

Data Sheet for Article: MG960040--

Current transformer, 400/5A, 40x10, BEV-calibration possible

Class 0,5, Input current 400A, BEV-calibration possible



Technical Data

Note

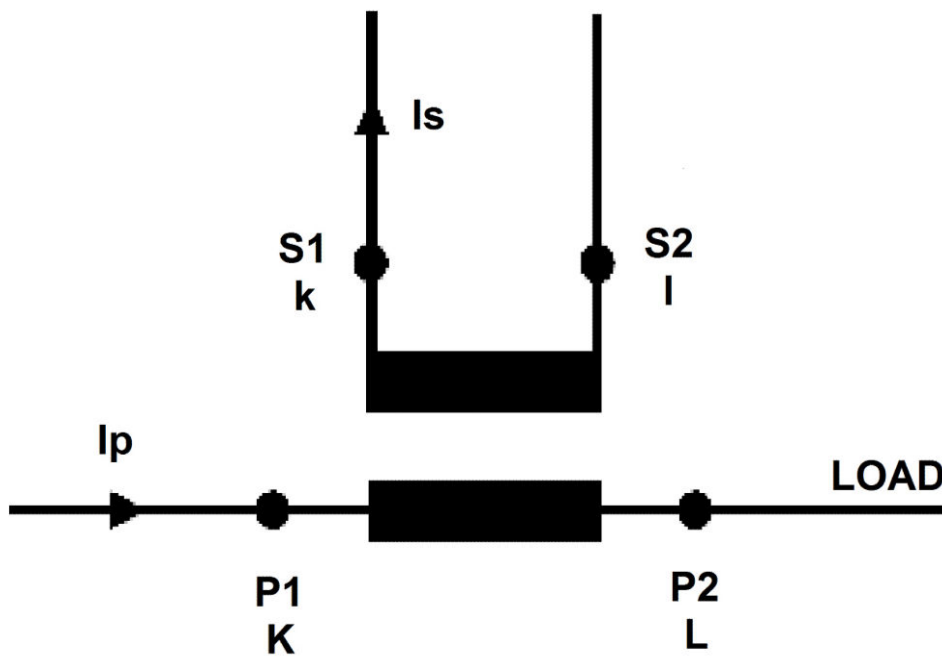
The transformers are not included in the MID directive, which means that the national BEV standard applies here.
Calibrated and listed by the Austrian Federal Office of Metrology and Verification (BEV) as a billing current transformer and can therefore be calibrated.
If current transformers are used with energy meters for official billing purposes, only devices approved and calibrated in accordance with the calibration law should be used.

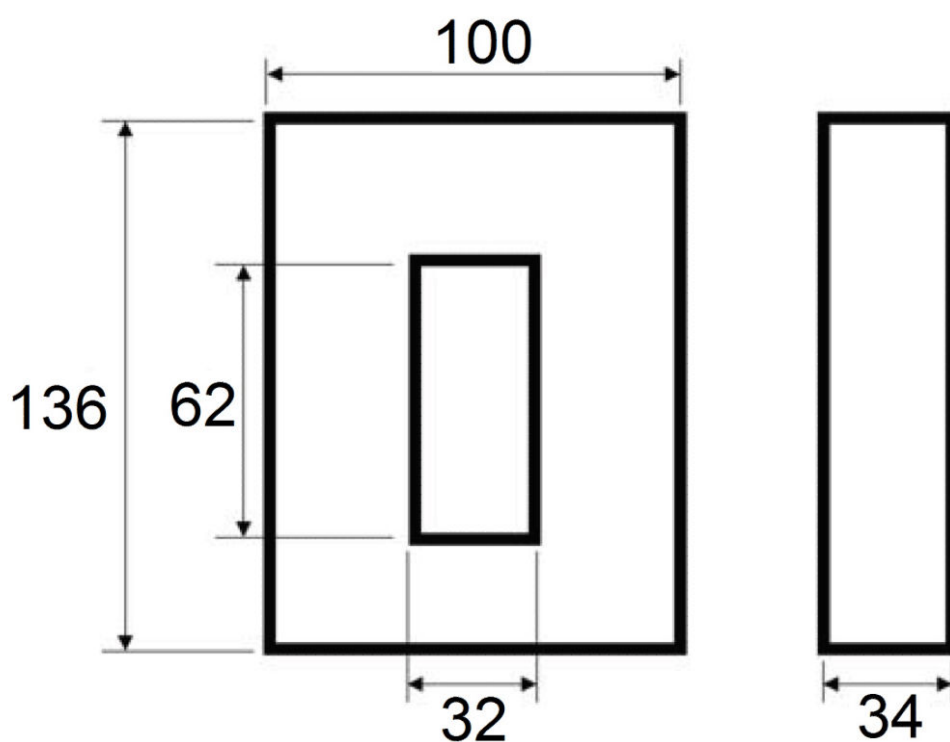
Intended use	for cables up to diameter 35mm for copper bars up to 40 x 10mm
Specifications	calibratable
Rated current primary side I _{pr} (A)	400
Rated frequency (Hz)	51
Frequency range	47 - 63Hz
Thermal rated continuous current according to EN60044-1	
Short-time current I _{th}	< 60I _{pr}
Rated dynamic current I _{dyn}	2.5I _{th}

Technical Data - continued

Safety factor	≤ 5
Rated current secondary side I _{sr}	5A
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 (EN60044-1)
Working conditions	
Product category	Normal installation (EN60044-1)
Reference temperature (°C)	23°C ±1°C
Temperature range - Operation (°C)	-25 to +50
Daily average temperature	≤ 30°C
Temperature range - Transport/storage (°C)	-40 to +85
Housing	
Housing material	Polycarbonate, self-extinguishing Class V0 according to UL-94
IP Rating	IP20
Mounting method	screwable for wall mounting snap-on DIN rail 35 mm
DIN rail	TH35-15 (EN60715)
Connections	
Terminal labeling	Winding secondary side s1(k) - s2(l) Winding primary side P1(K) - P2(L)

Circuit diagram: Current transformer, 400/5A, 40x10, BEV-calibration possible



Dimmension

Article Table

DESCRIPTION	Order No.
Current transformer, 400/5A, 40x10, BEV-calibration possible Class 0,5, Input current 400A, BEV-calibration possible	MG960040
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