

Data Sheet for Article: MGC57100--

Current transformer 1000/5A 80x40, class 0.5

Input current 1000A, Burden Class 0.5 (15VA)



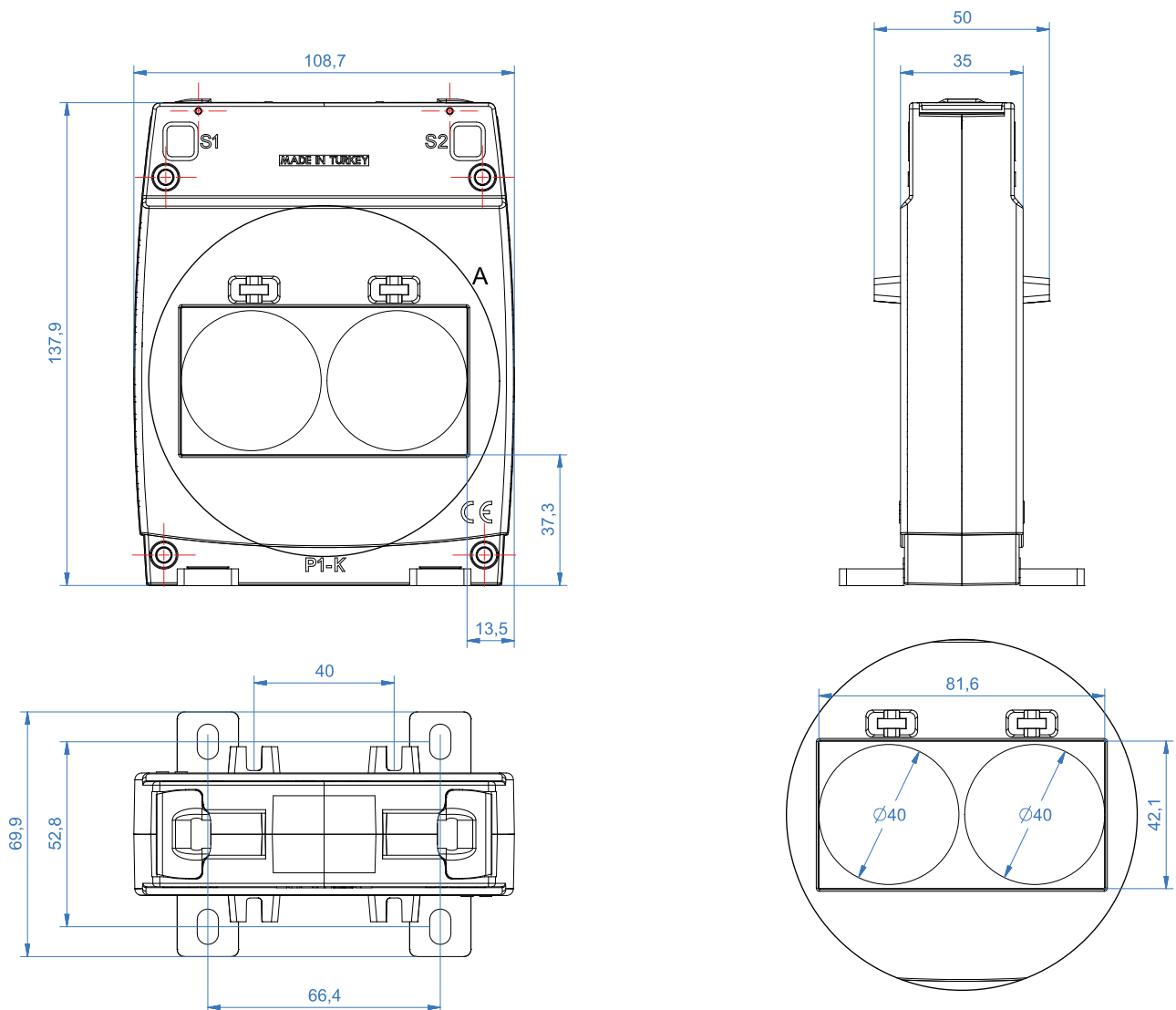
Technical Data

IP Rating	IP20
Burden	Class 0.5 (15VA)
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 65 x 32mm
Product standard	EN 61869-2
Cut-out size (mm)	65x32
Insulation requirements	
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)
Specifications	
Rated current primary side I_{pr} (A)	1000
Rated frequency (Hz)	50-60Hz

Technical Data - continued

Short-time current I_{th}	$< 60 I_{pr}$
Thermal rated continuous current according to EN60044-1	
Rated dynamic current I_{dyn}	$2.5 I_{th}$
Rated current secondary side I_{sr}	5A
Tightening torque (Nm)	2
Housing material	Polycarbonate, self-extinguishing
Accuracy classes	
Reference temperature (°C)	$23^{\circ}\text{C} \pm 1^{\circ}\text{C}$
Load current error	For class 0.5 and 5% I_n : $\pm 1.5\%$
	For class 0.5 and 120% I_n : $\pm 0.5\%$
	For class 0.5 and 100% I_n : $\pm 0.5\%$
	For class 0.5 and 20% I_n : $\pm 0.75\%$
Working conditions	
Temperature range - Transport/storage (°C)	-25 to +60
Temperature range - Operation (°C)	-5 to +40

Maßbild MGC57100--



DESCRIPTION	Order No.
Current transformer 1000/5A 80x40, class 0.5 Input current 1000A, Burden Class 0.5 (15VA)	MGC57100