

Data Sheet for Article: MGC54010--

Current transformer 100/5A 30x10, class 0.5

Input current 100A, Burden Class 0.5 (1.5VA)



Technical Data

IP Rating	IP20
Burden	Class 0.5 (1.5VA)
Note	Due to dangerous overvoltage and overheating, the Current Transformer is not allowed to be operated with open secondary Side. (EN 60044-1 /A2) As soon as the Measurement Device, the Energy Counter or the Net Analyzer is disconnected, the secondary Side has to be shortcuted!
Intended use	for copper bars up to 30 x 10mm
Product standard	EN 61869-2
Cut-out size (mm)	30x10
Insulation requirements	
Max. Operating voltage Um	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)
Specifications	
Rated current primary side Ipr (A)	100
Rated frequency (Hz)	50-60Hz
Short-time current Ith	< 60Ipr

Technical Data - continued

Thermal rated continuous current according to EN60044-1

Rated dynamic current I_{dyn}	2.5I _{th}
Rated current secondary side I_{sr}	5A
Tightening torque (Nm)	2
Housing material	Polycarbonate, self-extinguishing

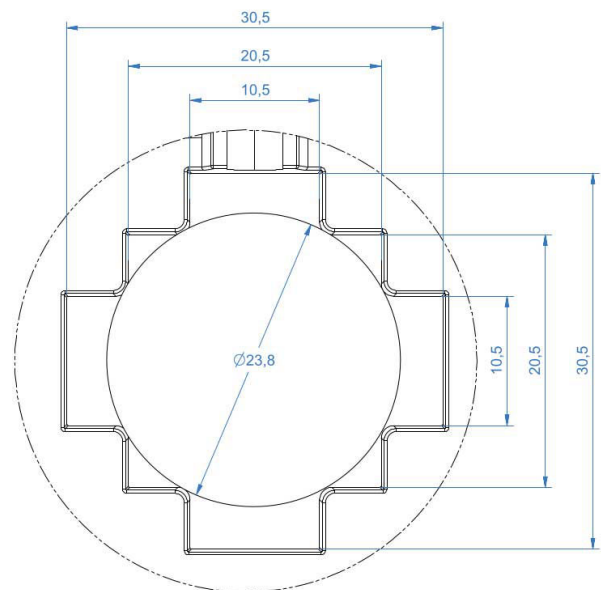
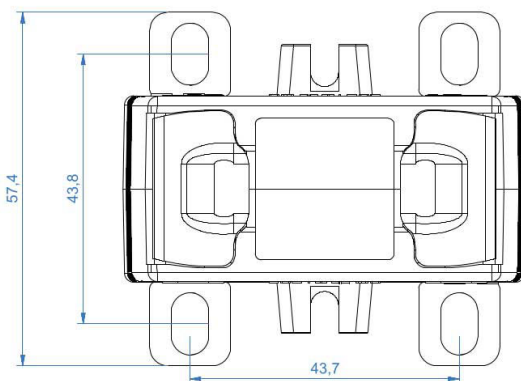
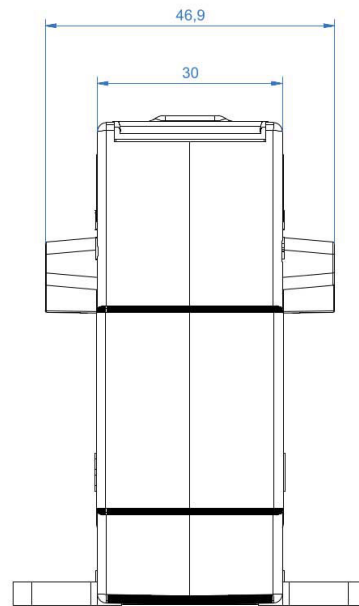
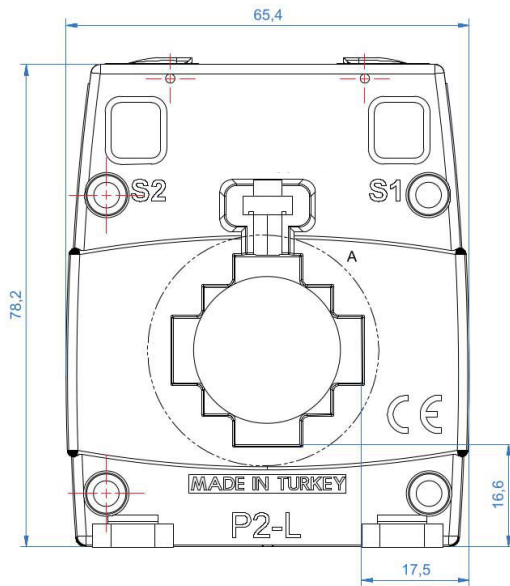
Accuracy classes

Reference temperature (°C)	23°C ±1°C
Load current error	For class 0.5 and 5% I_n : ±1.5% For class 0.5 and 120% I_n : ±0.5% For class 0.5 and 100% I_n : ±0.5% For class 0.5 and 20% I_n : ±0.75%

Working conditions

Temperature range - Transport/storage (°C)	-25 to +60
Temperature range - Operation (°C)	-5 to +40

Maßbild MGC54010--



DESCRIPTION	Order No.
Current transformer 100/5A 30x10, class 0.5 Input current 100A, Burden Class 0.5 (1.5VA)	MGC54010