



**current transformer
TM3**

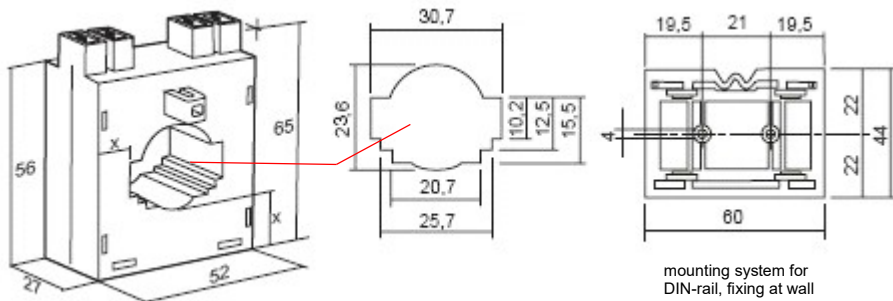
rail: 30x10mm
25x15mm

cable: Ø23mm

standards	IEC185, according to the new IEC61869-1 und IEC 61869-2	
housing	book-proof plastic case (ABS-V0) , flame retardant according to UL 94	
terminals	secondary terminals for flat-pin 6,3mm	
frequency	50.....60Hz	
insulation class	E (IEC185)	
thermic short circuit current	$I_{th} = 40 \times I_n$ für 1sec.	
dynamic short circuit current	$I_{dyn} = 2,5 \times I_{th}$ für 1 sec.	
max.service voltage	for insulation $U_m = 0,72kV$	
testing voltage	3kV / minute	
instrument security factor	FS5 to FS10	
operating conditions	room temperature: -20°C to +40°C	temperature on the bars: max. +70°C
secondary current	5A or 1A	

TM3			
primary current	secondary current	class	power
100A – 400A	5A or 1A	1,0 to 0,5	2VA to 3VA

dimensions



current transformer for measurements

Primary current	Class	Power	Secondary current	Secondary current	Weight
A		VA	5A	1A	Kg
100	3	2	TM3-100A5-3-2VA	TM3-100A1-3-2VA	0,20
120	1	1.5	TM3-120A5-1-1.5VA	TM3-120A1-1-1.5VA	0,20
125	1	1.5	TM3-125A5-1-1.5VA	TM3-125A1-1-1.5VA	0,20
150	1	2.5	TM3-150A5-1-2.5VA	TM3-150A1-1-2.5VA	0,20
200	1	3	TM3-200A5-1-3VA	TM3-200A1-1-3VA	0,20
250	0.5	2	TM3-250A5-0.5-2VA	TM3-250A1-0.5-2VA	0,20
300	0.5	2	TM3-300A5-0.5-2VA	TM3-300A1-0.5-2VA	0,20
400	0.5	3	TM3-400A5-0.5-3VA	TM3-400A1-0.5-3VA	0,20

current transformers electronic use

Primary current	Class	Code	Secondary current	Power	Turns number	Resistance (Ohms)	Secondary voltage (VAC)	Weight
A			A	VA	S1-S2	Ru	Vu	Kg
50	3	TM3EL-050A0.05-3-0.5VA	0,05	0,5	1000			0,2
200	1	TM3EL-200A0.20-1-4VA	0,20	4	1000			0,2
400	3	TM3EL-400A0.05-3-0.2VA	0,05	0,2	8000			0,2
400	1	TM3EL-400A0.20-1-4VA	0,20	4	2000			0,2
600	1	TM3EL-600A0.20-1-4VA	0,20	4	3000			0,2