

Current Transformers CT

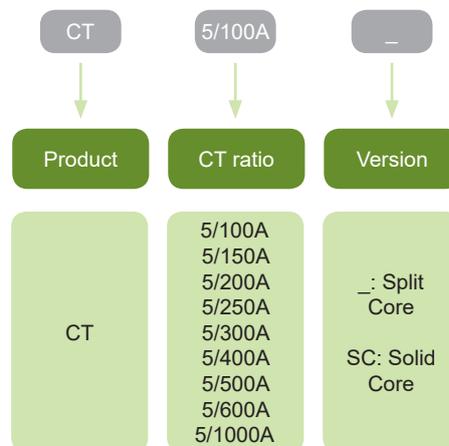


- Split core or solid core
- Primary current up to 1 000A

We offers wide range of solid core and split core current transformers. Their purpose is in measuring primary currents and produce a proportional secondary current signal. They are perfectly suitable for installation in combination with a Ex9EMS 3P 4M CT smart energy meters and Ex9EM 3P 4M CT 1T energy meter.

Split core CTs are designed for installation into existing plants where removal of busbars/cable lugs prevent installation of standard current transformers.

Type Key



Certification marks



Current Transformers CT

Current transformers - Solid core

- Primary current up to 1000A



Ratio	Article No.	Type	Packing
5/100A	107301	CT 5/100A SC	1/1/100
5/150A	107302	CT 5/150A SC	1/1/100
5/200A	107303	CT 5/200A SC	1/1/100
5/250A	107304	CT 5/250A SC	1/1/100
5/300A	107305	CT 5/300A SC	1/1/100
5/400A	107306	CT 5/400A SC	1/1/60
5/500A	107307	CT 5/500A SC	1/1/60
5/600A	107308	CT 5/600A SC	1/1/60
5/1000A	107309	CT 5/1000A SC	1/1/30

Current transformers - Split core

- Primary current up to 600A
- Possibility of installation into existing bushbars/cables



Ratio	Article No.	Type	Packing
5/100A	107310	CT 5/100A	1/1/48
5/150A	107311	CT 5/150A	1/1/48
5/200A	107312	CT 5/200A	1/1/48
5/250A	107313	CT 5/250A	1/1/48
5/300A	107314	CT 5/300A	1/1/48
5/400A	107315	CT 5/400A	1/1/39
5/600A	107316	CT 5/600A	1/1/39

Technical Data CT

Current transformers

General parameters

Primary current up to 1000A
Solid core or split core
Possibility of instalation into existing bushbars/cables

Electrical parameters

	CT Solid core	CT Split core
Max. rated voltage	660 V	660 V
Rated frequency f	50/60 Hz	50/60 Hz
Primary current	100 - 1 000 A	100 - 600 A
Secondary current	5 A	
Class	0.5	
Rated insulation voltage U_i	3 kV	2 kV
Burden	5/100 ... 2.5 VA 5/150 - 5/300 ... 5 VA 5/1000 ... 10 VA	5/100 - 5/300 ... 1.5 VA 5/400 - 5/600 ... 2 VA

Mechanical parameters

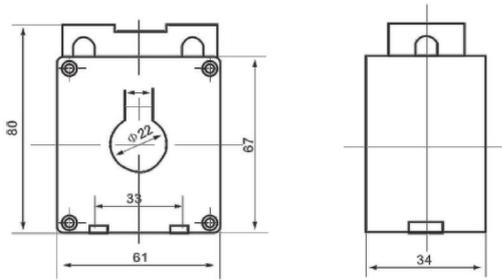
	CT Solid core	CT Split core
Device width		
5/100 - 5/300	34 mm	41 mm
5/400 - 5/600	40 mm	42 mm
5/1000	59 mm	-
Device height		
5/100 - 5/300	81 mm	66.5 mm
5/400 - 5/600	100 mm	84 mm
5/1000	121 mm	-
Device depth		
5/100 - 5/300	61 mm	50.5 mm
5/400 - 5/600	82 mm	57.5 mm
5/1000	125 mm	-
Terminals	screw terminals	integral 1m cable
Cable aperture		
5/100 - 5/300	23 mm	24 mm
5/400 - 5/600	37 mm	36 mm
5/1000	50 mm	-
Ambient temperature	-25°C — +40°C	-15°C — +40°C
Weight		
5/100 - 5/300	0.25 kg	0.25 kg
5/400 - 5/600	0.35 kg	0.42 kg
5/1000	0.59 kg	-

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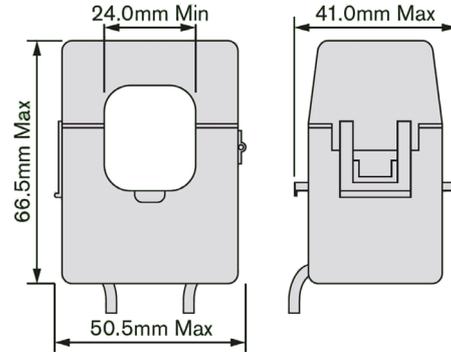
Current transformers

Dimensions

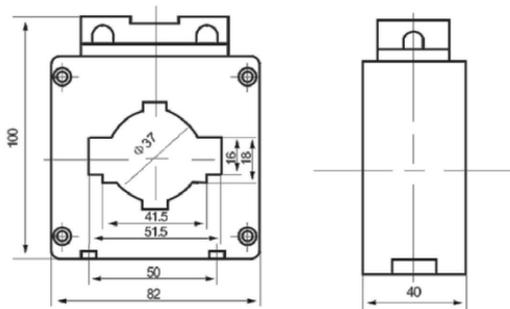
CT 5/100A SC
 CT 5/150A SC
 CT 5/200A SC
 CT 5/250A SC
 CT 5/300A SC



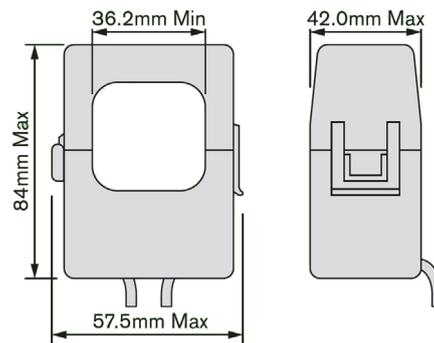
CT 5/100A
 CT 5/150A
 CT 5/200A
 CT 5/250A
 CT 5/300A



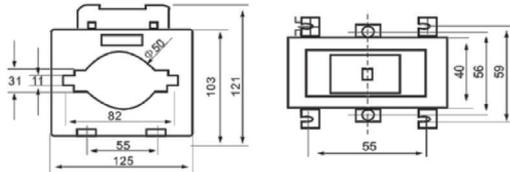
CT 5/400A SC
 CT 5/500A SC
 CT 5/600A SC



CT 5/400A
 CT 5/600A



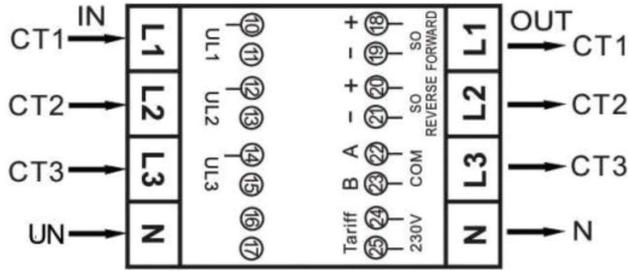
CT 5/1000A SC



Technical Data CT

Current transformers

Wiring diagrams



CT Solid core

S1 (on CT) to L1 IN (on the Meter)
S2 (on CT) to L1 OUT (on the Meter)

P1 (on CT) = IN
P2 (on CT) = OUT

CT Split core

Red cable to L1 IN
Black cable to L1 OUT

K (on CT) = IN
L (on CT) = OUT

Note: Be sure that the cables are in the right direction. If the CT is in the wrong way, then the meter will read in reverse.