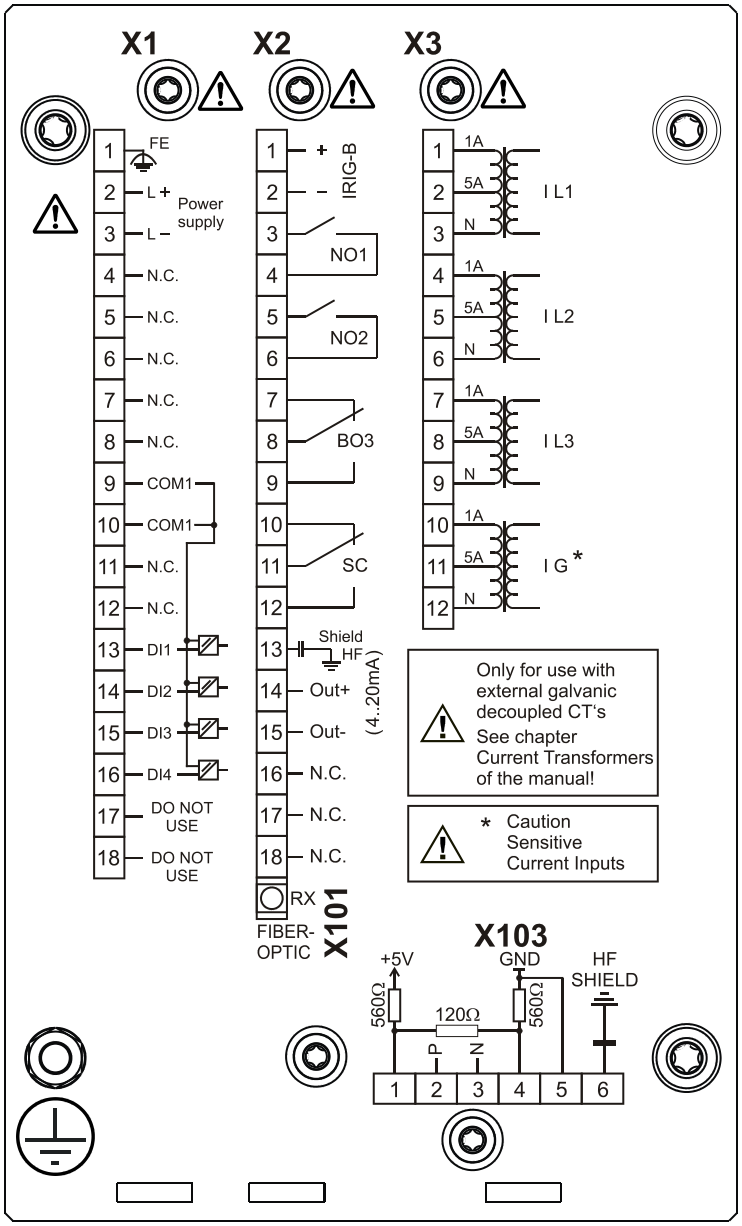
MRM4-2B1AAB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103

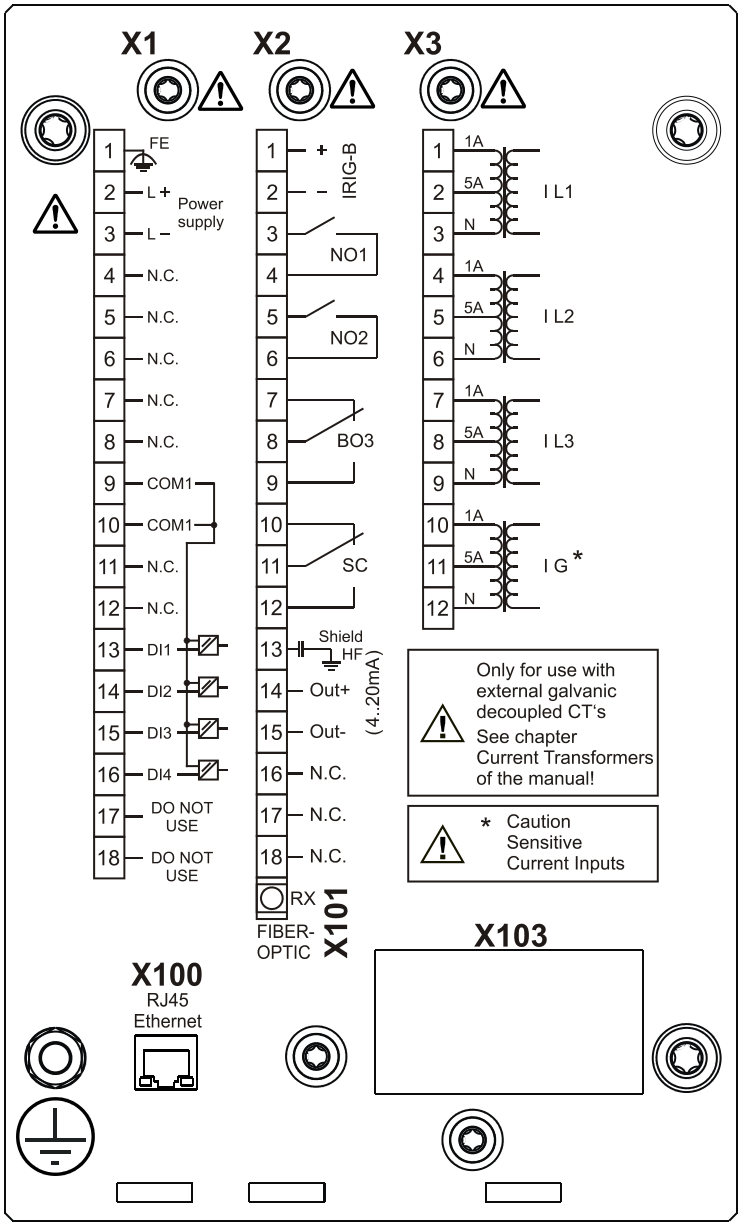
MRM4-2B1ABA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

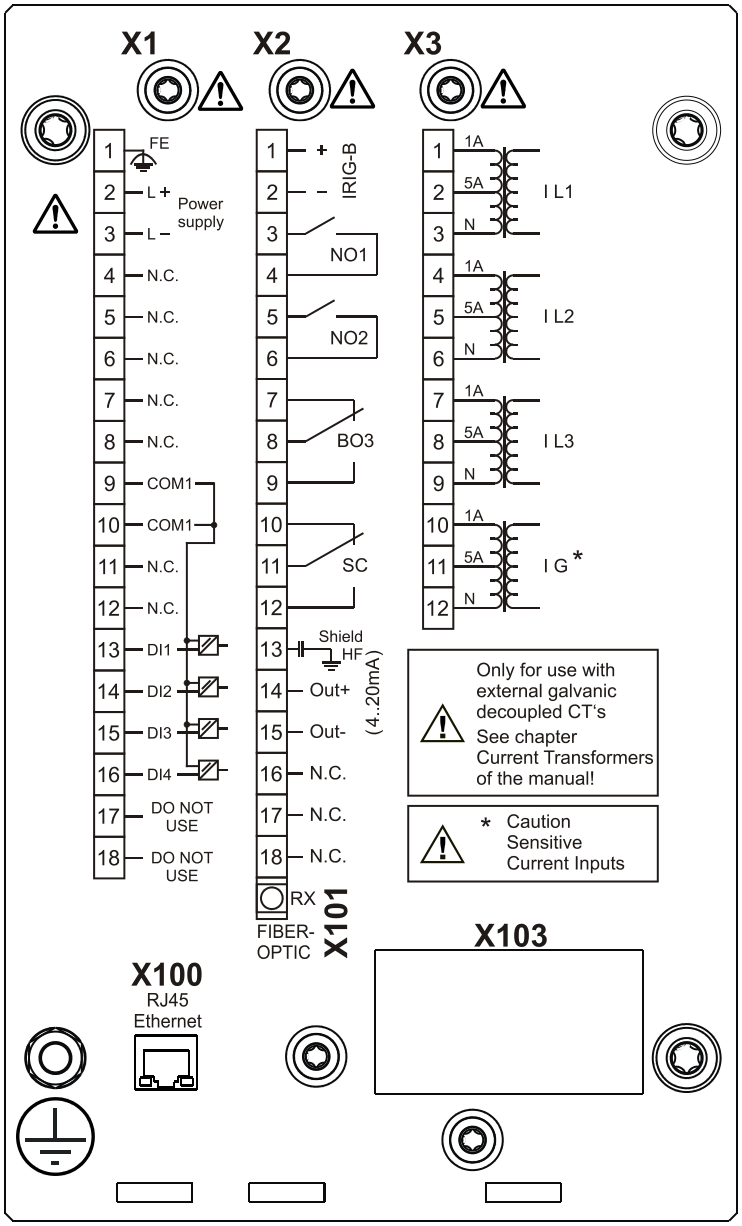
MRM4-2B1ABB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

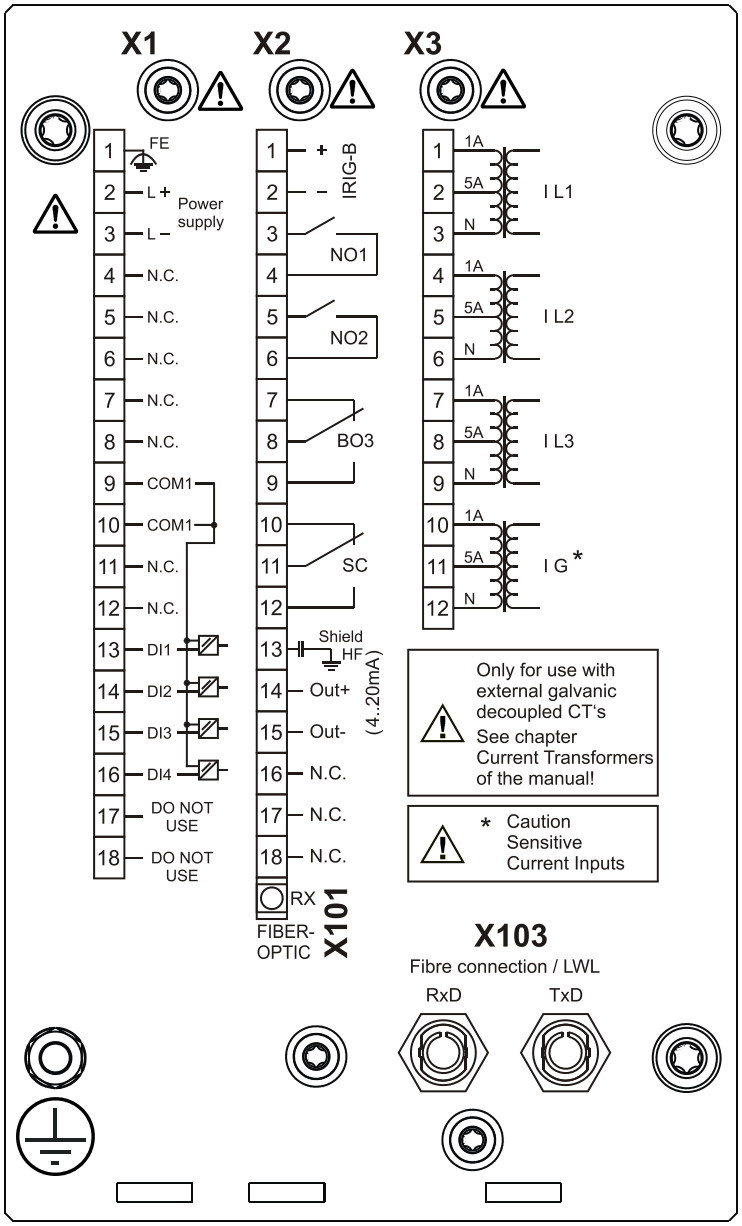
MRM4-2B1ACA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X103

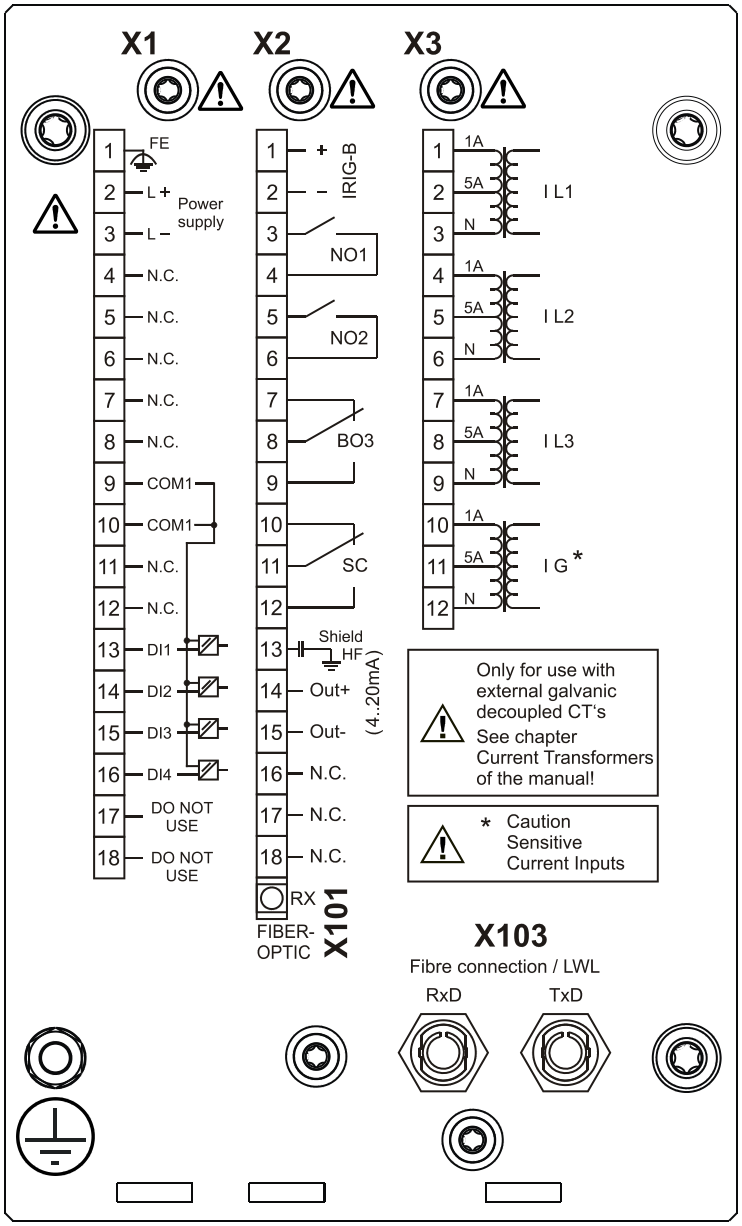
MRM4-2B1ACB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X103

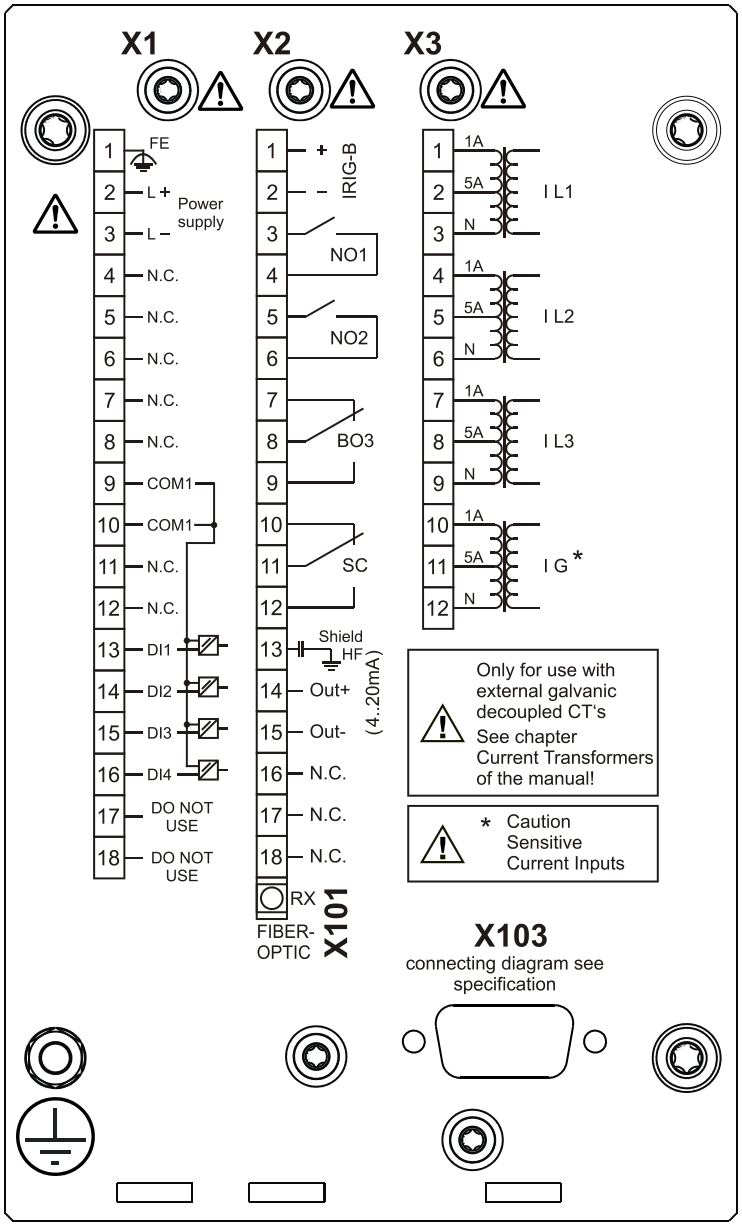
MRM4-2B1ADA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD
TxD

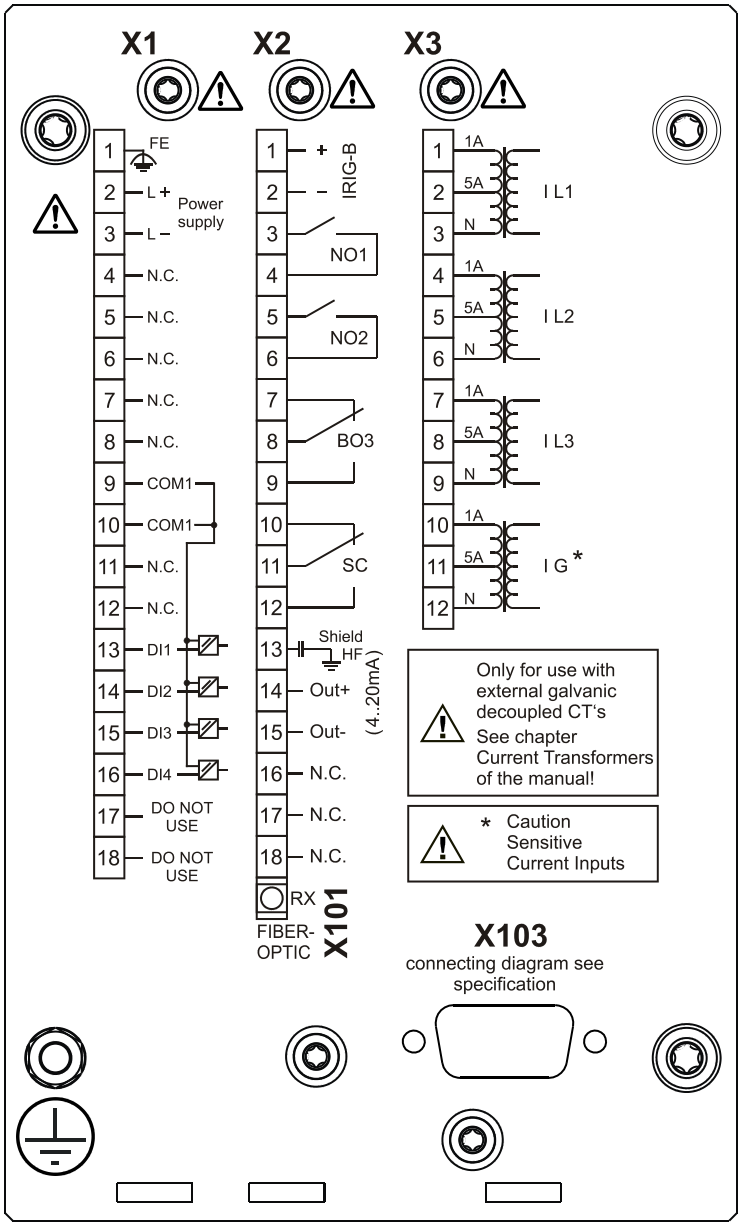
MRM4-2B1ADB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD
TxD

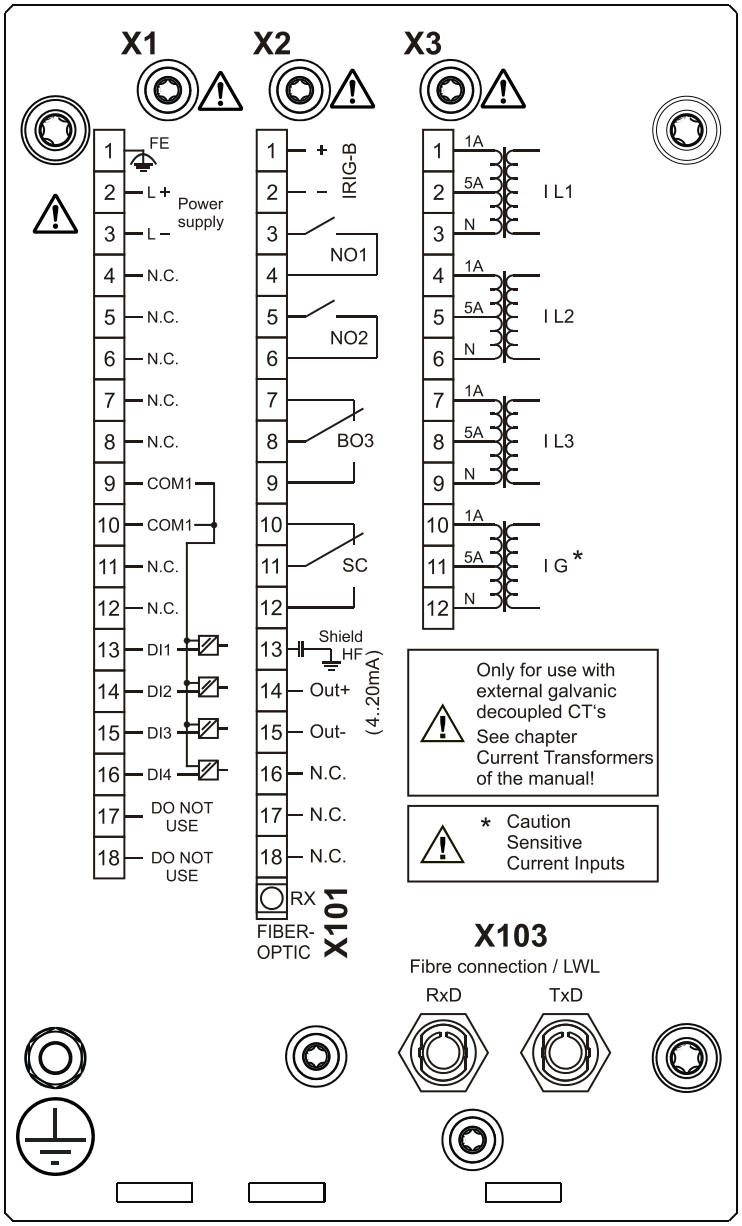
MRM4-2B1AEA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
connecting diagram see specification

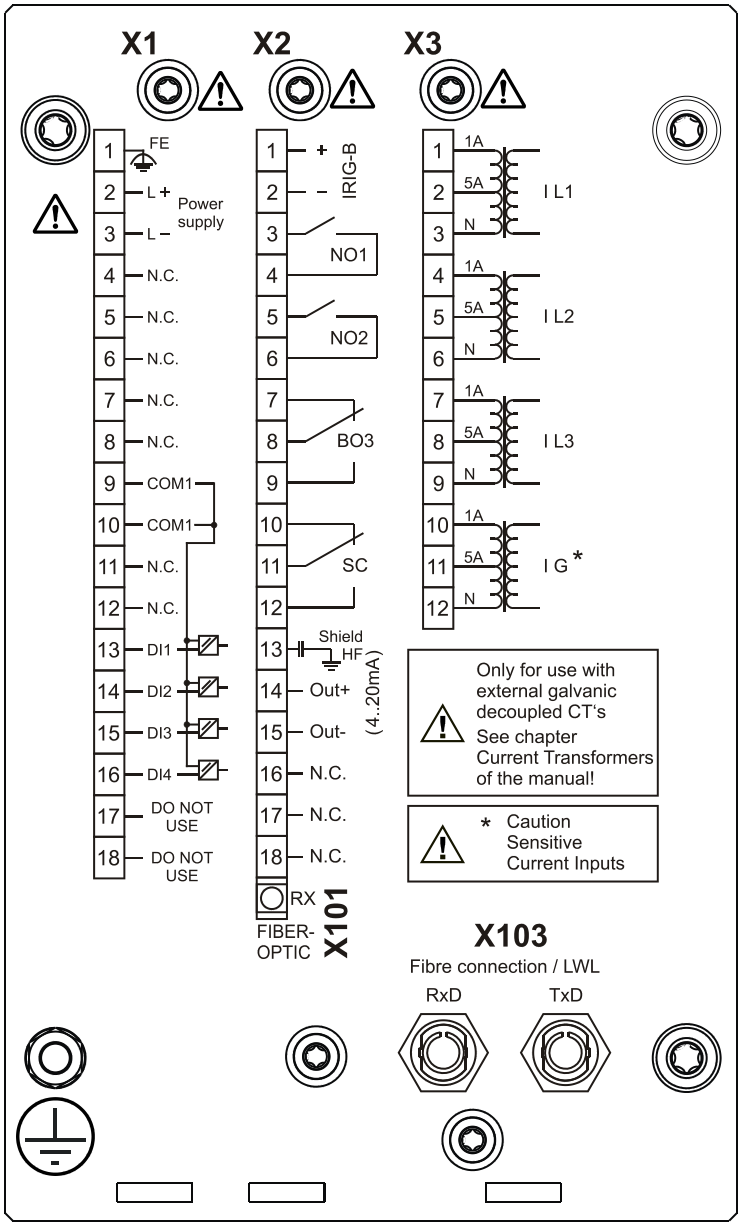
MRM4-2B1AEB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
connecting diagram see specification

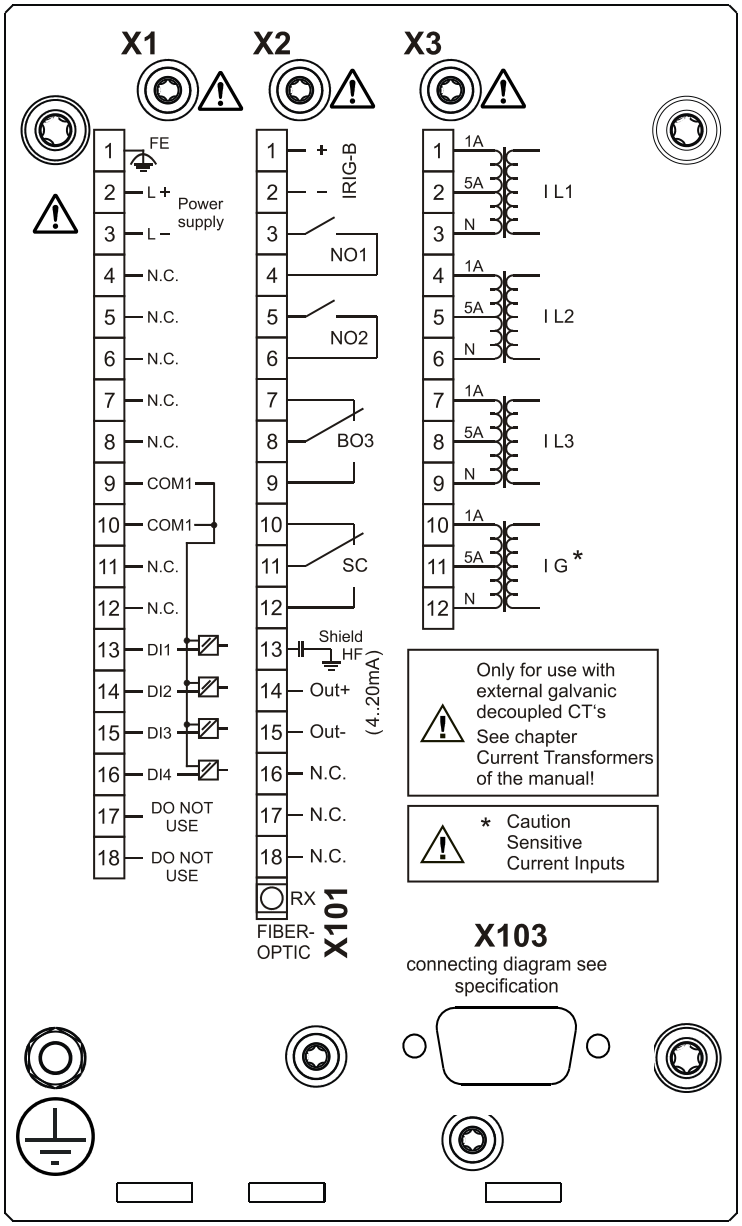
MRM4-2B1AFA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD
TxD

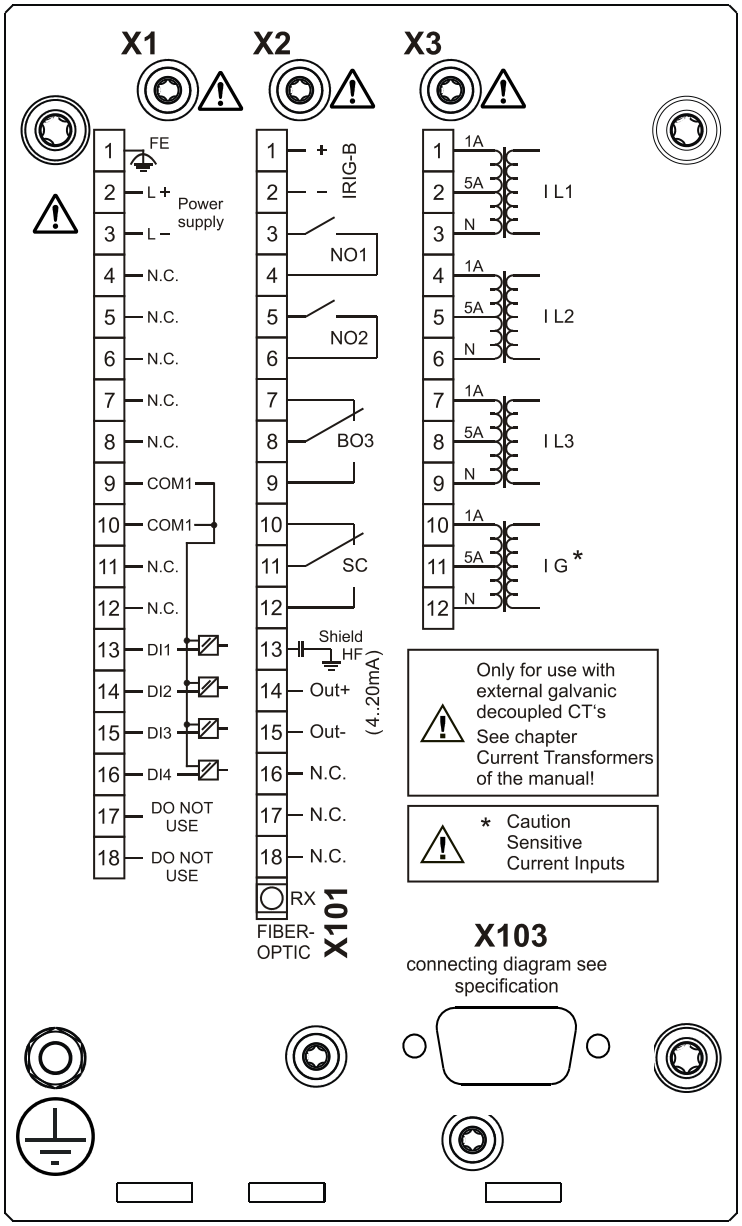
MRM4-2B1AFB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD
TxD

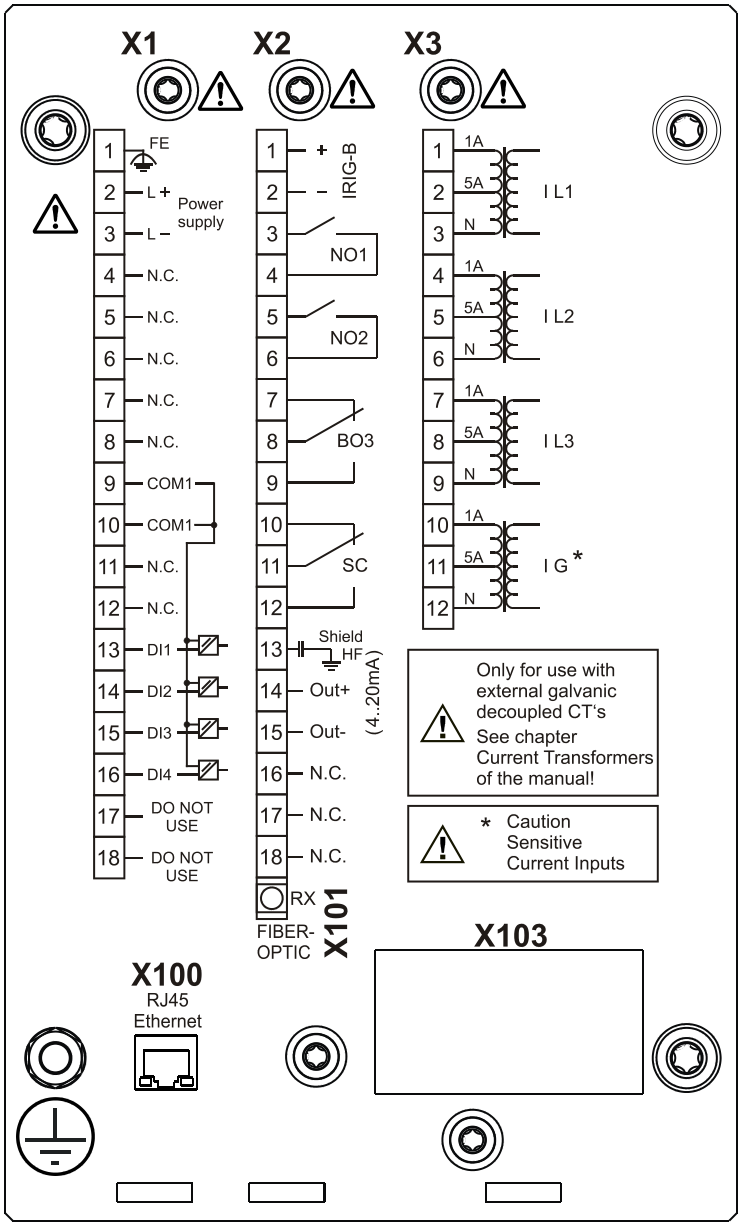
MRM4-2B1AGA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
connecting diagram see specification

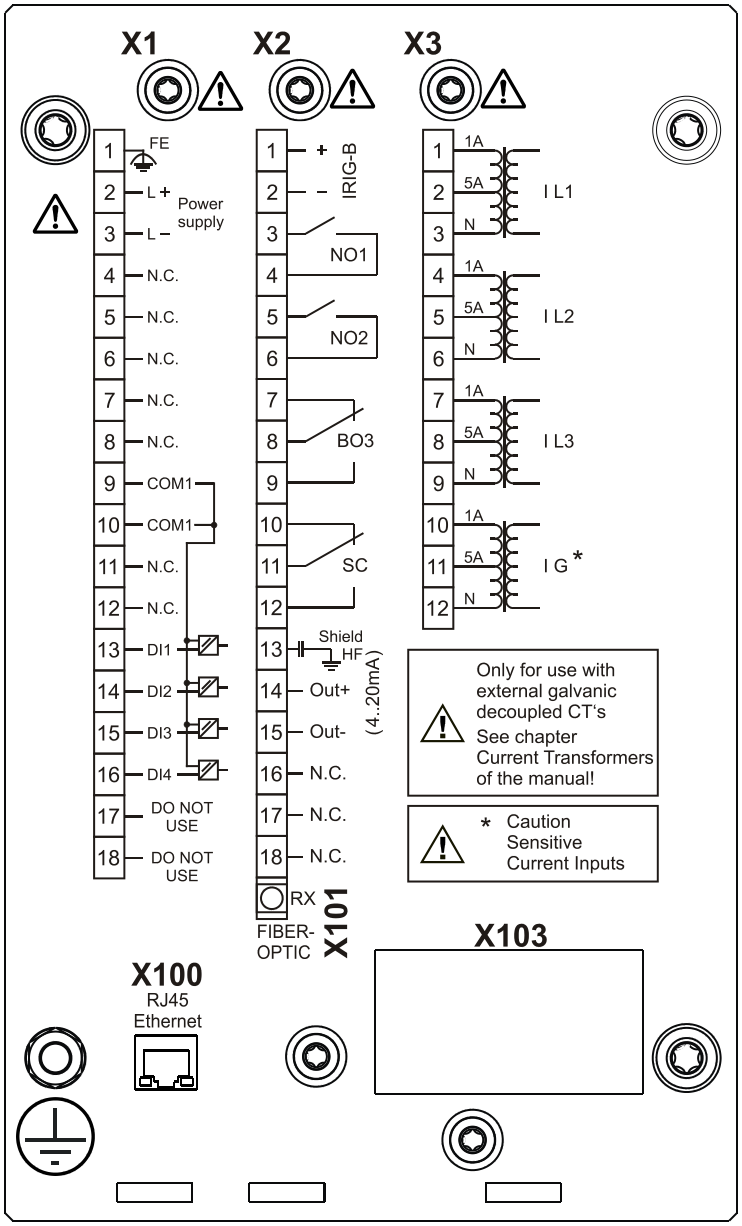
MRM4-2B1AGB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
connecting diagram see specification

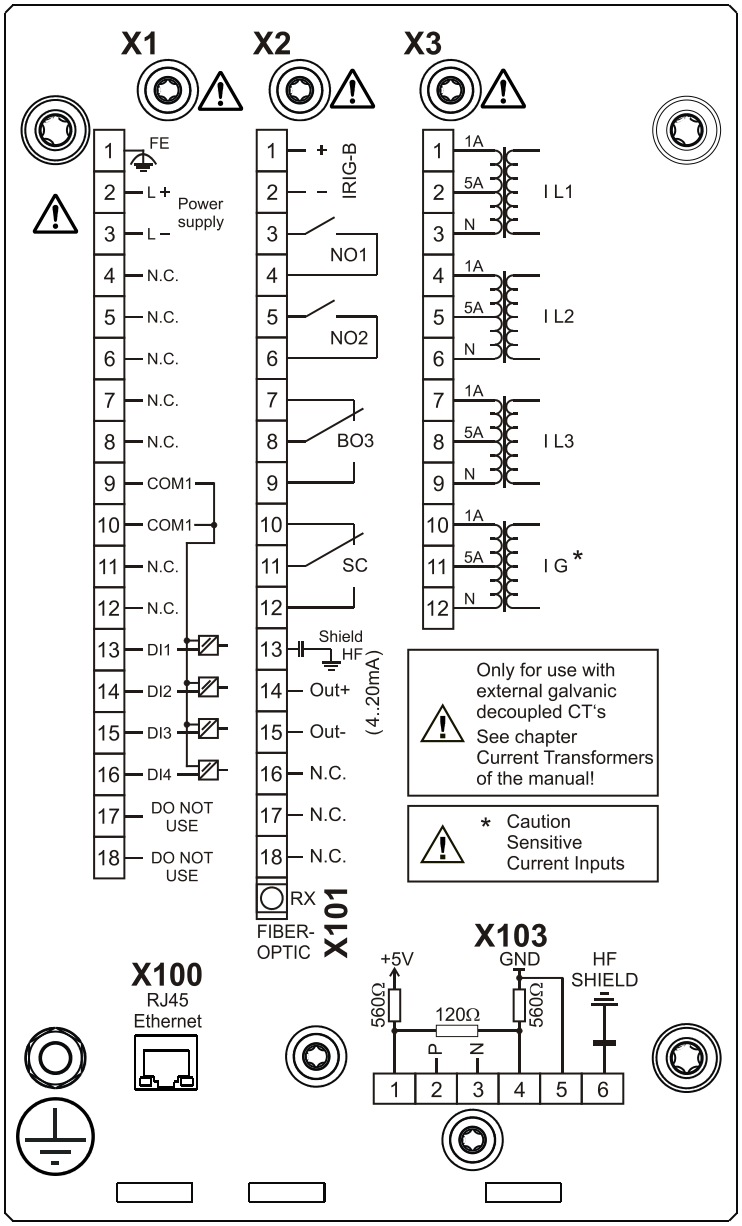
MRM4-2B1AHA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45 Ethernet
X103

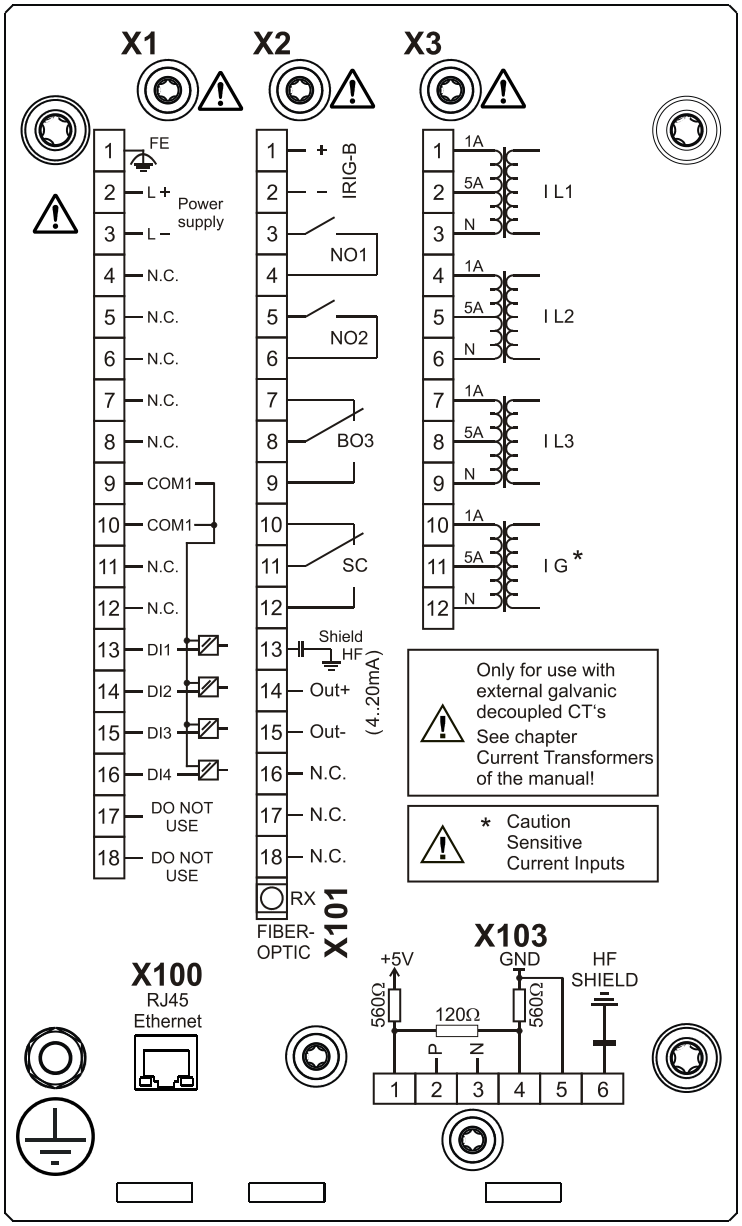
MRM4-2B1AHB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X103

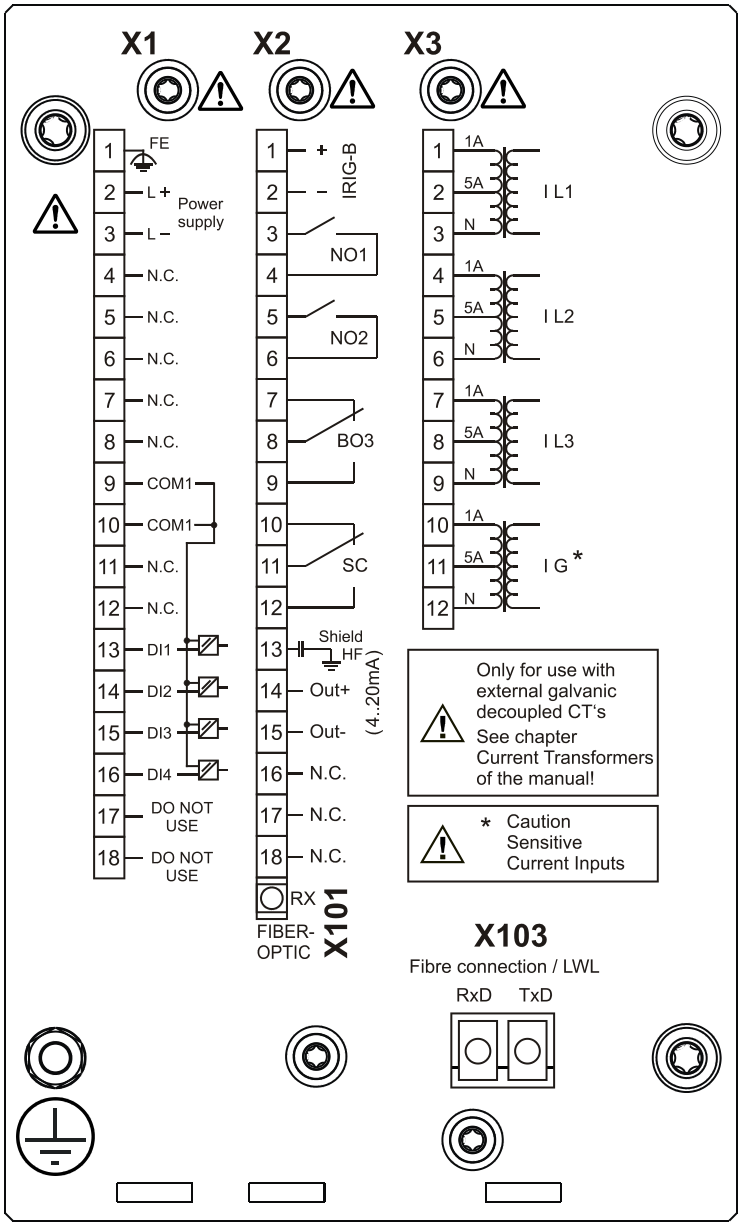
MRM4-2B1AIA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

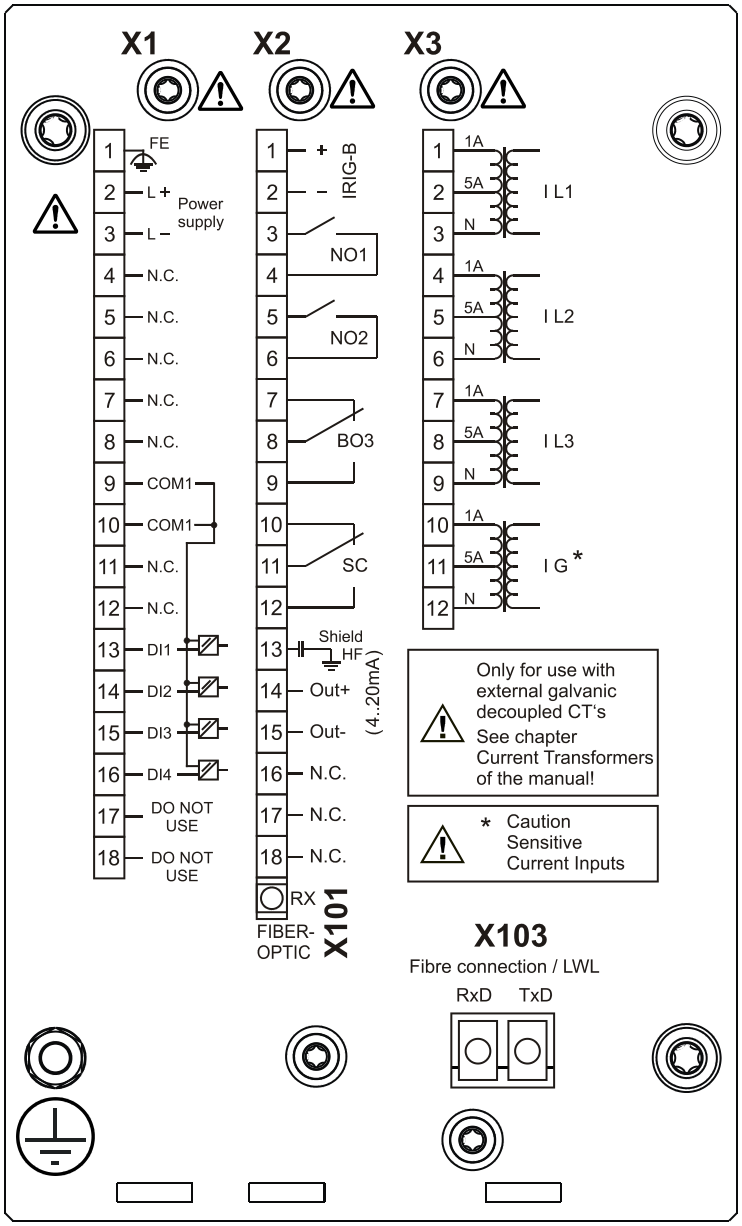
MRM4-2B1AIB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

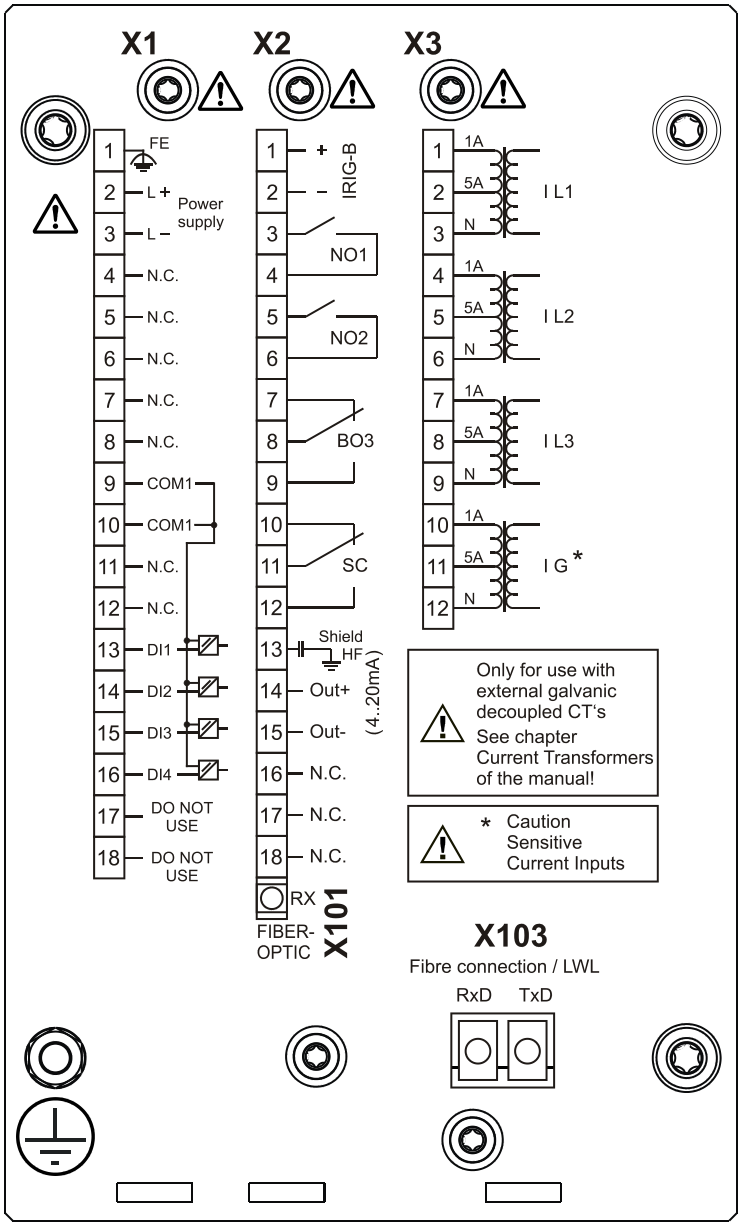
MRM4-2B1AKA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD TxD

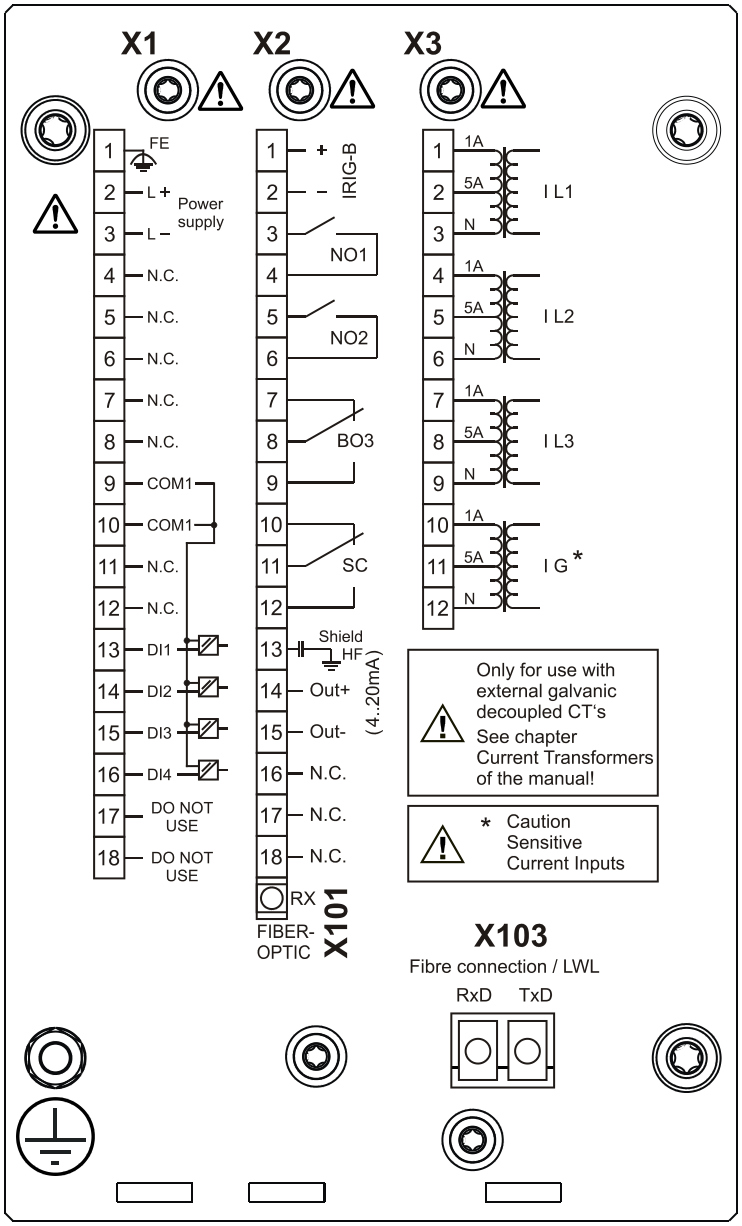
MRM4-2B1AKB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD TxD

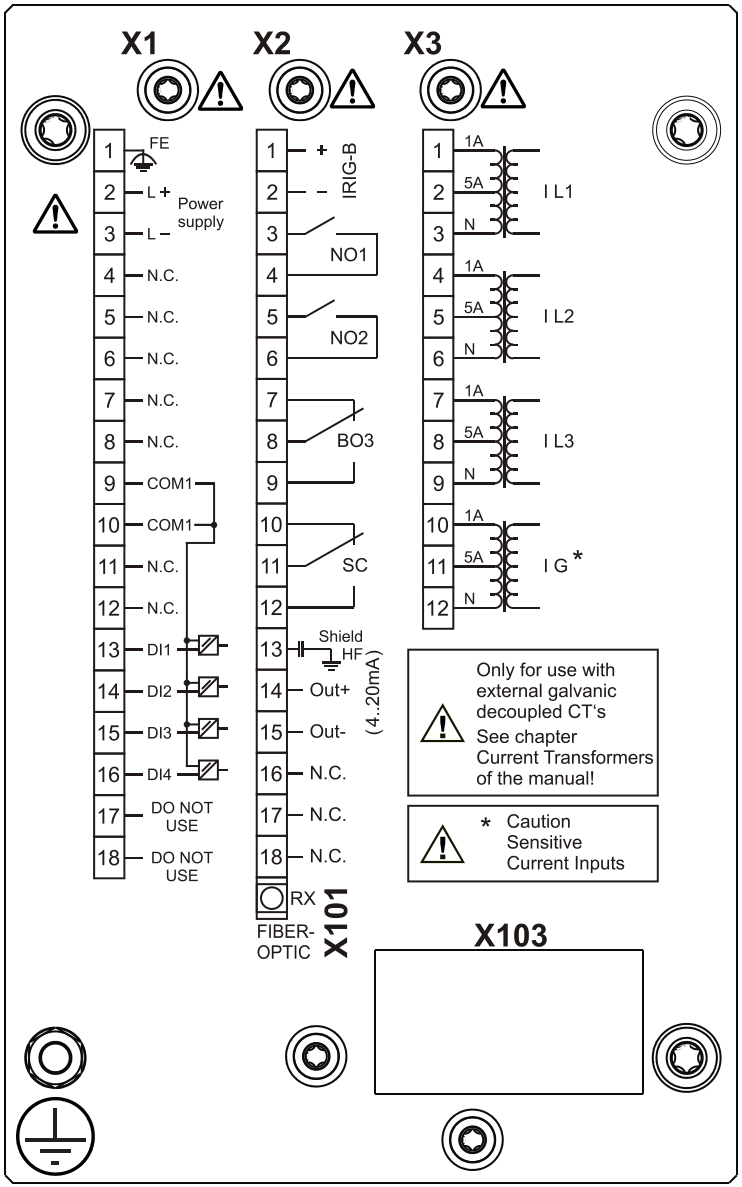
MRM4-2B1ALA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD
TxD

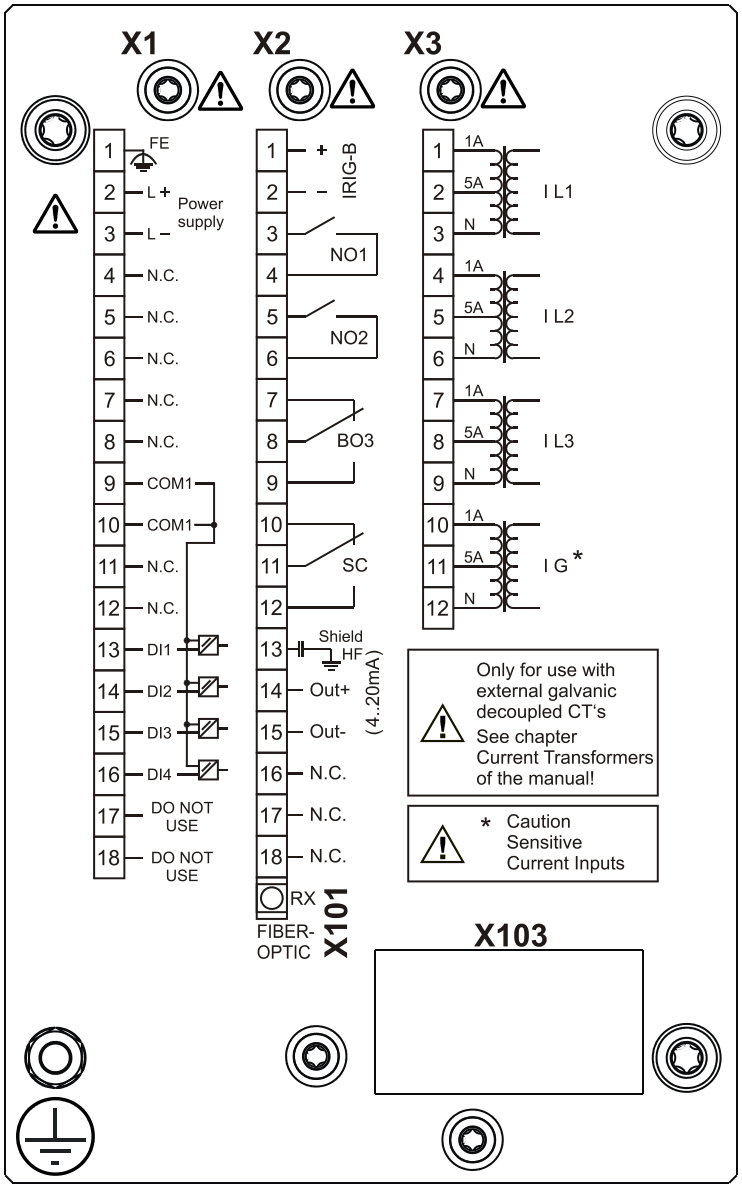
MRM4-2B1ALB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD
TxD

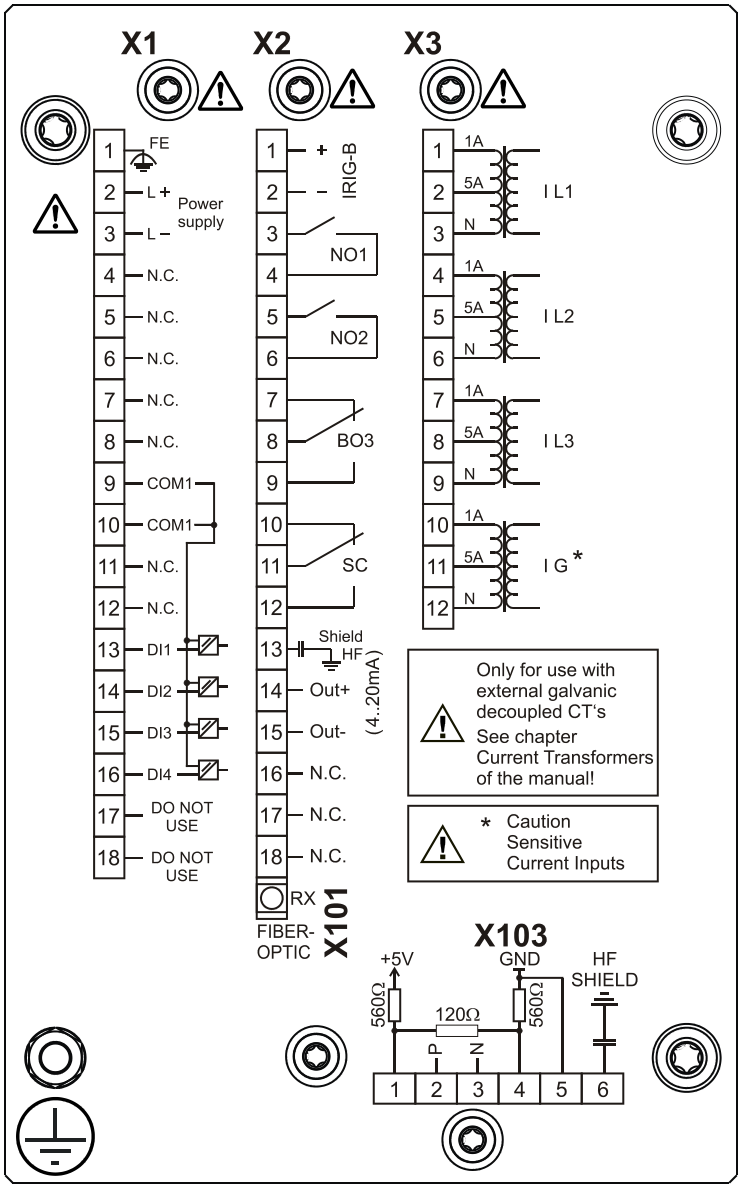
MRM4-2B1BAA


X1
X2
X3
1 FE
2 L+ Power supply
3 L-
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 + IRIG-B
2 -
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+ (4..20mA)
15 Out-
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A I L1
3 N
4 1A
5 5A I L2
6 N
7 1A
8 5A I L3
9 N
10 1A
11 5A I G *
12 N
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103

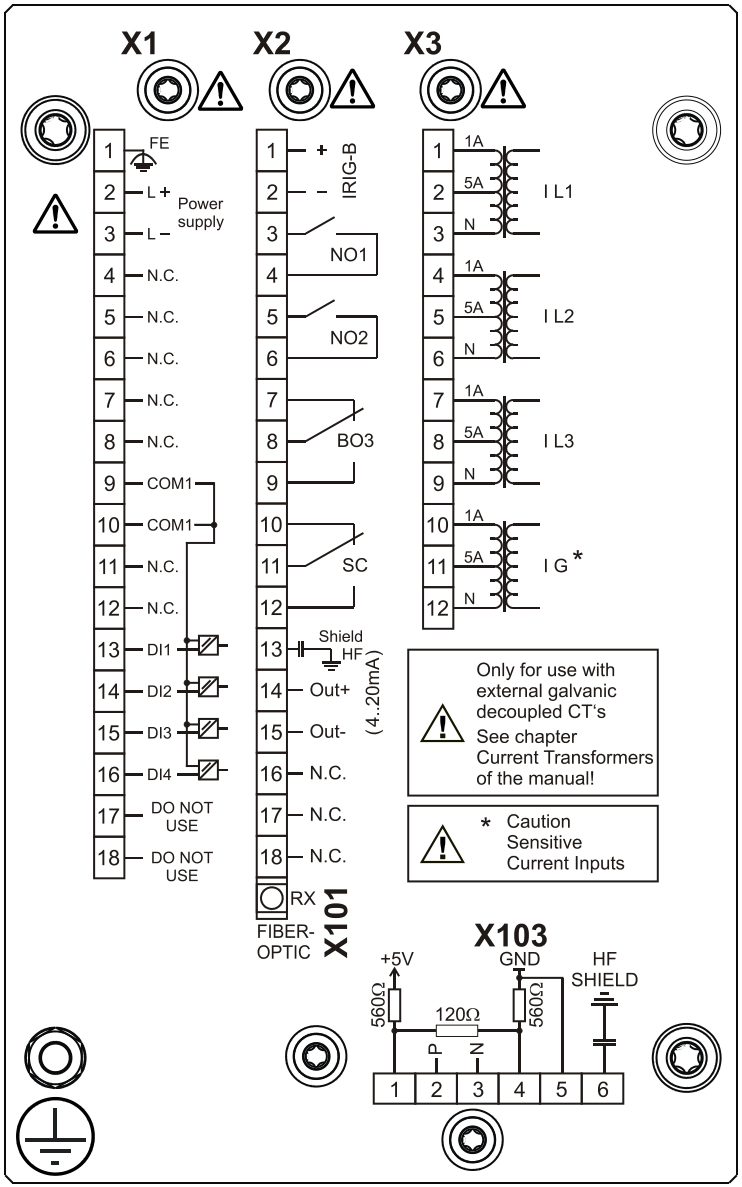
MRM4-2B1BAB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
16 N.C.
17 N.C.
18 N.C.
(4..20mA)
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103

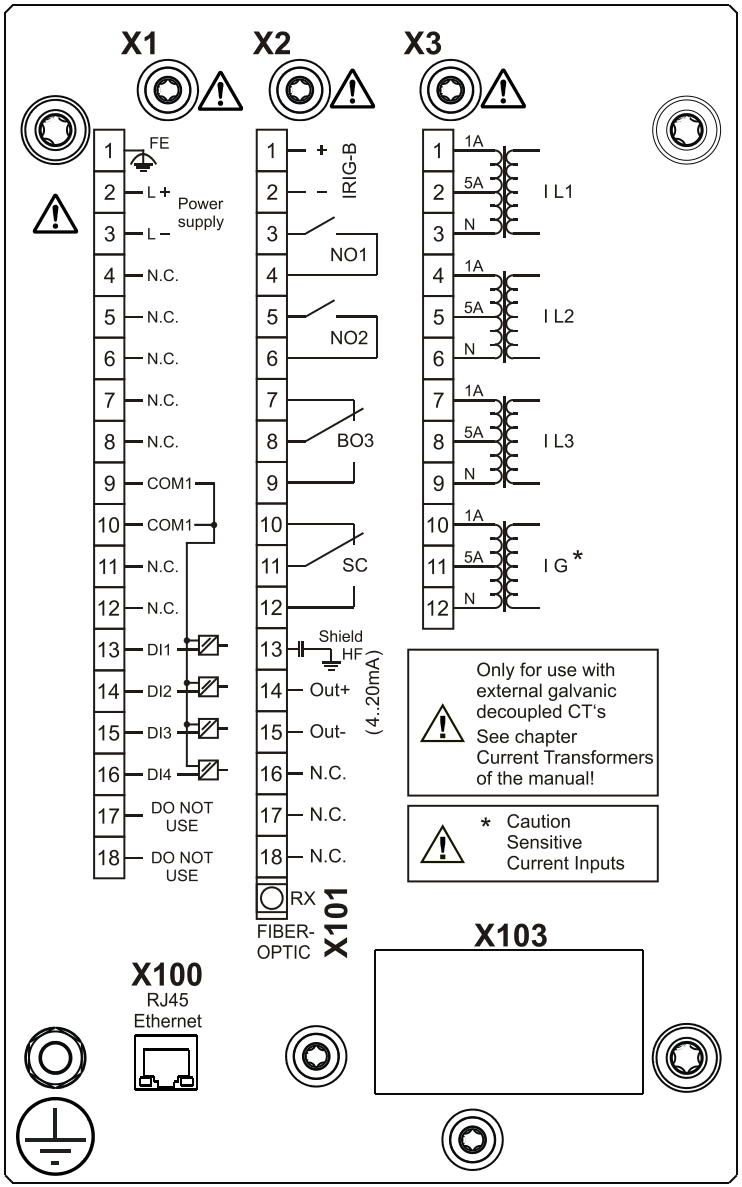
MRM4-2B1BBA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
16 N.C.
17 N.C.
18 N.C.
(4..20mA)
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

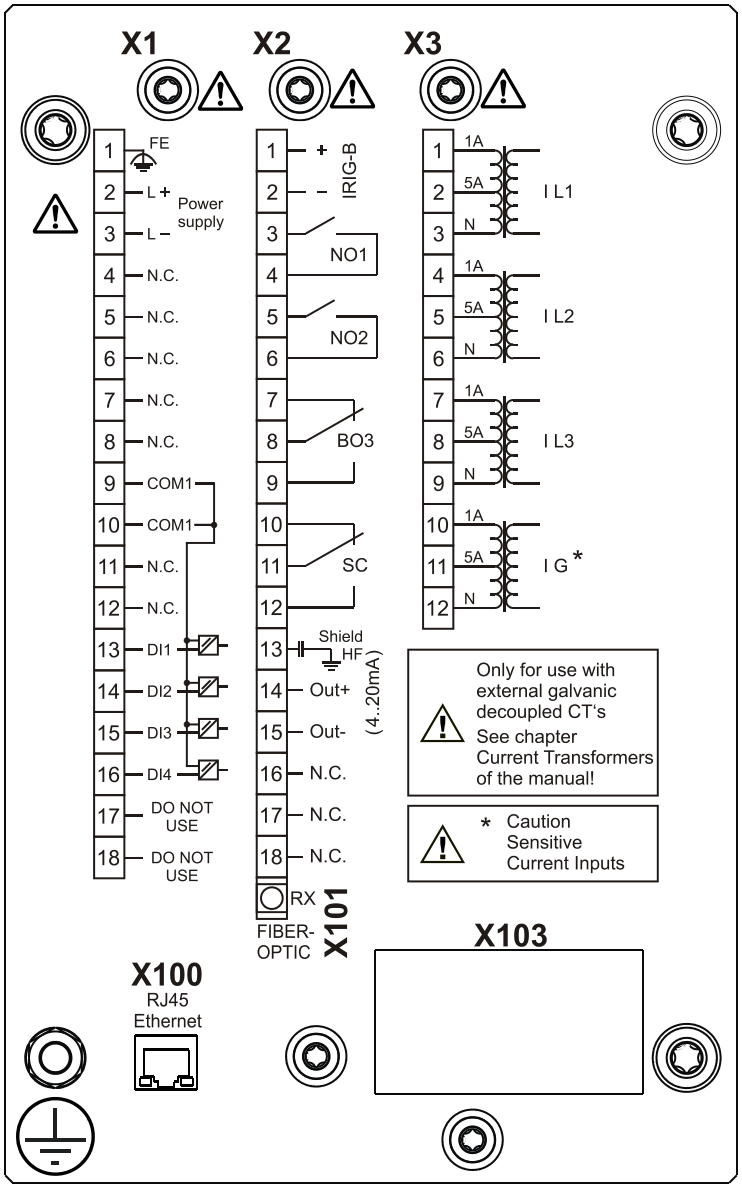
MRM4-2B1BBB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
16 N.C.
17 N.C.
18 N.C.
(4..20mA)
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

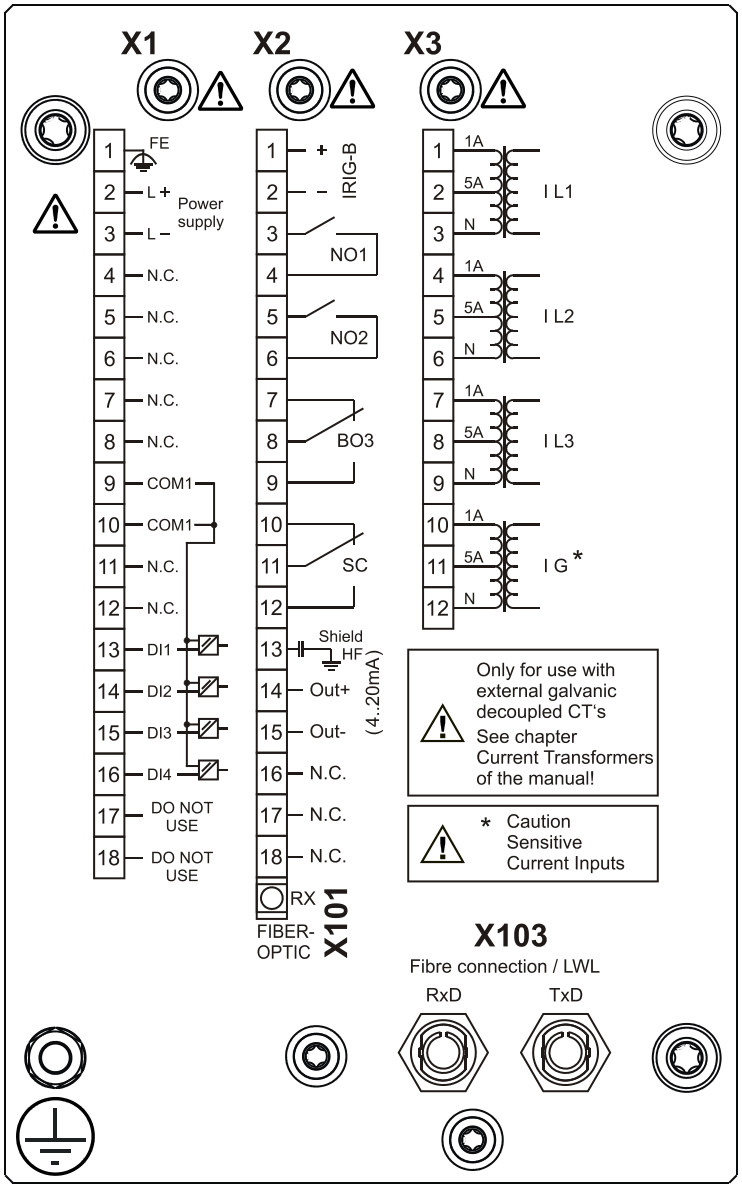
MRM4-2B1BCA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
16 N.C.
17 N.C.
18 N.C.
(4..20mA)
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X103

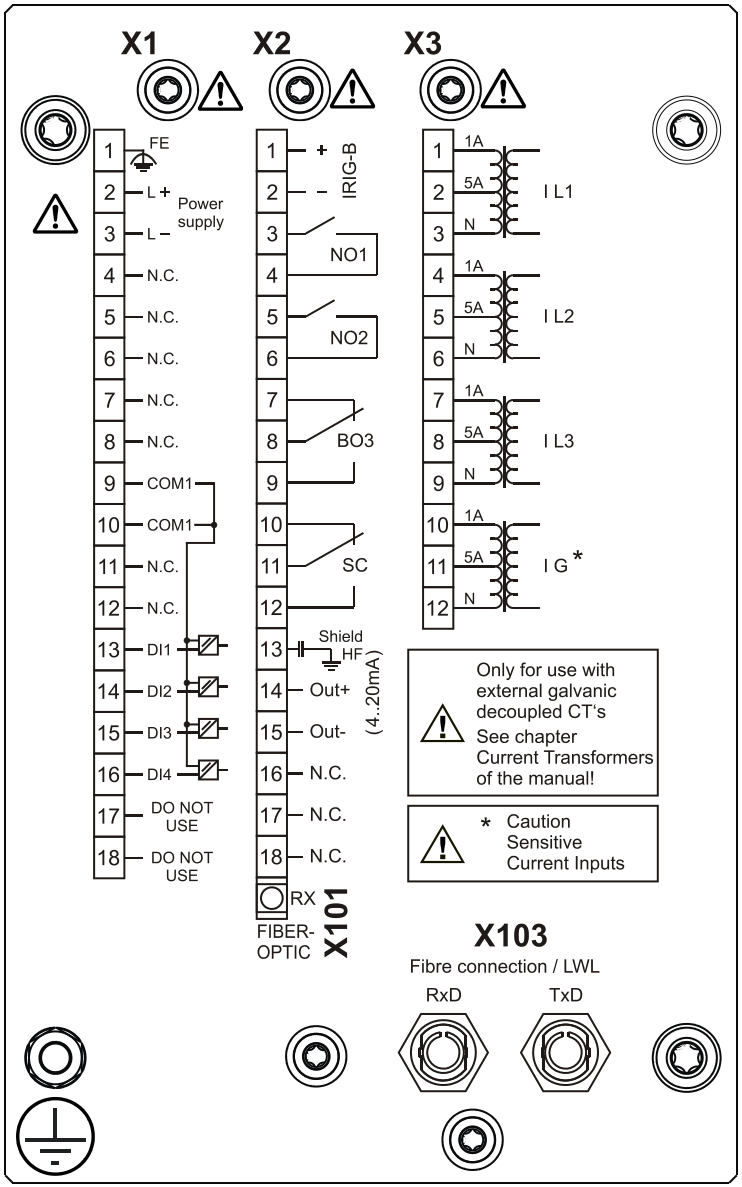
MRM4-2B1BCB


X1
X2
X3
1 FE
2 L+ Power supply
3 L–
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 + IRIG-B
2 –
3 NO1
4
5 NO2
6
7 BO3
8
9
10 SC
11
12
13 Shield HF
14 Out+ (4..20mA)
15 Out-
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A I L1
3 N
4 1A
5 5A I L2
6 N
7 1A
8 5A I L3
9 N
10 1A
11 5A I G *
12 N
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X103

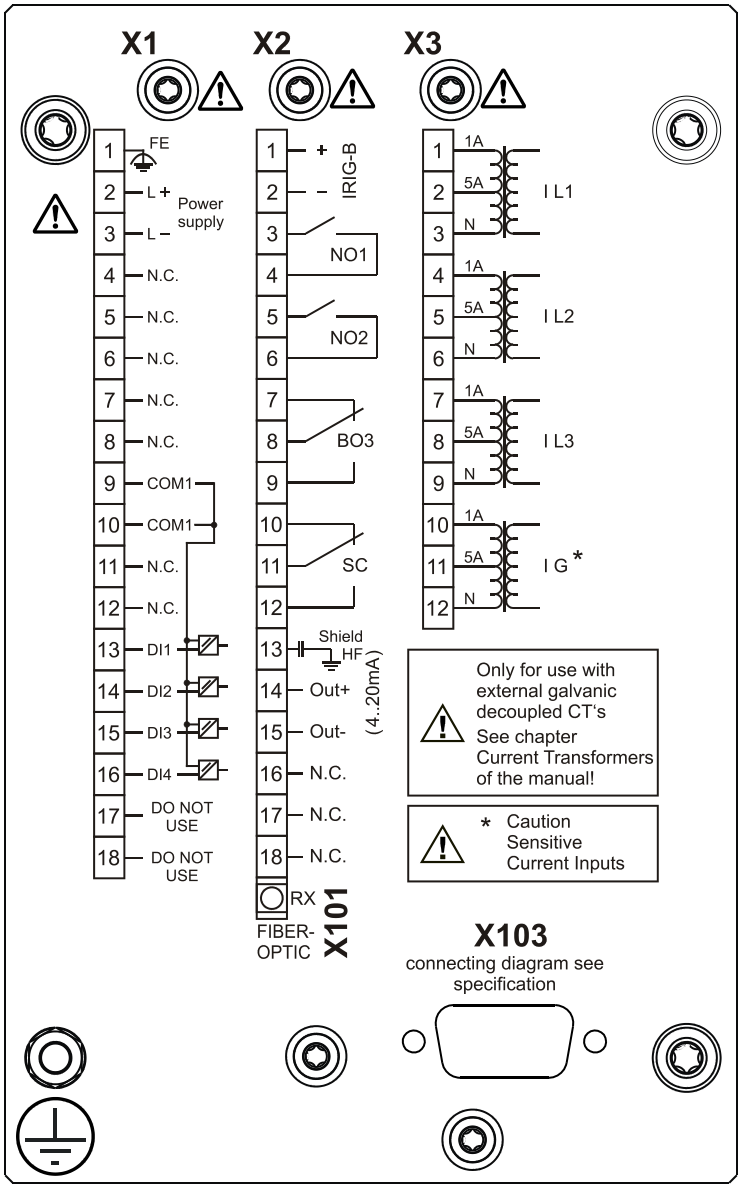
MRM4-2B1BDA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD
TxD

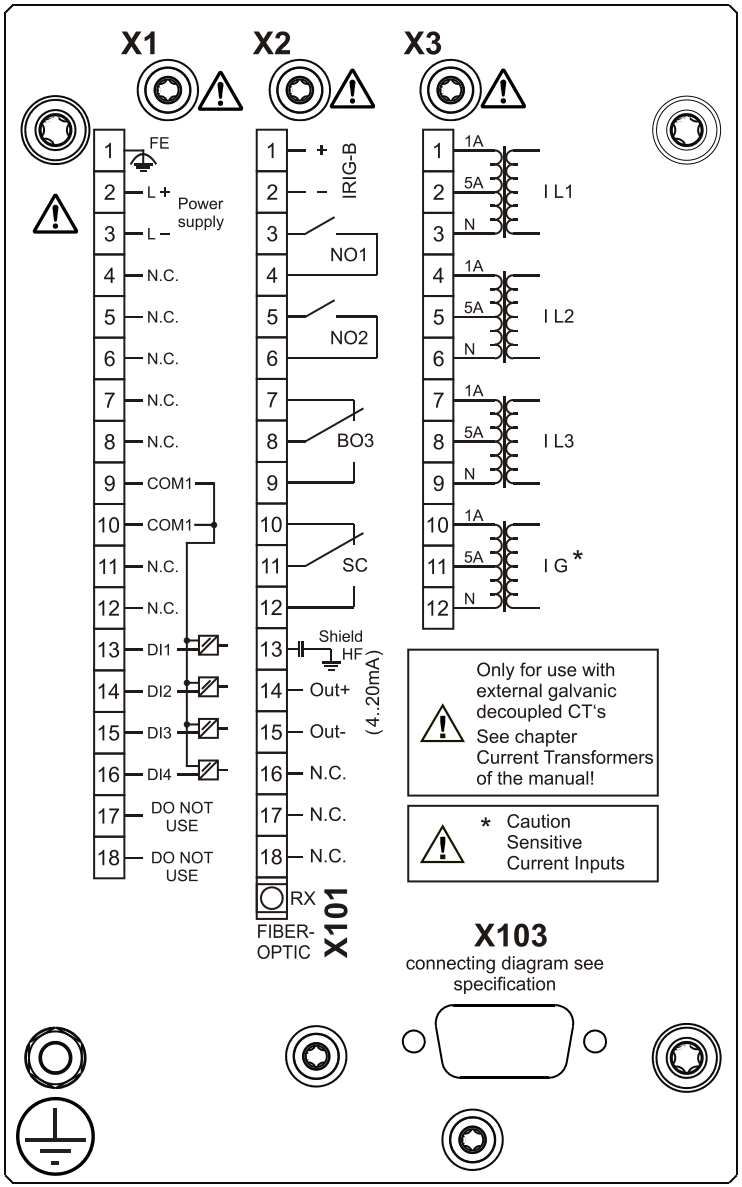
MRM4-2B1BDB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD
TxD

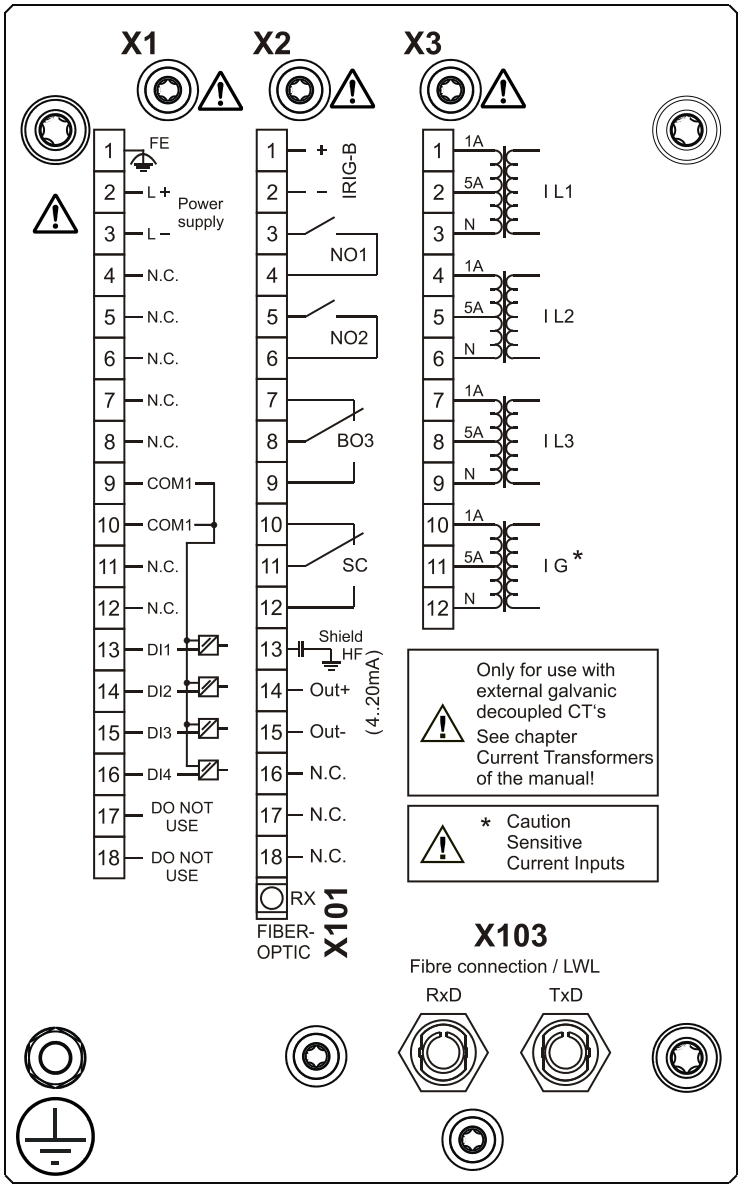
MRM4-2B1BEA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
connecting diagram see specification

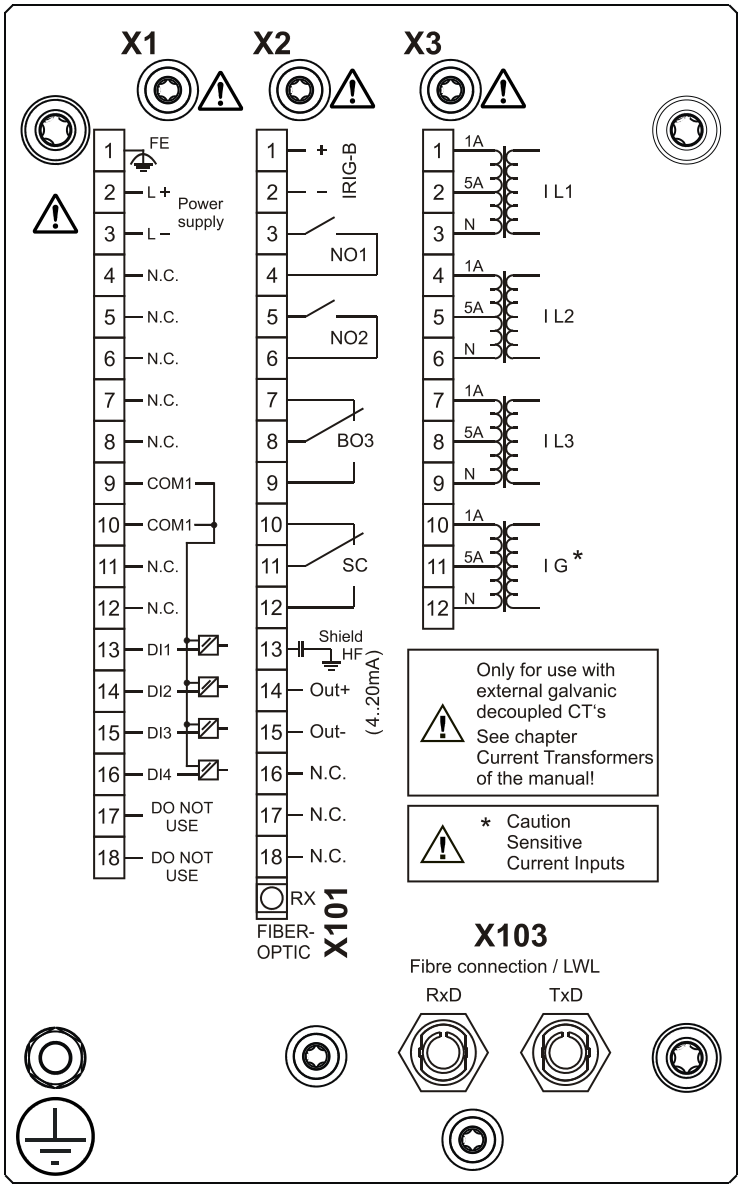
MRM4-2B1BEB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
connecting diagram see specification

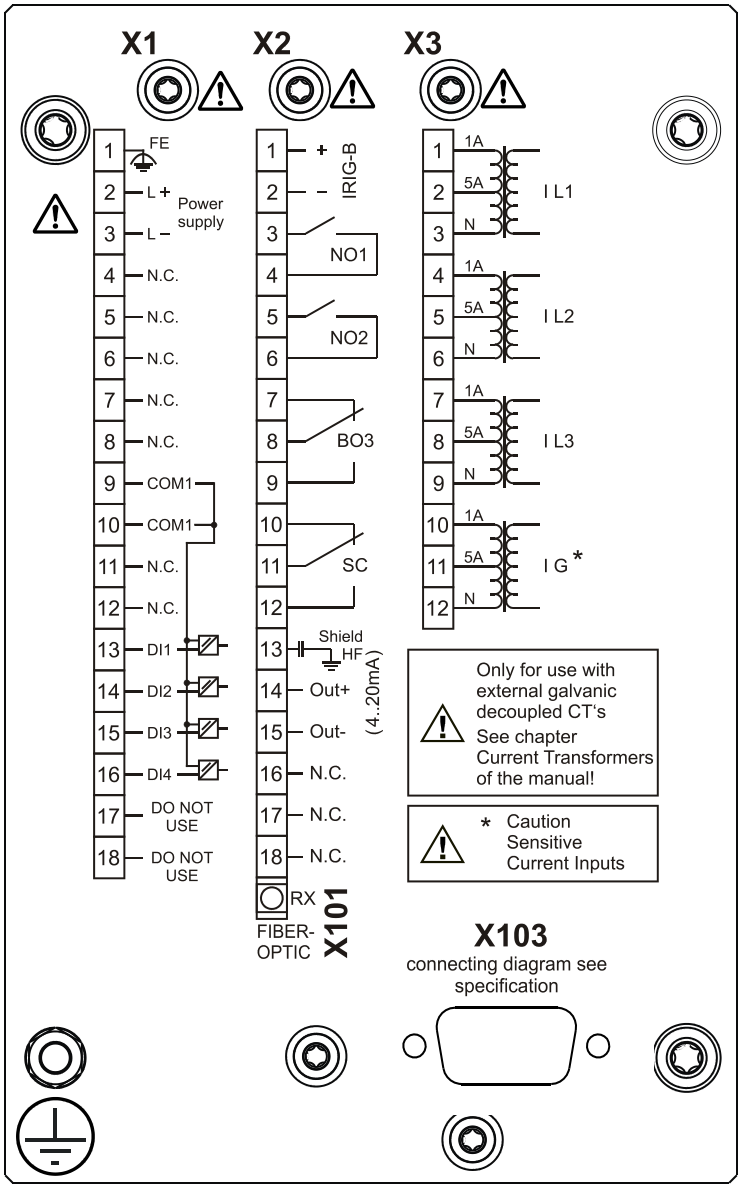
MRM4-2B1BFA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD
TxD

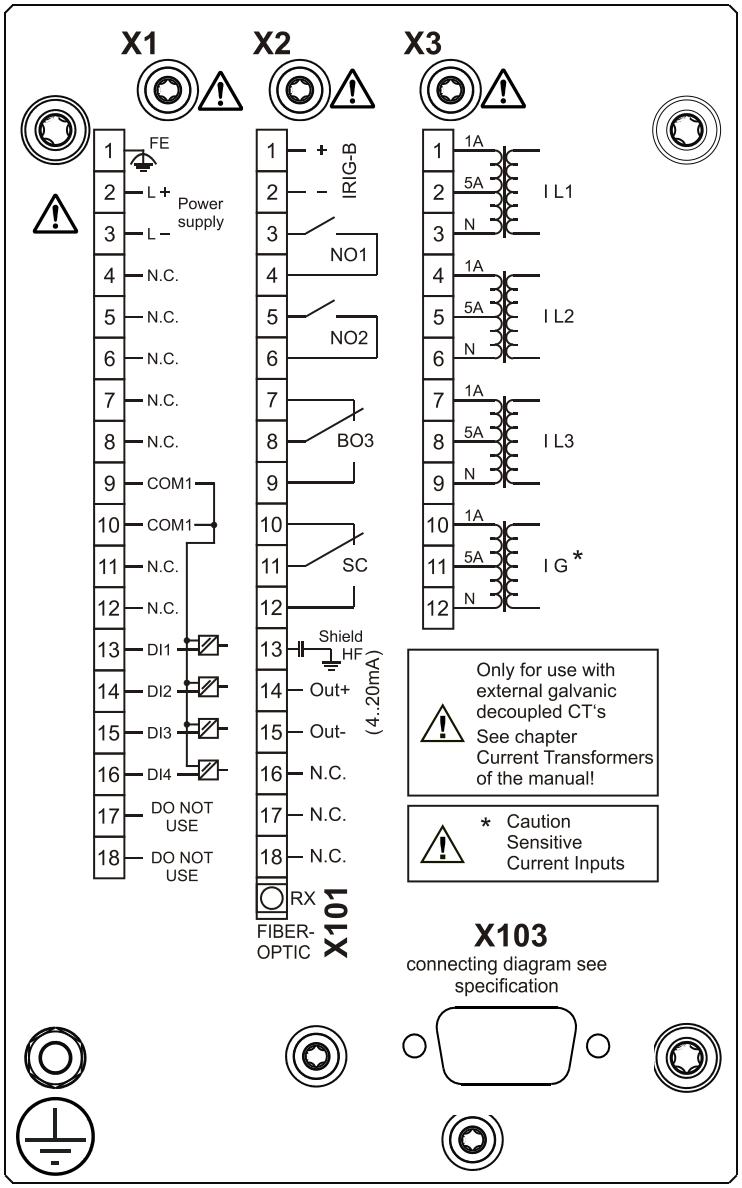
MRM4-2B1BFB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD
TxD

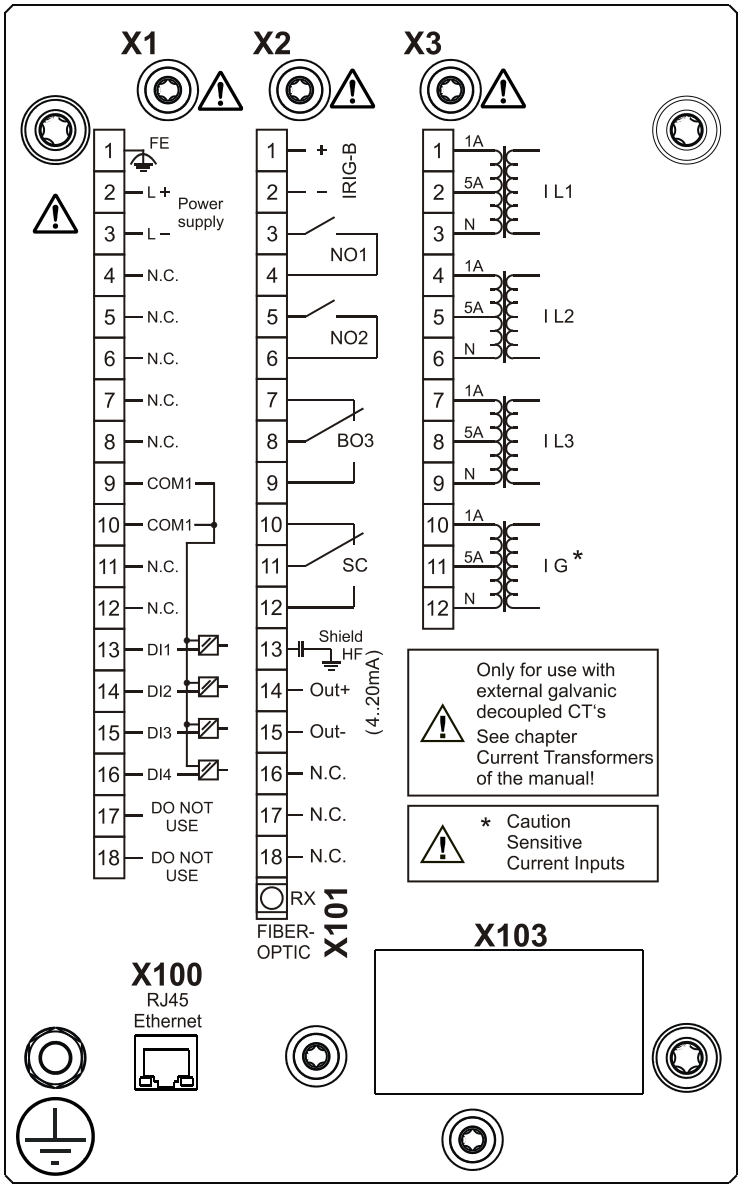
MRM4-2B1BGA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 –
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
16 N.C.
17 N.C.
18 N.C.
(4..20mA)
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
connecting diagram see specification

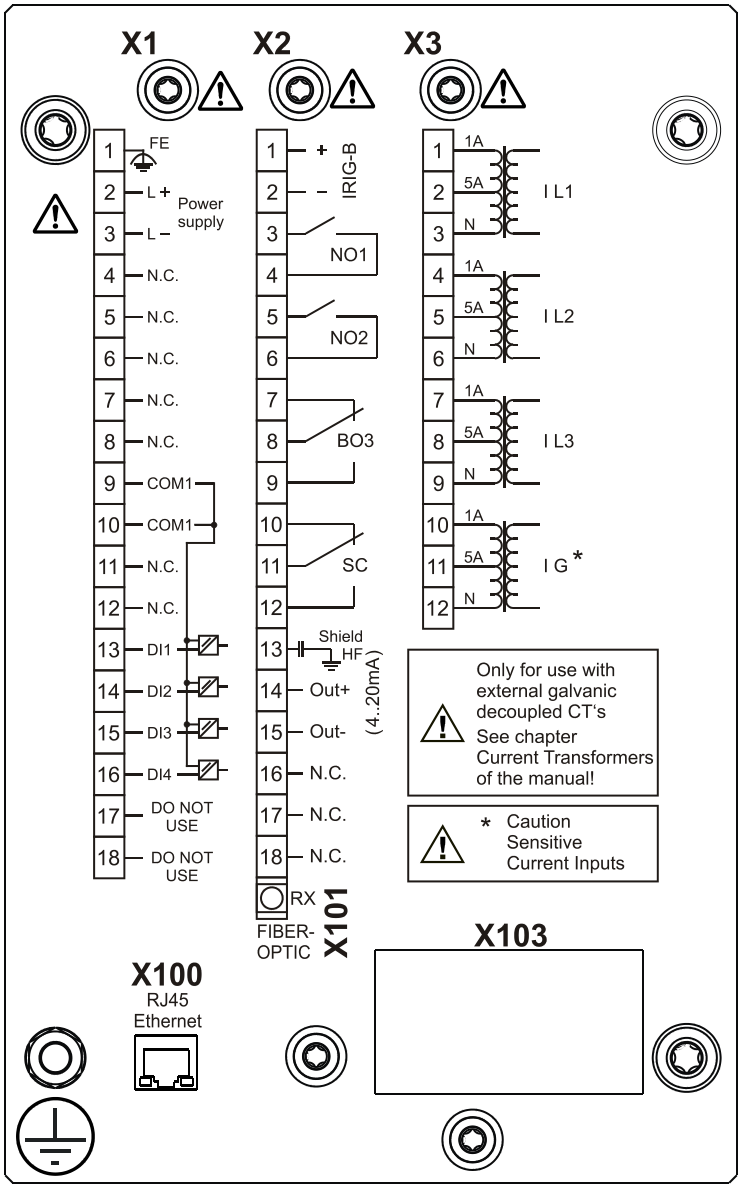
MRM4-2B1BGB


X1
X2
X3
1 FE
2 L+ Power supply
3 L-
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 + IRIG-B
2 -
3 NO1
4
5 NO2
6
7 BO3
8
9
10 SC
11
12
13 Shield HF
14 Out+ (4..20mA)
15 Out-
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A I L1
3 N
4 1A
5 5A I L2
6 N
7 1A
8 5A I L3
9 N
10 1A
11 5A I G *
12 N
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
connecting diagram see specification

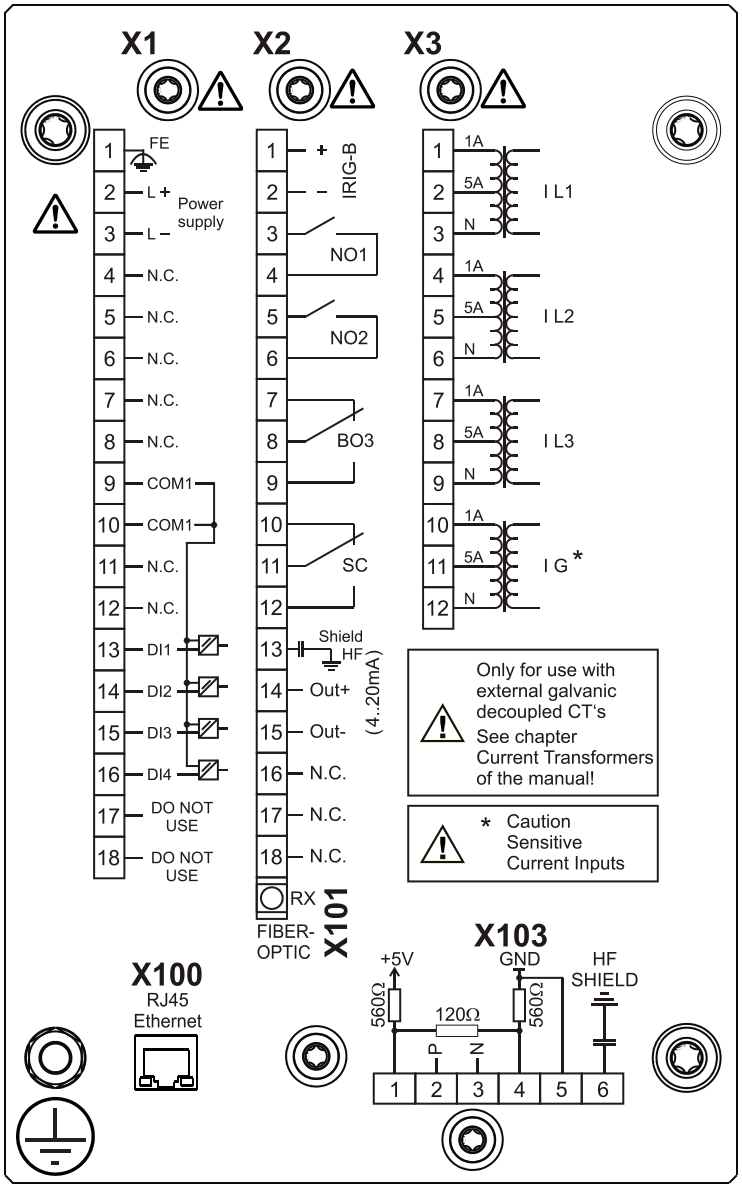
MRM4-2B1BHA


X1
X2
X3
1 FE
2 L+
3 L–
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 –
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
16 N.C.
17 N.C.
18 N.C.
(4..20mA)
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X103

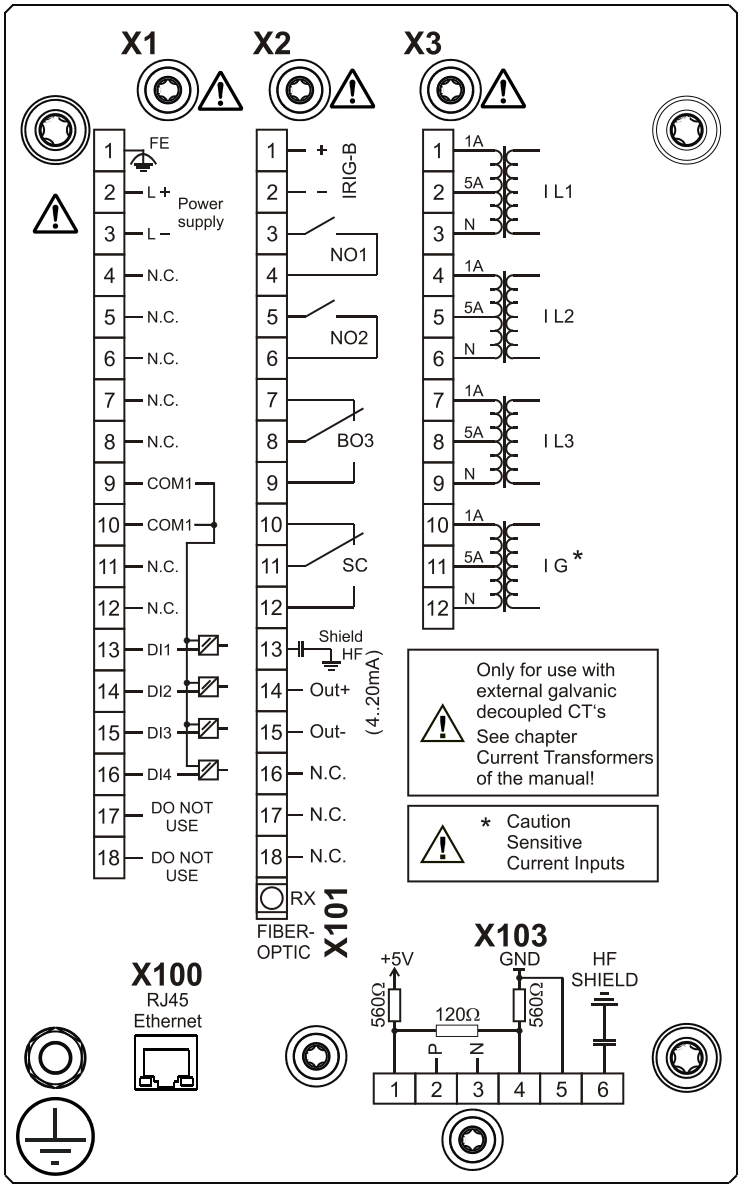
MRM4-2B1BHB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
16 N.C.
17 N.C.
18 N.C.
(4..20mA)
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X103

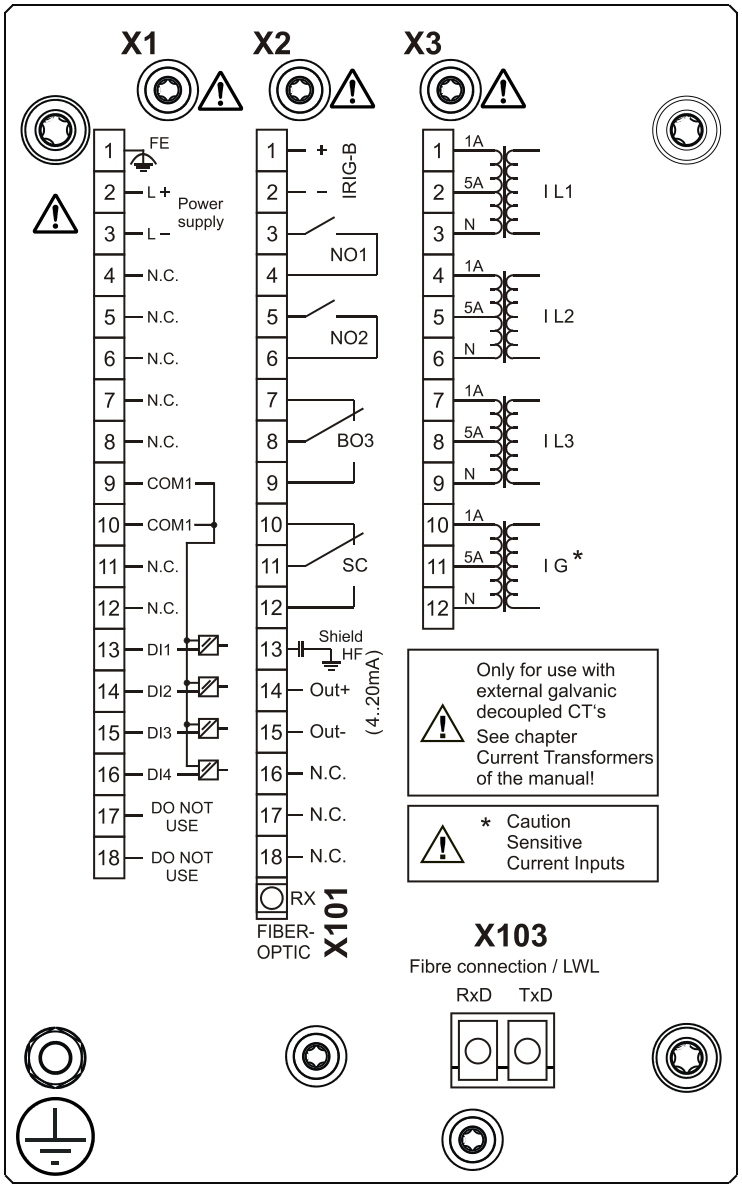
MRM4-2B1BIA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
(4..20mA)
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

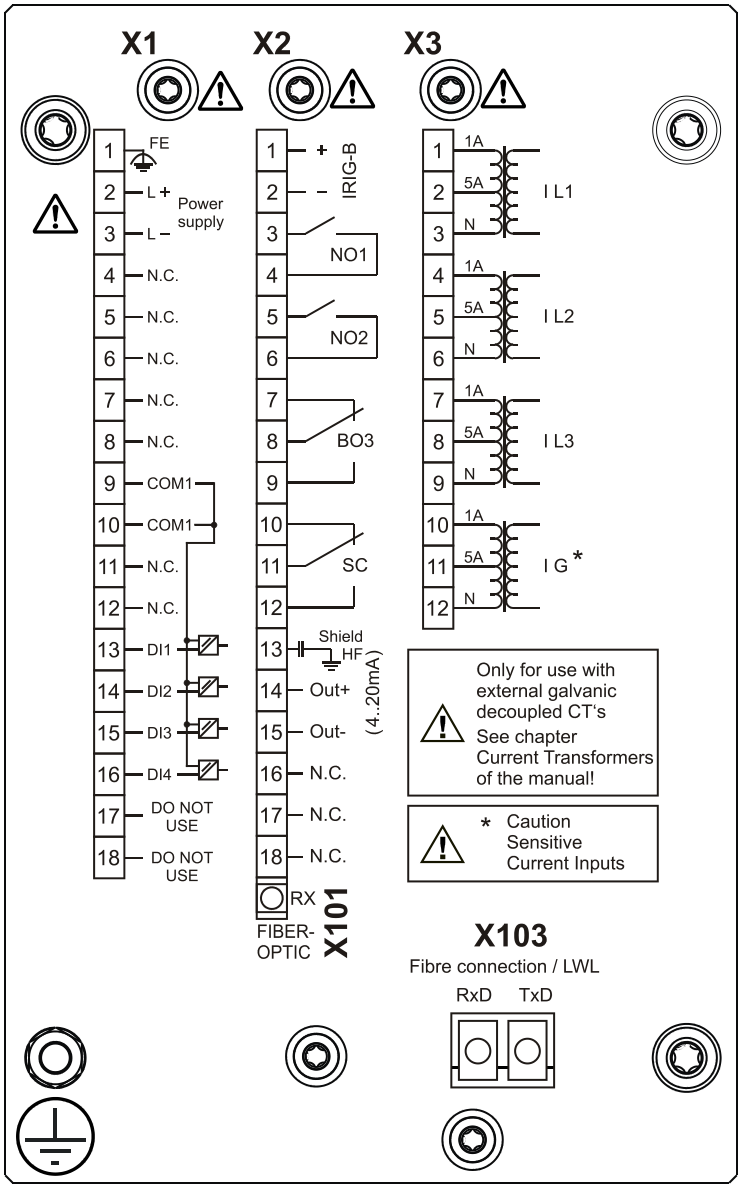
MRM4-2B1BIB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7 BO3
8
9
10 SC
11
12
13 Shield HF
14 Out+
15 Out-
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
(4..20mA)
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

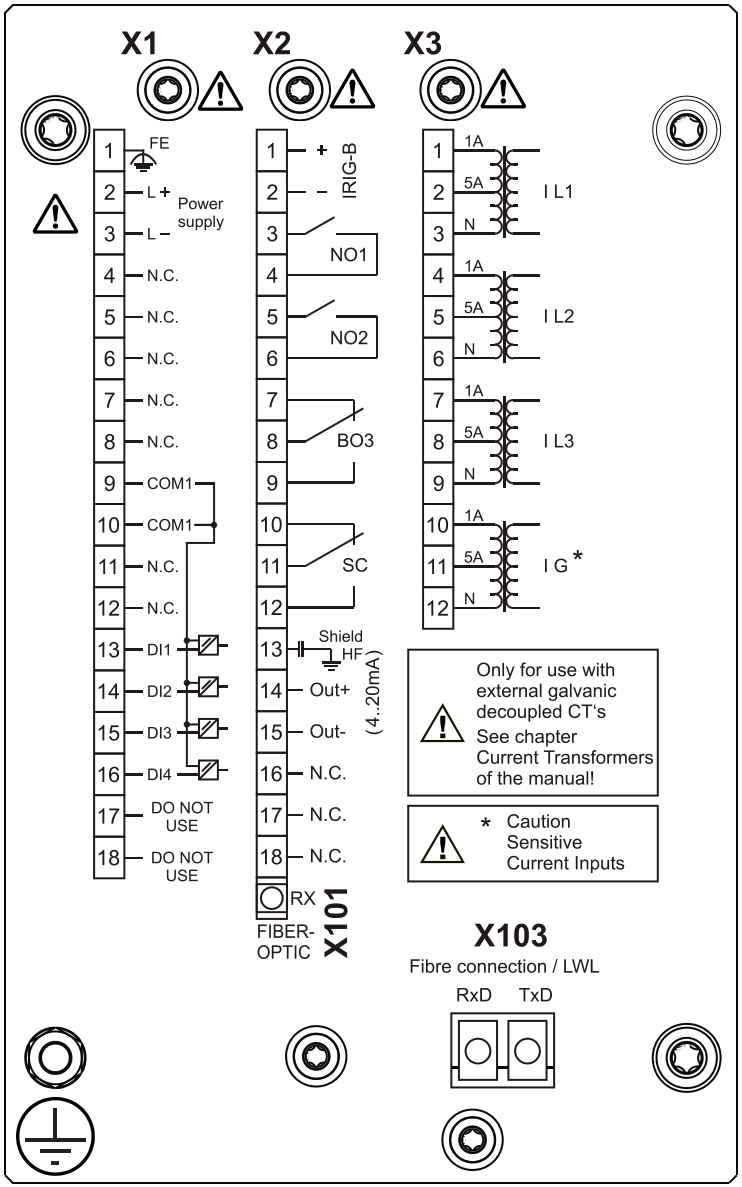
MRM4-2B1BKA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
16 N.C.
17 N.C.
18 N.C.
(4..20mA)
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD TxD

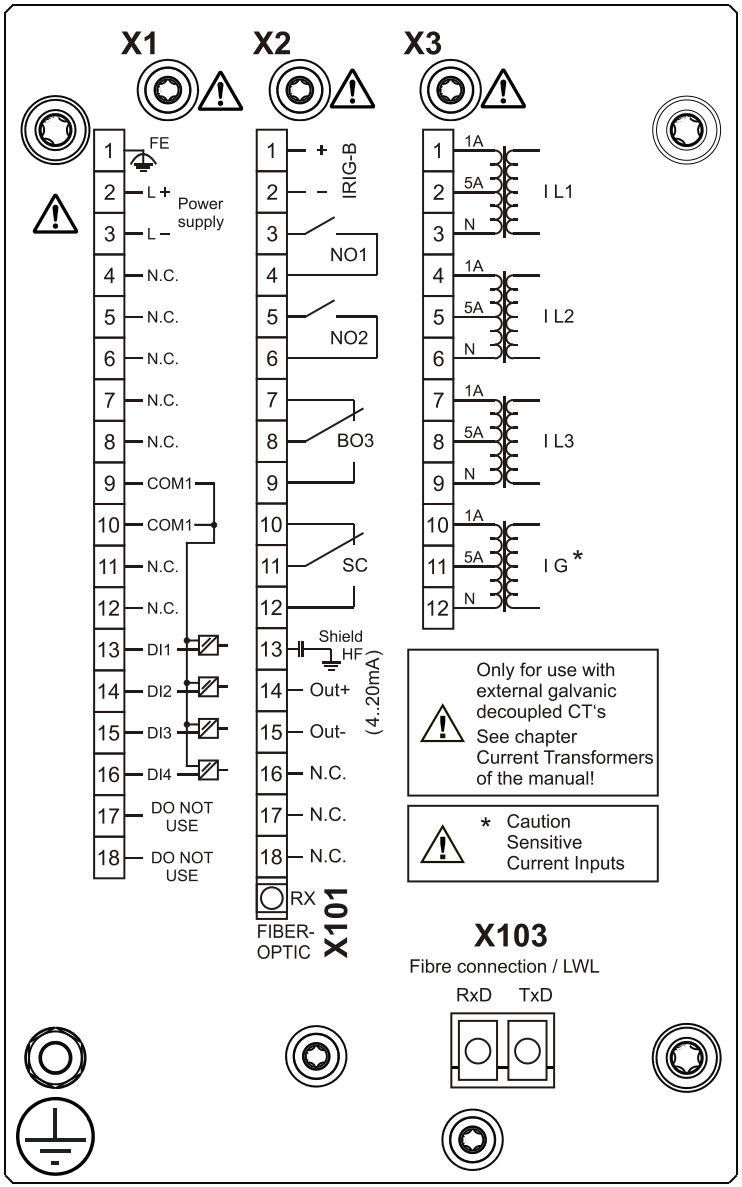
MRM4-2B1BKB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
16 N.C.
17 N.C.
18 N.C.
(4..20mA)
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD TxD

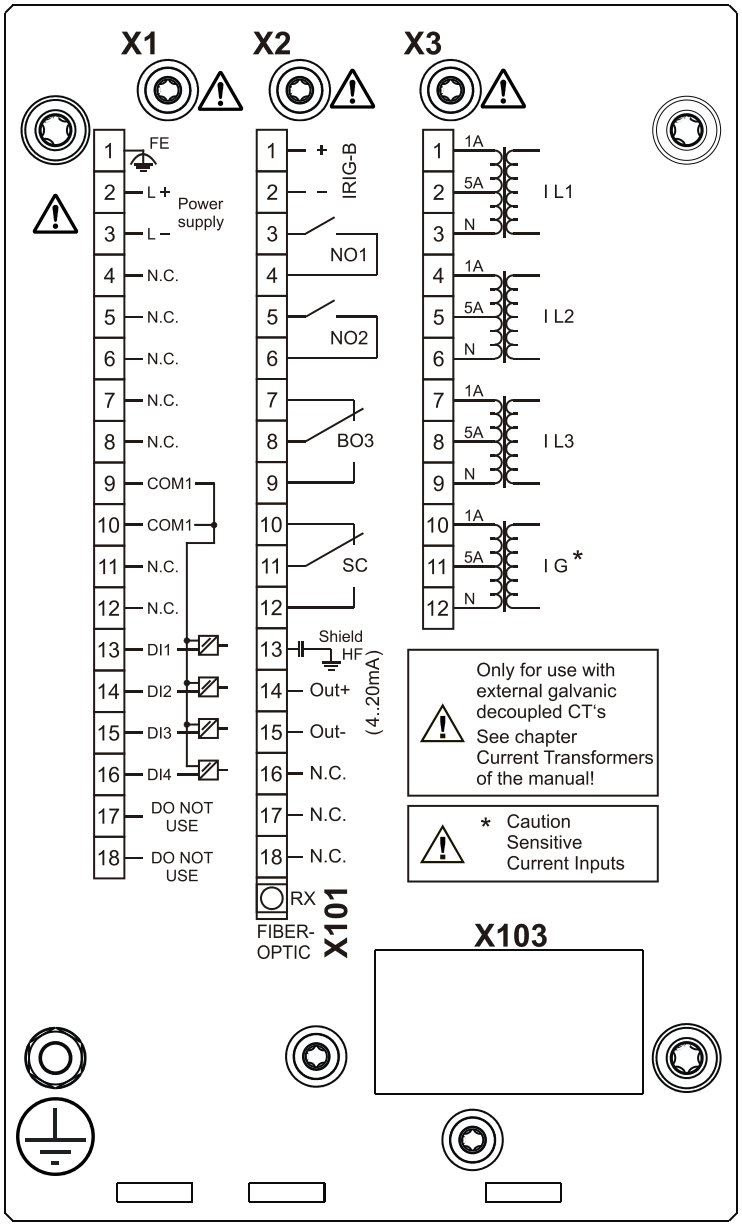
MRM4-2B1BLA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD TxD

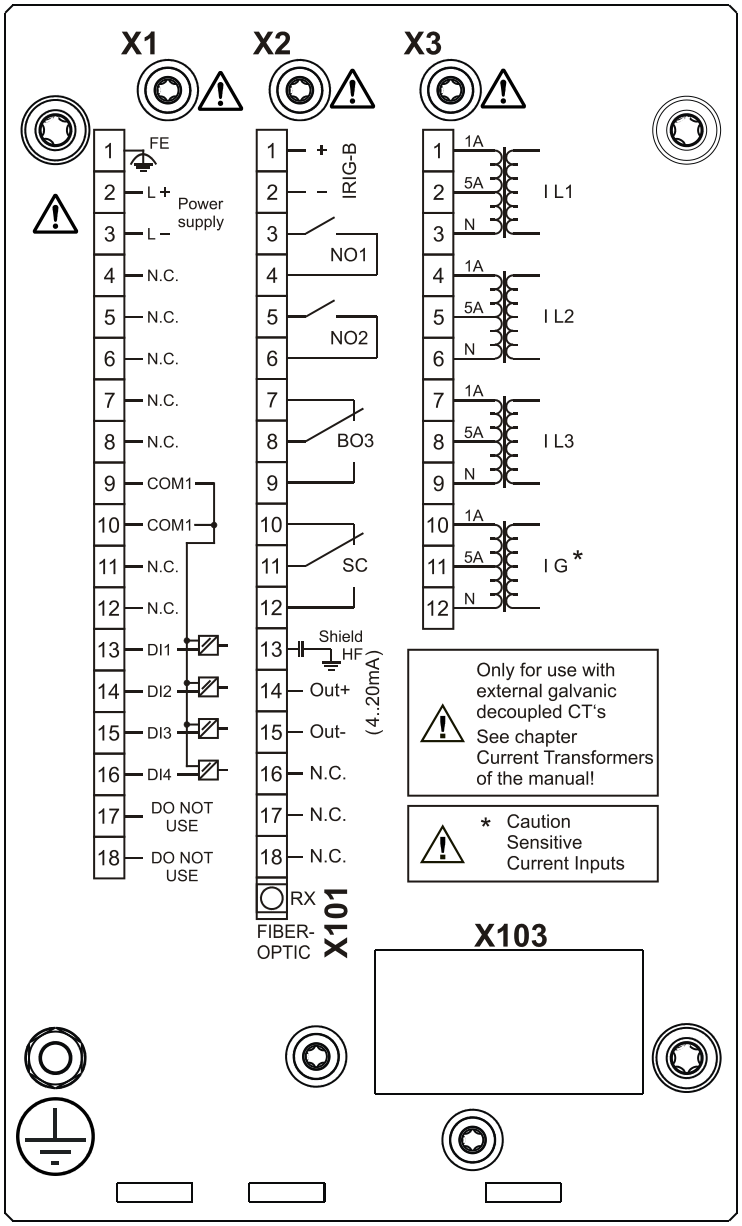
MRM4-2B1BLB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD
TxD

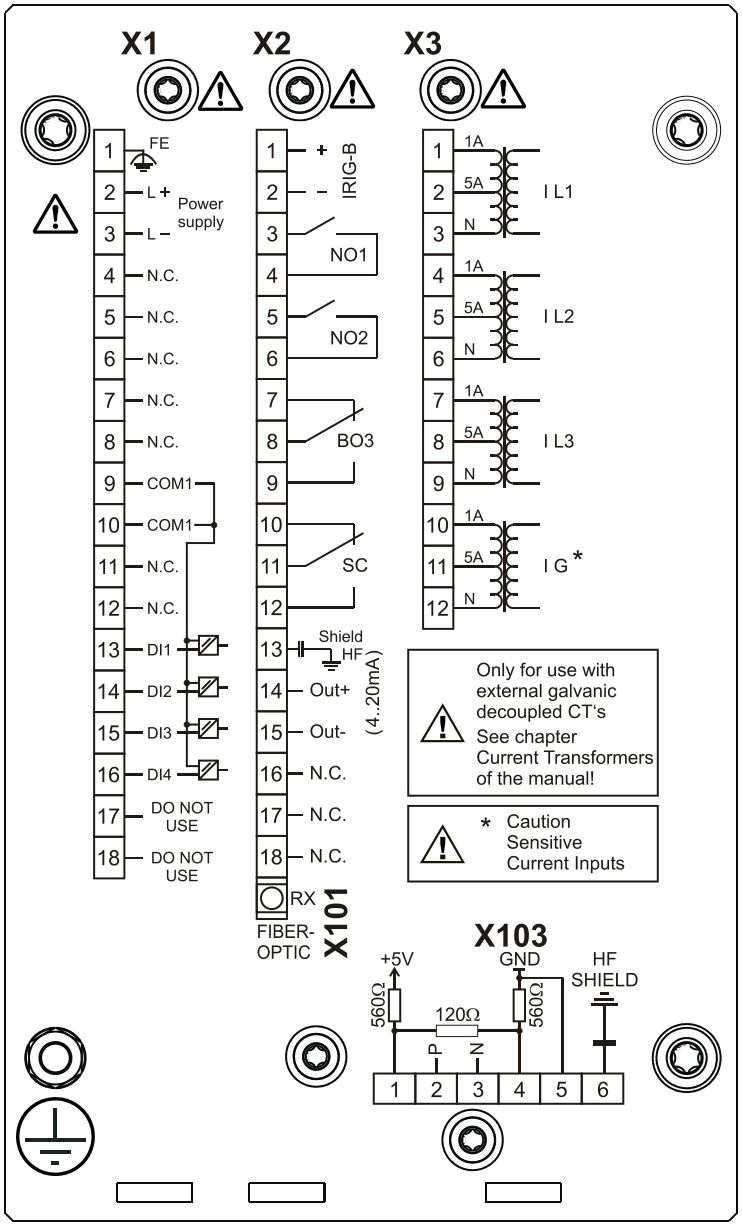
MRM4-2B1HAA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103

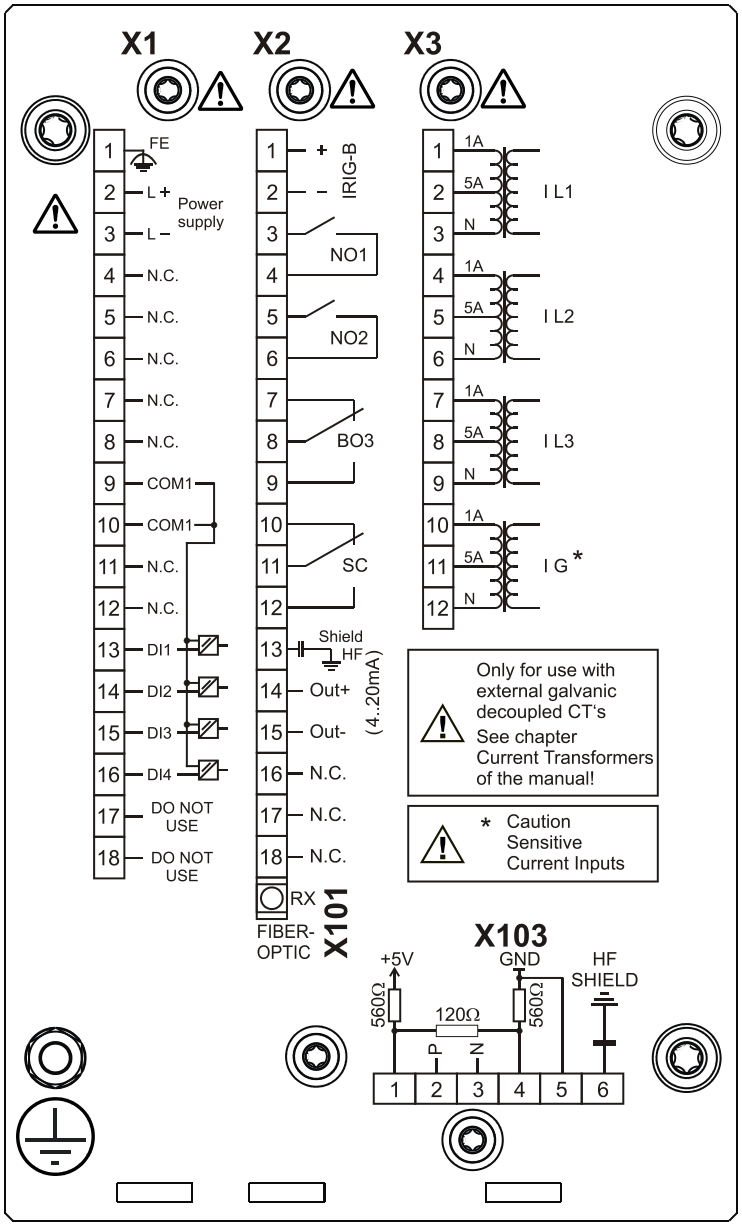
MRM4-2B1HAB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103

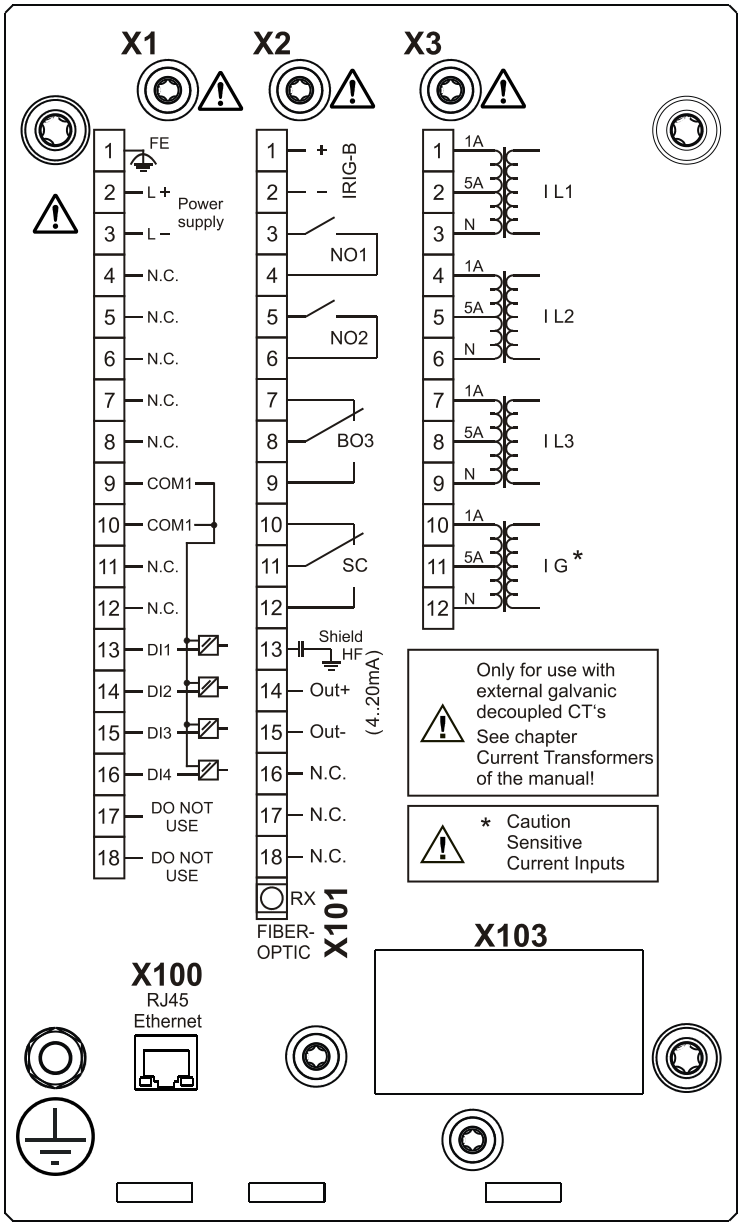
MRM4-2B1HBA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

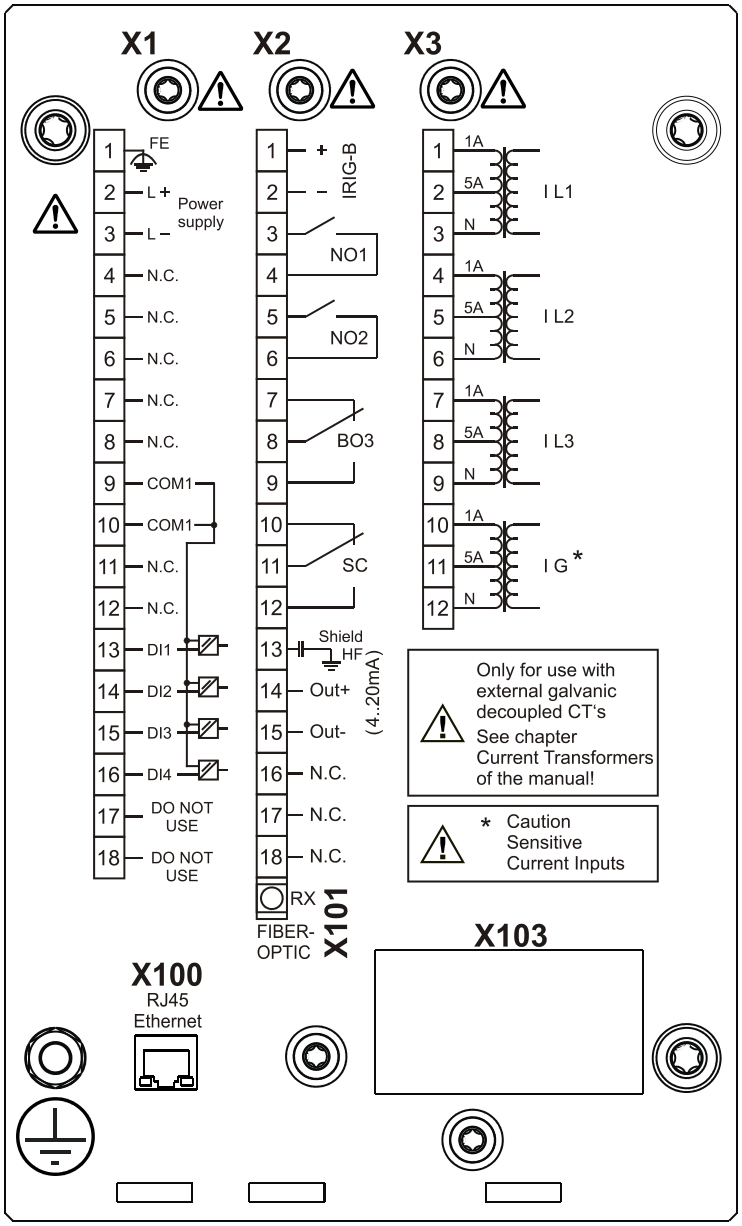
MRM4-2B1HBB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

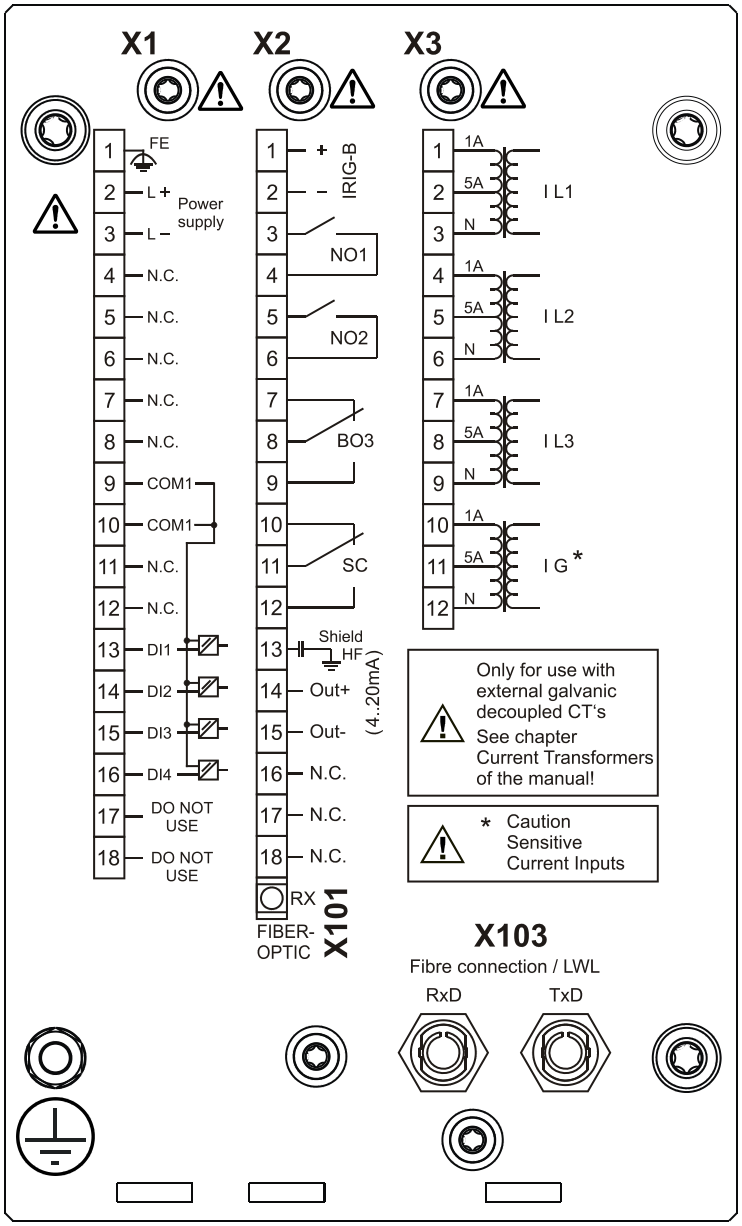
MRM4-2B1HCA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45 Ethernet
X103

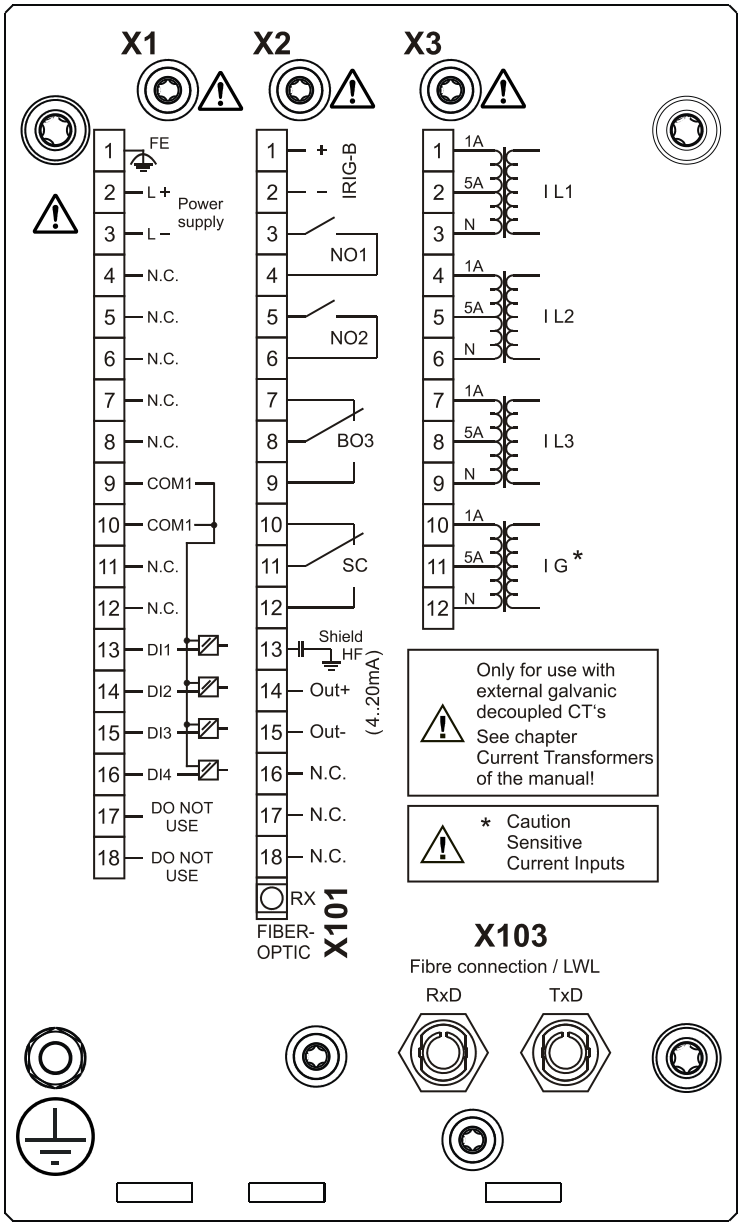
MRM4-2B1HCB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45 Ethernet
X103

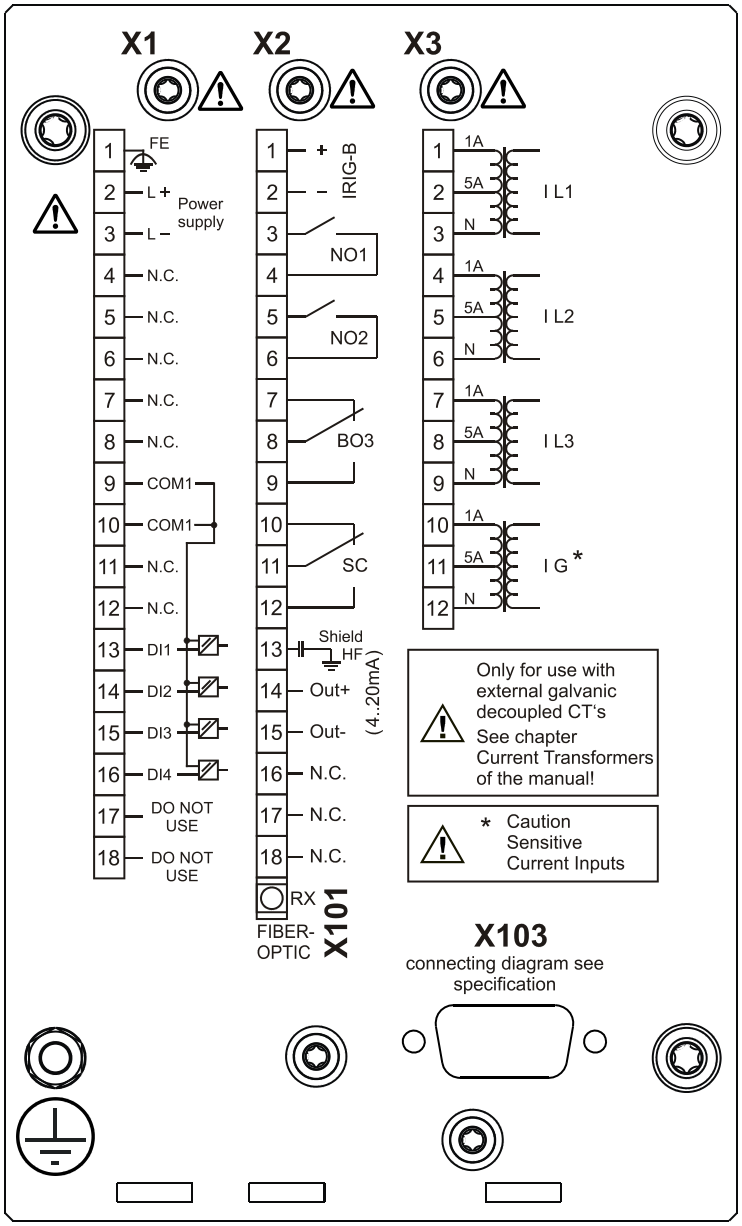
MRM4-2B1HDA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD
TxD

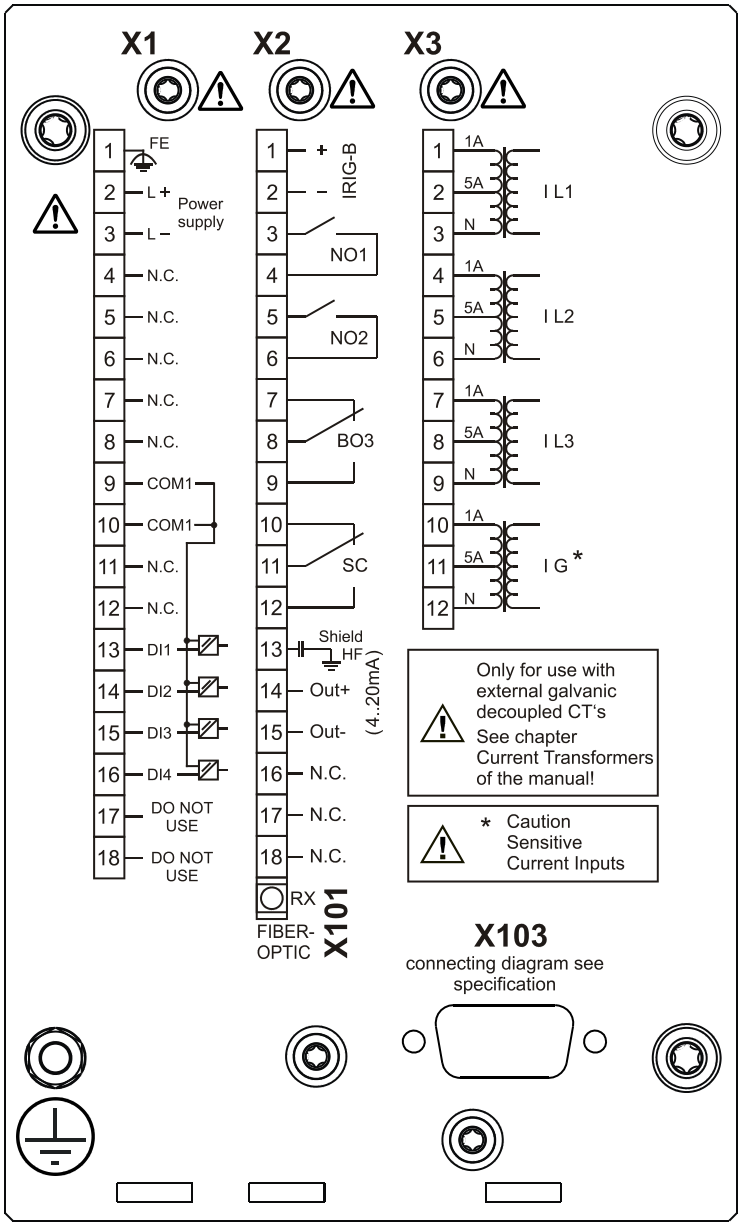
MRM4-2B1HDB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD
TxD

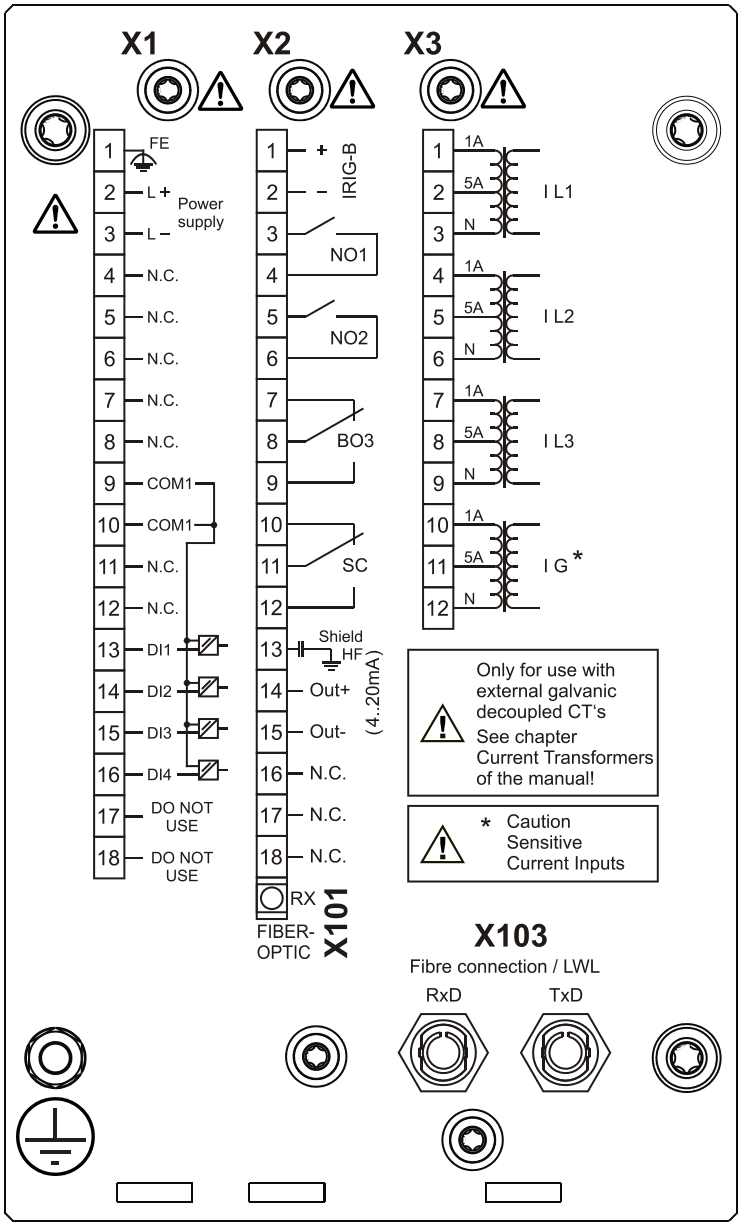
MRM4-2B1HEA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
connecting diagram see specification

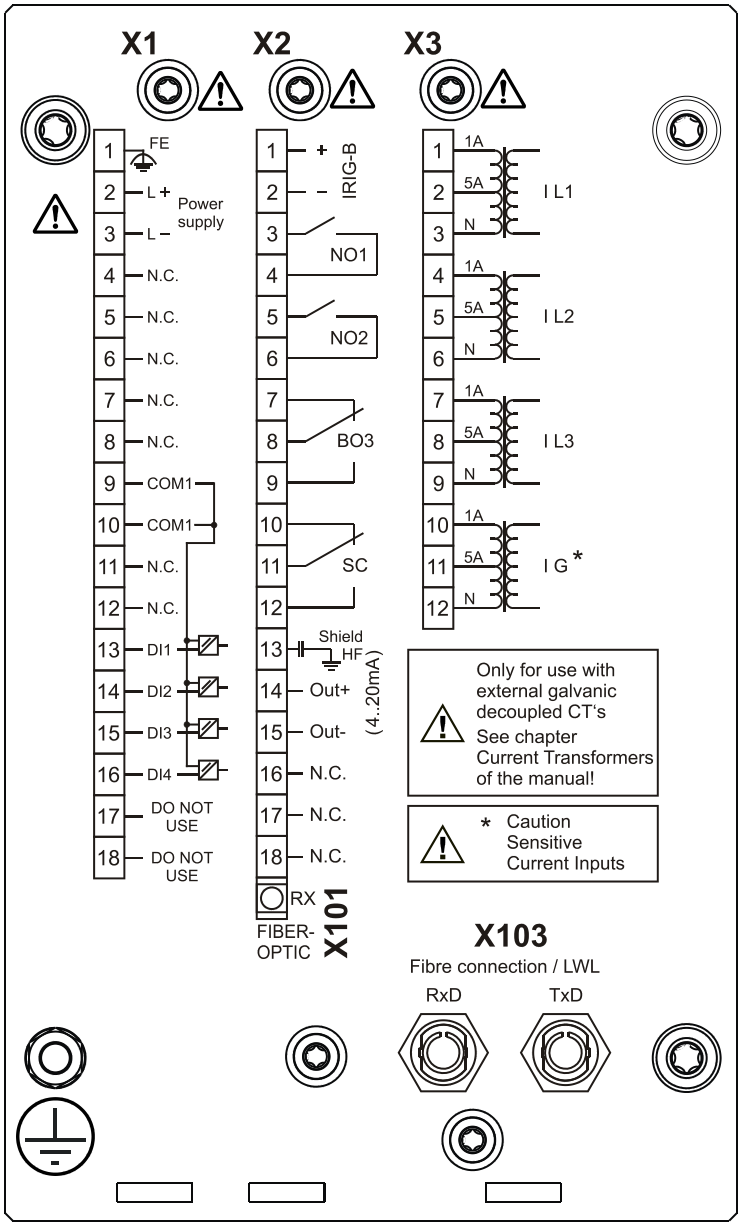
MRM4-2B1HEB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
connecting diagram see specification

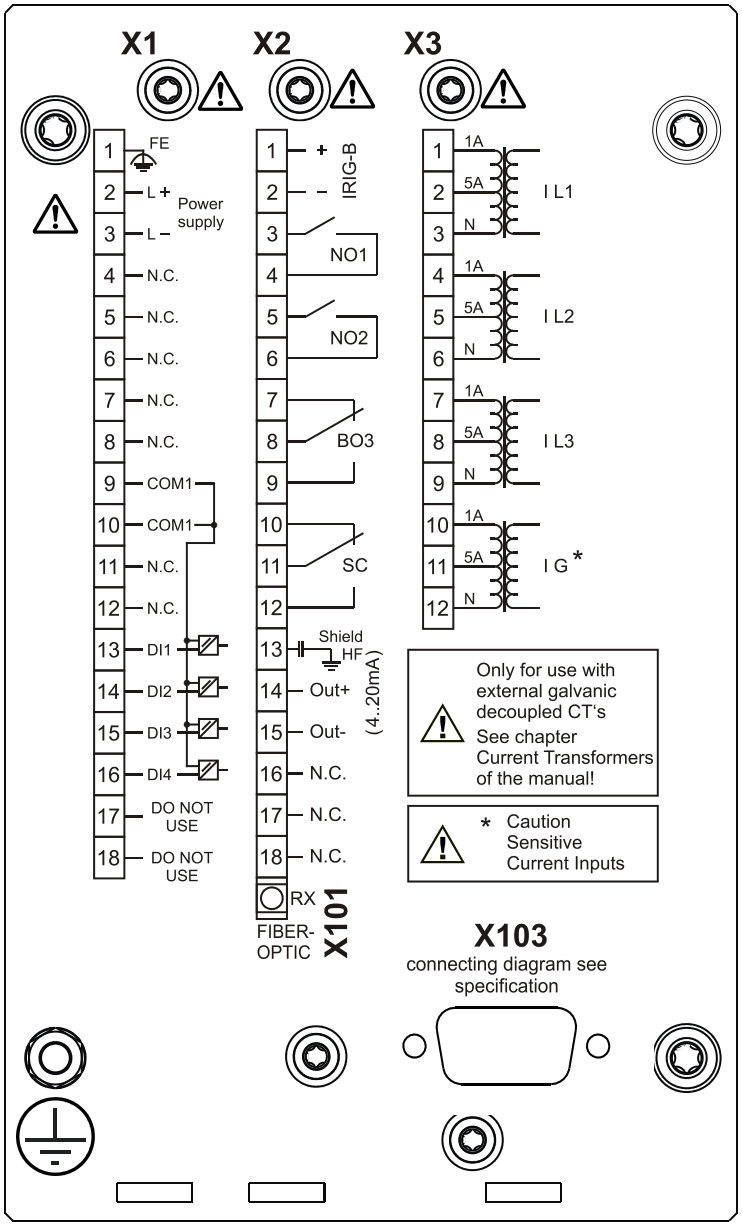
MRM4-2B1HFA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD
TxD

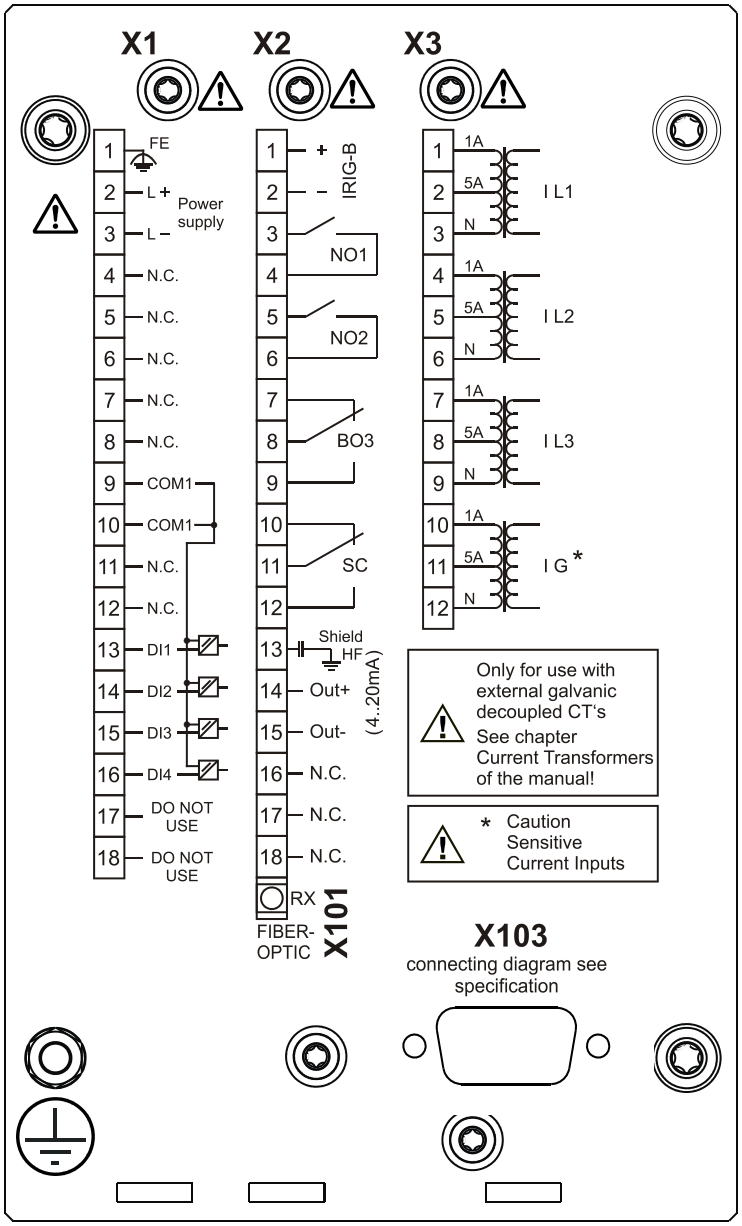
MRM4-2B1HFB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD
TxD

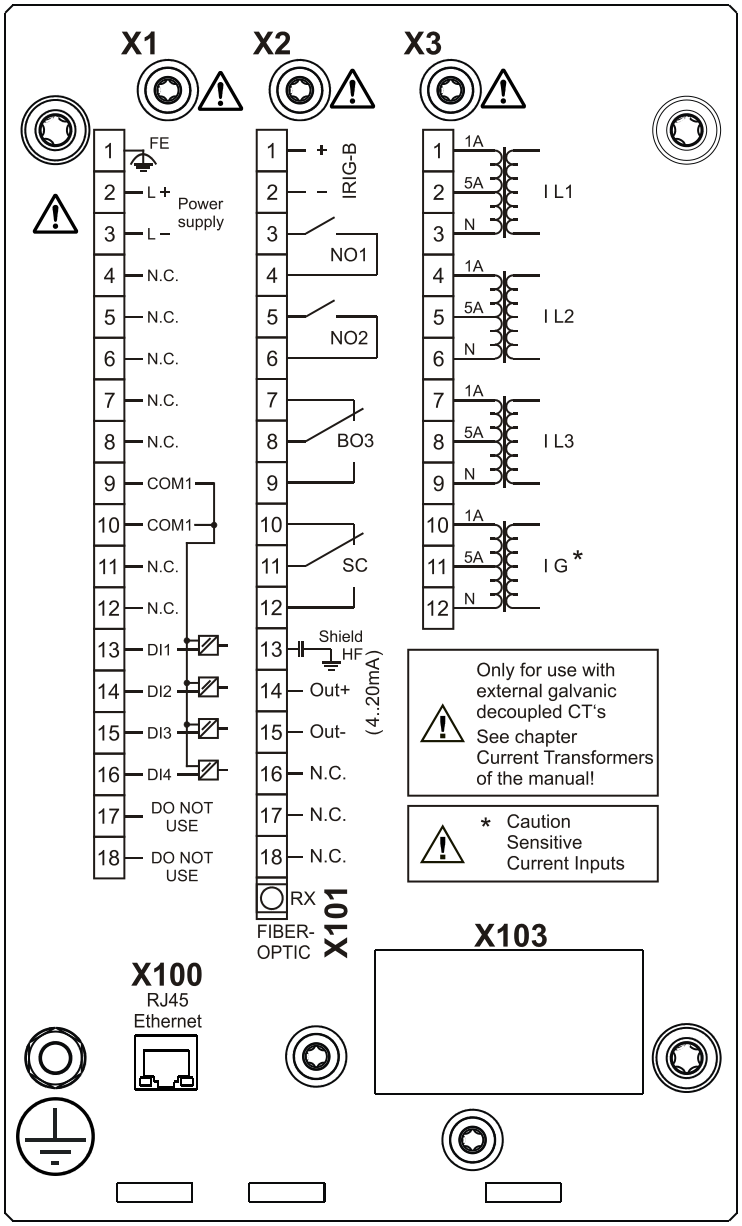
MRM4-2B1HGA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
connecting diagram see specification

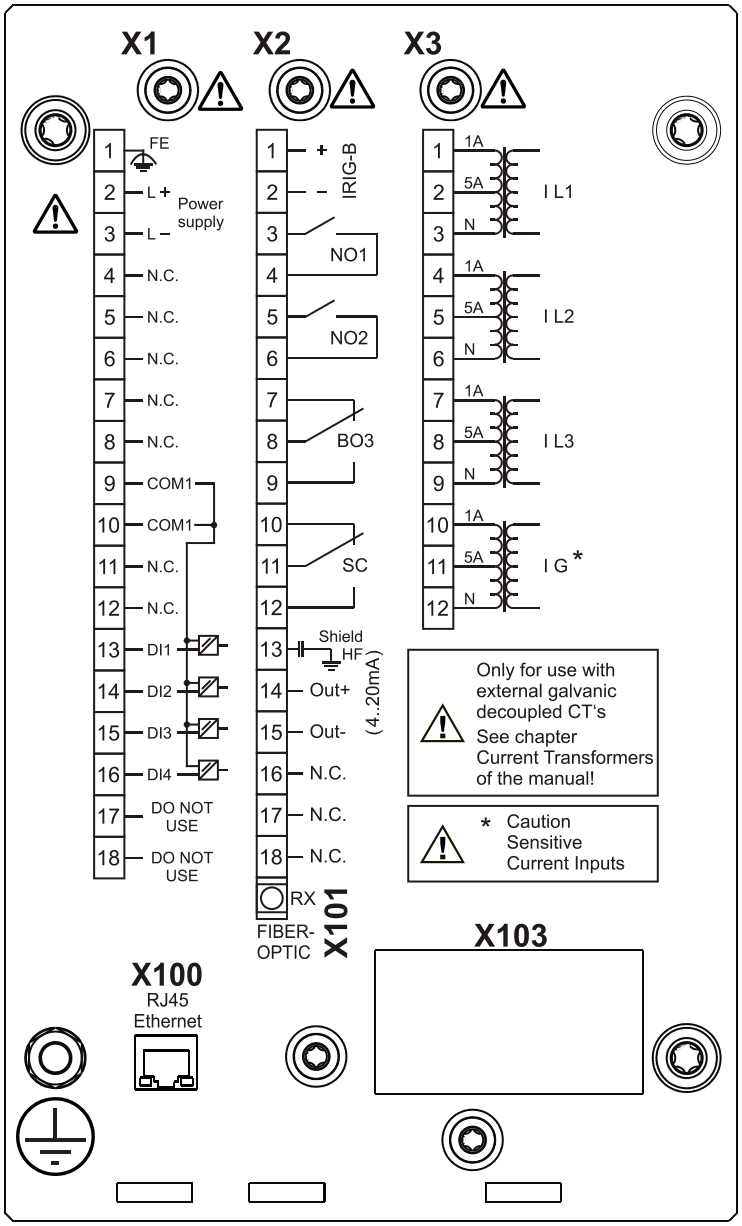
MRM4-2B1HGB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3 NO1
4
5 NO2
6
7
8 BO3
9
10
11 SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
connecting diagram see specification

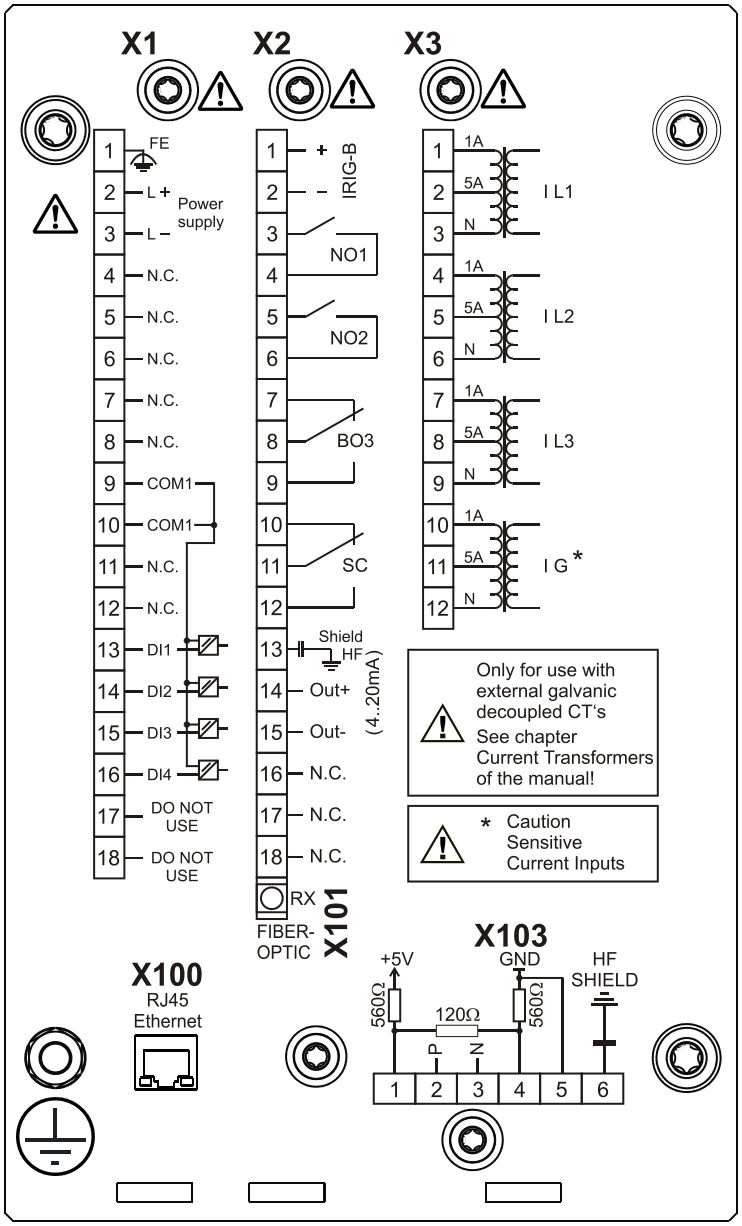
MRM4-2B1HHA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X103

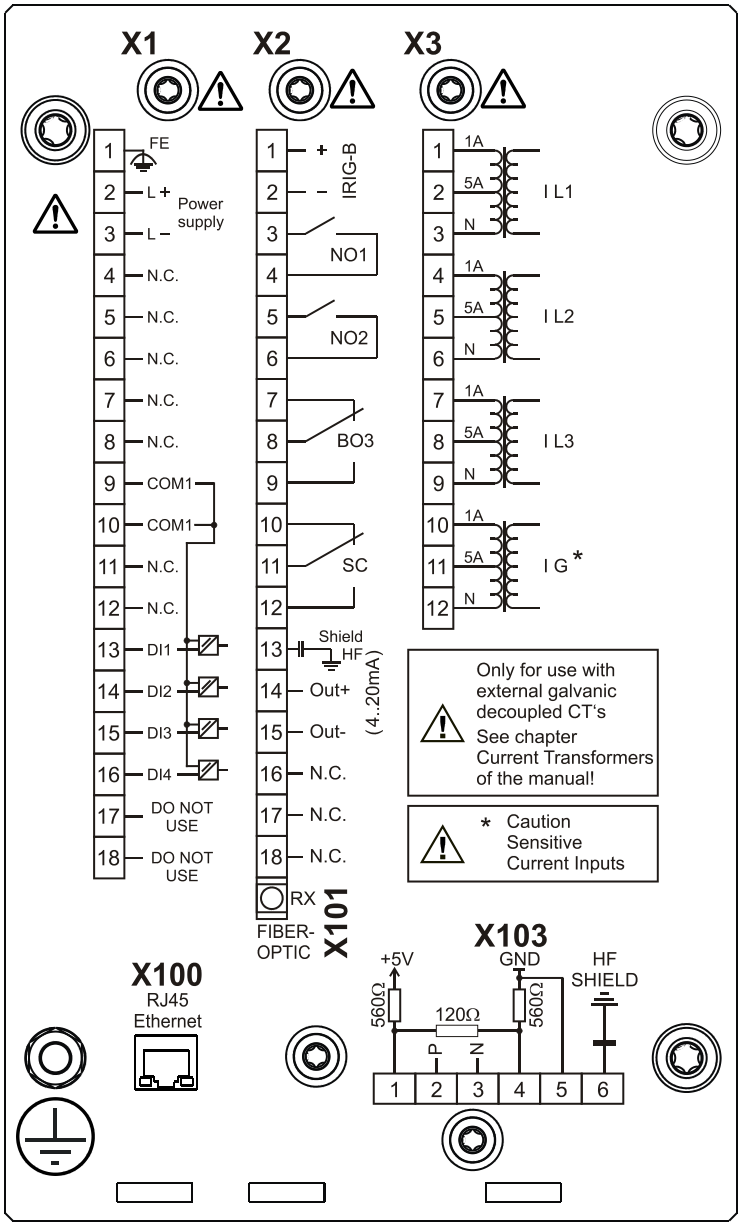
MRM4-2B1HHB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X103

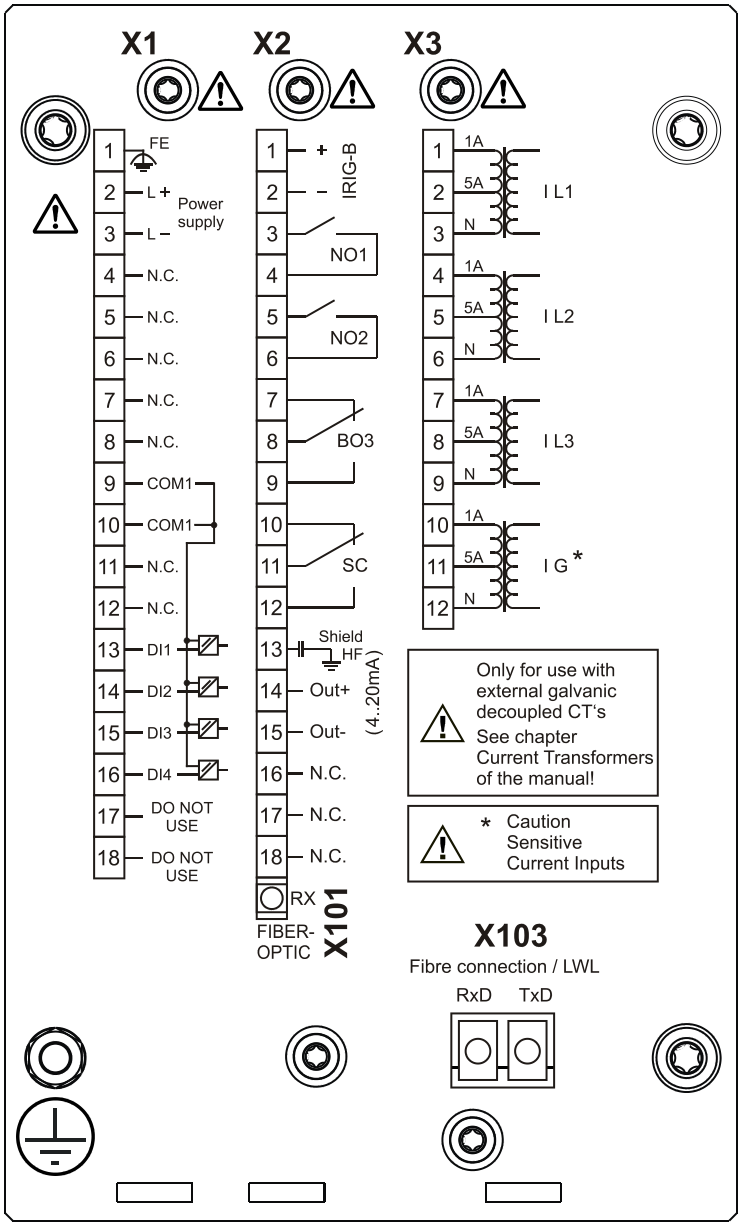
MRM4-2B1HIA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

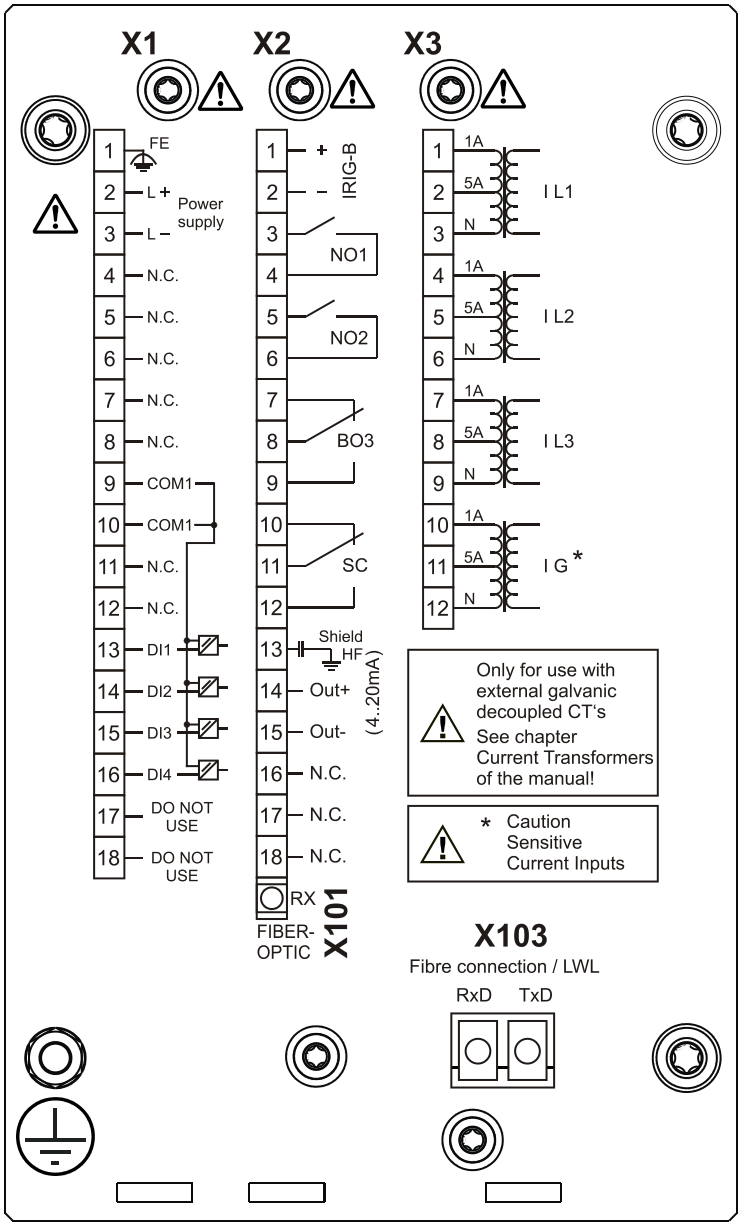
MRM4-2B1HIB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X100
RJ45
Ethernet
X103
+5V
GND
HF SHIELD
560Ω
120Ω
560Ω
P
N
1 2 3 4 5 6

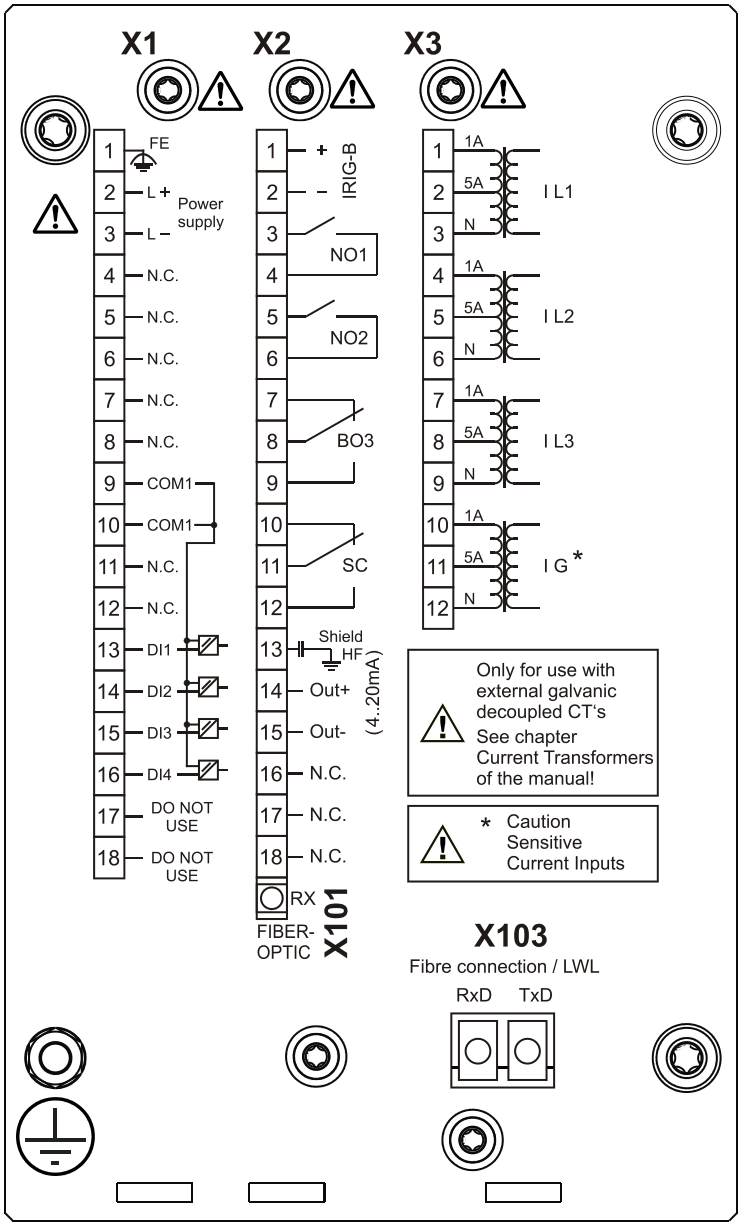
MRM4-2B1HKA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD
TxD

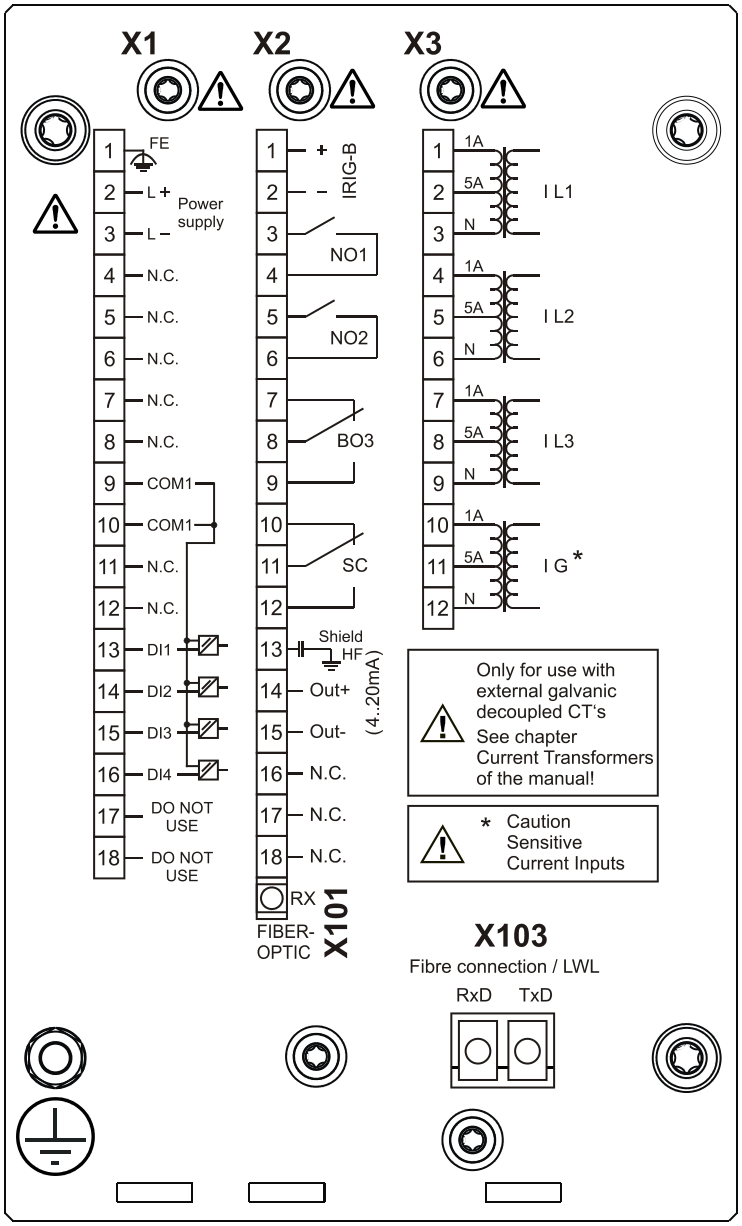
MRM4-2B1HKB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD
TxD

MRM4-2B1HLA


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1 1A
2 5A
3 N
I L1
4 1A
5 5A
6 N
I L2
7 1A
8 5A
9 N
I L3
10 1A
11 5A
12 N
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD
TxD

MRM4-2B1HLB


X1
X2
X3
1 FE
2 L+
3 L-
Power supply
4 N.C.
5 N.C.
6 N.C.
7 N.C.
8 N.C.
9 COM1
10 COM1
11 N.C.
12 N.C.
13 DI1
14 DI2
15 DI3
16 DI4
17 DO NOT USE
18 DO NOT USE
1 +
2 -
IRIG-B
3
NO1
4
5
NO2
6
7
8
BO3
9
10
11
SC
12
13 Shield HF
14 Out+
15 Out-
(4..20mA)
16 N.C.
17 N.C.
18 N.C.
RX
FIBER-OPTIC
X101
1A
5A
N
I L1
I L2
I L3
I G *
Only for use with external galvanic decoupled CT's
See chapter Current Transformers of the manual!
* Caution Sensitive Current Inputs
X103
Fibre connection / LWL
RxD
TxD