

Data Sheet for Article: MG958150-A

Current transformer 1500/5A 80x30, class 0.5

Version Dry type transformer, air insulation, Input current 1500A, IP Rating IP00 terminals, IP20 with terminal cover, Product category Normal installation (DIN EN 61869-2), Class 0,5



Technical Data

Note	The converter is not allowed to be operated with open secondary side, because this leads to a dangerous overvoltage at the secondary side and overheating of the converter!!! (EN60044-1/A2) Therefore, when disconnecting the measuring device, meter or power analyzer, short-circuit the secondary side.
Intended use	for copper bars up to 80 x 30mm
Product standard	BS3938 EN 61869-2 BS7626
Cut-out size (mm)	80x30
Specifications	
Rated current primary side I _{pr} (A)	1500
Rated frequency (Hz)	50
Frequency range	47 - 63Hz

Technical Data - continued

Thermal rated continuous current according to EN60044-1

Short-time current I_{th}	< 60 I_{pr}
Rated dynamic current I_{dyn}	2.5 I_{th}
Safety factor	≤ 5
Rated current secondary side I_{sr}	5A
Thermal power loss	$\leq 19W$ at I_{cth} 125°C Maximum temperature cable/busbar.

Insulation requirements

Version	Dry type transformer, air insulation
Max. Operating voltage U_m	0.72kV r.m.s.
Isolation test voltage	3 kV R.M.S. 50 Hz/1 min
Isolation	Class B (EN/IEC 61869-1, 61869-2)

Working conditions

Product category	Normal installation (DIN EN 61869-2)
Reference temperature (°C)	23°C ± 1 °C
Temperature range - Operation (°C)	-25 bis +40
Daily average temperature	≤ 30 °C
Temperature range - Transport/storage (°C)	-40 to +85
Relative humidity (%)	≤ 85
Climatic proofing	Suitable for tropical climate

Housing

Housing material	Polycarbonate, self-extinguishing Class V0 according to UL-94
IP Rating	IP20 with terminal cover IP00 terminals
Gewicht (g)	700
mounting	by fixing screws on the busbar

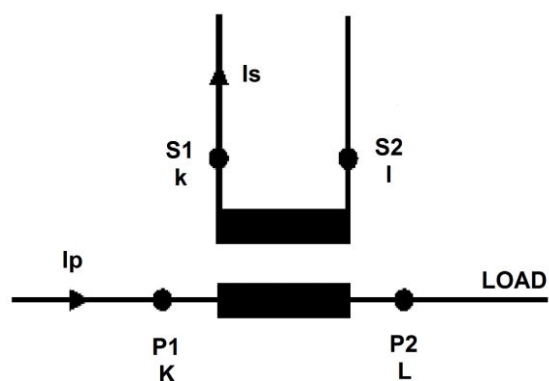
Connections

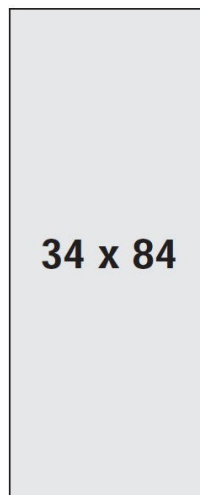
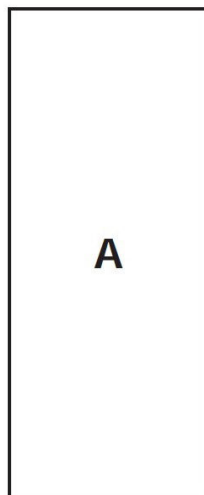
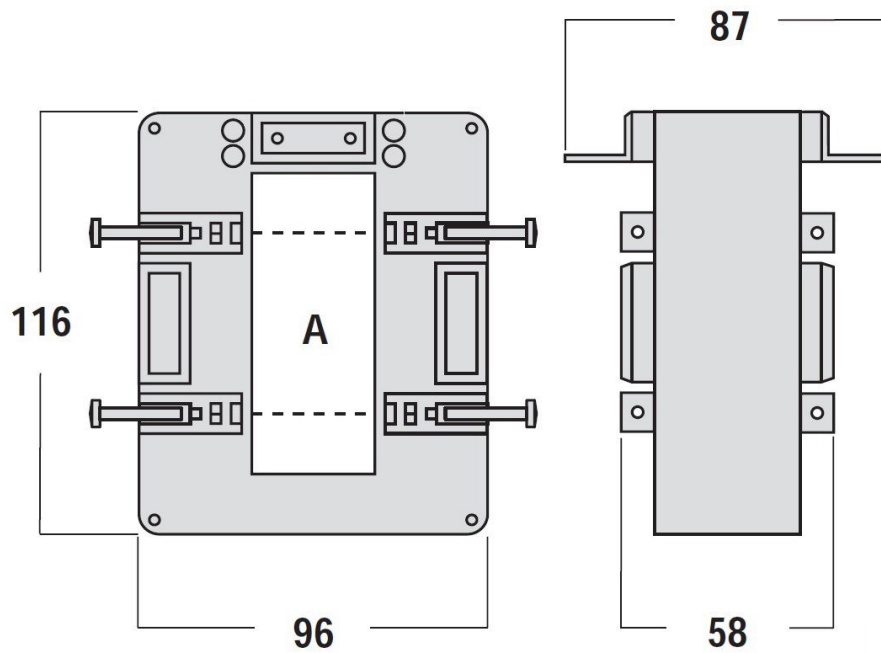
Winding secondary side	Screw terminals M4
------------------------	--------------------

Accuracy classes

Burden	Class 3 (25VA) Class 0.5 (15VA) Class 1 (20VA)
--------	--

Schaltbild



Maßbild

SCHRACK Technik GmbH, AT-1235 Wien, Seybelgasse 13
www.schrack.com

Article Table

DESCRIPTION	Order No.
Current transformer 1500/5A 80x30, class 0.5	
Version Dry type transformer, air insulation, Input current 1500A, IP Rating IP00 terminals, IP20 with terminal cover, Product category Normal installation (DIN EN 61869-2), Class 0,5	MG958150-A
Optional Accessories	
Digital CT kWh Meter 1A/5A (6A), 3phase, 2 tariffs, MID	
Measurement of supply and reference (2 directions)	MGX20006
Digital CT kWh Meter 1A/5A(6A), 3phase, 2 tariffs, MID, M-Bus	
Measurement of supply and reference (2 directions)	MGX20306
Digital CT kWh Meter 1A/5A(6A), 3phase, 2 tariffs MID, Modbus	
Measurement of supply and reference (2 directions), Modbus: selectable baud rates 300/600/1200/4800/9600	MGX20406