

Adapter CT (3-Phases, 1 A or 5 A) for Use with the Protection Relay WIC1

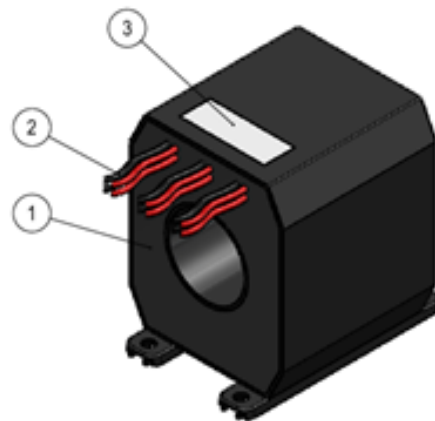
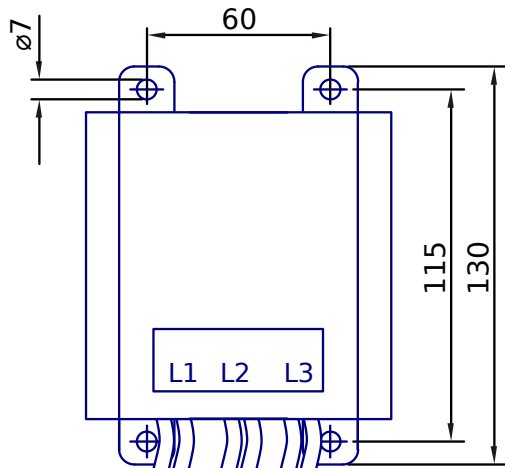
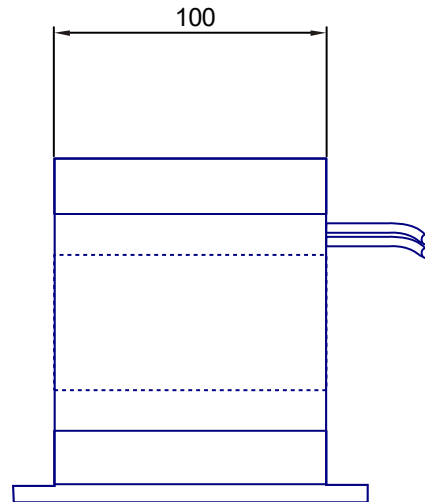
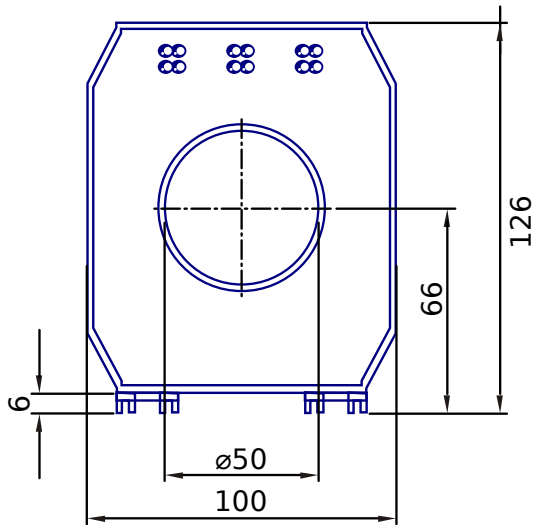
The 3-Phases Adapter Current Transformer **WIC1-CT-1A/3P** or **WIC1-CT-5A/3P** is used with common CTs that have a secondary current of 1 A or 5 A. The Adapter CT transforms this secondary current to the input current that is expected by the protection device WIC1.

The **WIC1-CT-xA/3P** transformer consists of three toroidal, soft magnetic, highly permeable tape-wound cores being uniformly wound with copper wires. To guarantee the electrical and mechanical resistance of the current transformer the cores are encapsulated by a thermoplastic housing filled with polyurethane resin. The housing is flame resistant and free from halogen. The **WIC1-CT-xA/3P** is furnished with cables of length 3000 mm, that have cable riders as labels. The cables may be shortened to the required length.

Accuracy class, overcurrent characteristics and supply energy of the current transformer **WIC1-CT-xA/3P** are adapted to the protection relay WIC1. Please see the WIC1 User Manual to check whether the existing 1 A / 5 A standard CTs can be used with the Adapter CTs.

Technical Data	Available Versions	
	WIC1-CT-1A/3P	WIC1-CT-5A/3P
Weight (approx.)	3.65 kg	
Rated insulation level	0.72 / 3 / -- kV	
Rated frequency	50 / 60 Hz	
Primary current range	1 A	5 A
Secondary current range	0.083 A	
Accuracy class	5P80	
Continuous thermal current	extd. 120%	
Short-time thermal current	$I_{th} = 100 \times I_r / 1 \text{ s}$	
Dynamic current	$I_{dyn} = 2.5 \times I_{th}$	
Insulating class	E	
Ambient air temperature	-40° to + 85°C	
Standard	IEC 61869-1 and -2	
Dimensions	According to drawing (next page)	
Color	Black housing shell, brown resin	

Note: Technical data only valid with the protection relay WIC1.



All dimensions in mm.

1	Thermoplastic housing with resin filling
2	Connection cables, 2.5 mm ² , length = 3000 mm
3	Rating plate

WARNING!



Due to technical constraints with respect to construction, the Adapter CT has a window, just like the feed-through of a standard CT. But it is not permitted to mount an MV / primary current cable through this Adapter CT window! Ignoring this can result in dangerous voltages at the contacts, and due to wrong measuring values there would not be any effective protection of your equipment.