

Current-Transformers, for busbar 30x10mm



MG954030-A

Schrack-Info

- Current transformers for low-voltage network
- Single-phase current transformer
- Passing cable up to 27mm diameter or busbar up to 30 x 10 mm, primary
- Primary current 50...600A
- Secondary current 5A

Technical Data

Reference Standards		EN 60044-1			
Specifications					
Rated primary current Ipr :		50A, 60A, 100A, 150A, 200A, 250A, 300A, 400A, 500A, 600A			
Rated frequency:		50Hz			
Working frequency:		47 - 63Hz			
Rated continuous thermal current according to EN60044-1 (Icth)					
Rated short-time thermal current Ith:		< 60Ipr			
Rated dynamic current Idyn :		2,5Ith			
Instrument security factor (FS):		≤ 5			
Rated secondary current Isr :		5A			
Rated burden:		1,5...20VA (according table)			
Accuracy class:		0,5 - 1 - 3 (according table)			
Max. power dissipation:					
for switchboard thermal calculation:		≤ 7W at Icth			
The allowed max cable or busbar temp is:		125°C			
Isolation Requirements					
Dry transformer, air insulation					
Highest voltage for equipment Um:		0,72kV r.m.s.			
Rated insulation level:		3kV r.m.s. 50Hz/1 min			
Class of insulation (EN60044-1):		B			
Environmental Conditions					
Non-exposed installation (EN60044-1)					
Reference temperature:		23°C ± 1°C			
Nominal temperature range:		- 25...50°C			
Daily mean temperature:		≤ 30°C			
Limit temperature range for storage:		- 40...85°C			
Relative humidity:		≤ 85% (Suitable for tropical climates)			
Limits of Currents Error and Phase Displacement (EN60044-1)					
	Accuracy class	± Percentage current (ratio) error at percentage of rated current shown below			
		5%In	20%In	100%In	120%In
	0,5	1,5	0,75	0,5	0,5
	1	3	1,5	1	1
	3				3
Housing					
Housing material:		self-extinguishing polycarbonate, classification V0 according to UL-94			
Protection degree (EN60529):		IP20			
Fixing:		screw facility for wall mounting Option: fixing 35 mm rail mounting (EN50022)			
DIN-rail-type:		TH35-15 (EN60715)			
Weight:		260 gr.			
Connections					
Primary winding:		continuous wire			
Secondary winding:		screw terminals			
		max. 2 separated wires 2,5 mm ²			

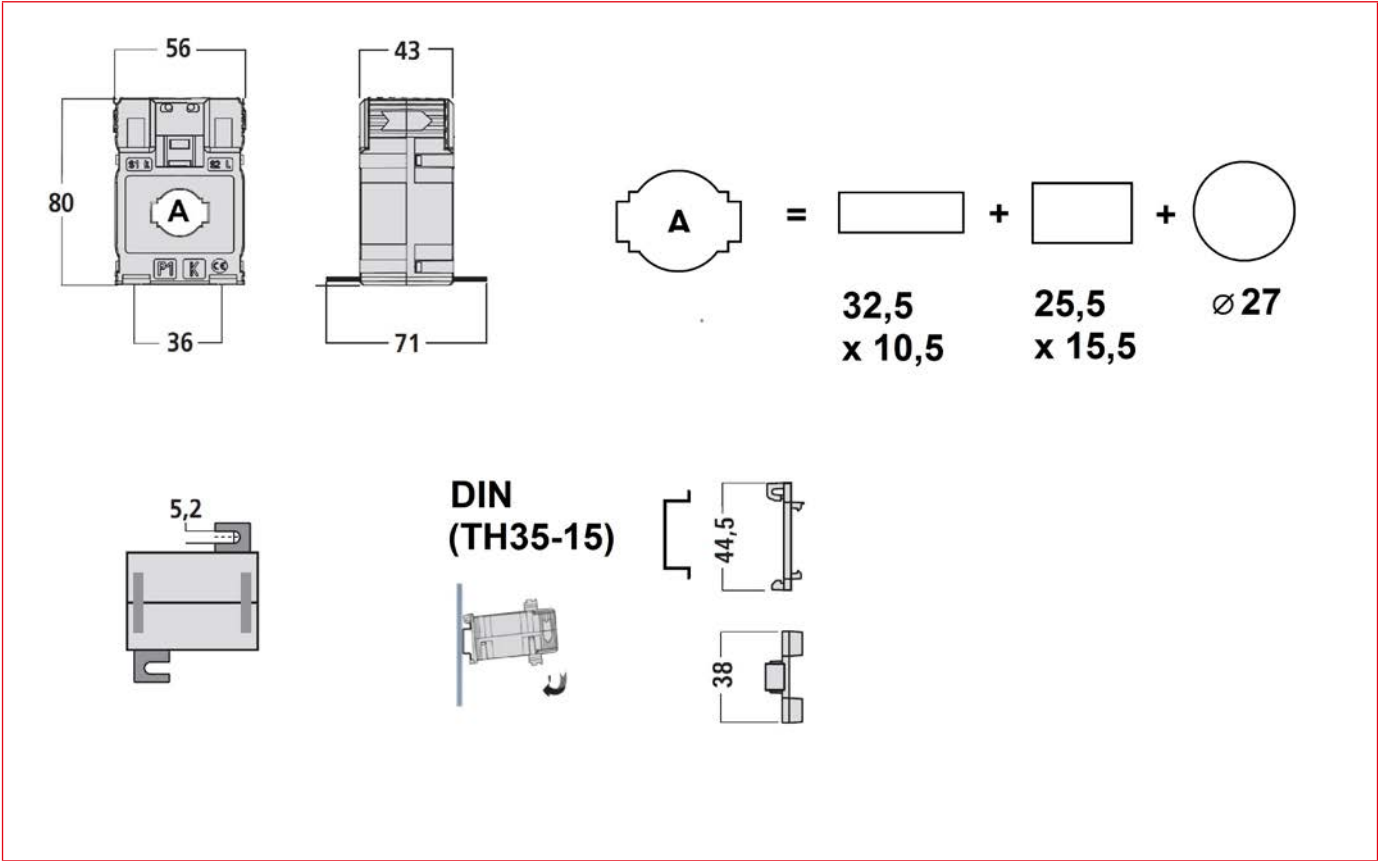
Current Transformers

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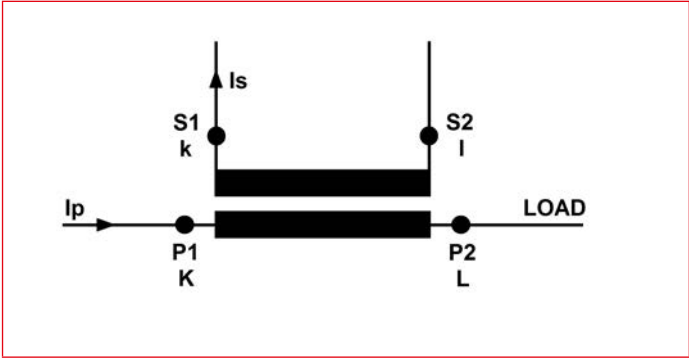
Rated Burden

Type:	Class 0,5	Class 1	Class 3
50/5A	-	-	1,5 VA
60/5A	-	-	2,5 VA
100/5A	1,5 VA	3 VA	-
150/5A	3 VA	5 VA	-
200/5A	4 VA	7 VA	-
250/5A	6 VA	8 VA	-
300/5A	8 VA	10 VA	-
400/5A	10 VA	12 VA	-
500/5A	12 VA	15 VA	-
600/5A	15 VA	20 VA	-

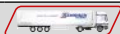
Dimensions



Wiring Diagram



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DESCRIPTION	AVAILABLE	ORDER NO.
50/5A		MG954005-A
60/5A		MG954006-A
100/5A		MG954010-A
150/5A		MG954015-A
200/5A		MG954020-A
250/5A		MG954025-A
300/5A		MG954030-A
400/5A		MG954040-A
500/5A		MG954050-A
600/5A		MG954060-A

