RCT-SP
Current Transformer



Features:

- Use With Different Bus Bar
- Panel Mount / DIN RAil Mount (Optional Accessory)
- Accuracy: Class 0.5 - 1
- Wide measurement range from 30 A to 4000 A
- For busbars of various widths
- Certification: CE, RoHS, cULus

A current transformer is an essential component in modern electrical installations. It steps down high mains current a level safe for measuring instruments.

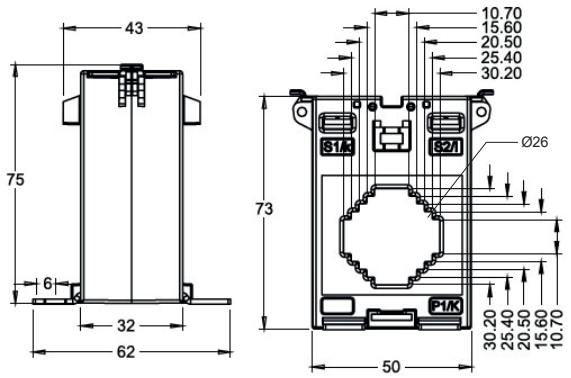
Advantages:

- Current scaling: The device precisely reduces the current flowing in the circuit to levels acceptable for standard meters and counters. This eliminates the need to invest in expensive equipment designed for high loads.
- The current transformer acts as a protective barrier. It provides galvanic isolation between the high-voltage network and sensitive measuring devices, as well as operating personnel, thereby minimizing the risk of electric shock and equipment damage.
- Reliable network protection: Data supplied by the current transformer enables protection systems to quickly detect and respond to hazardous conditions, such as:
  - System overloads
  - Short circuits in the network.

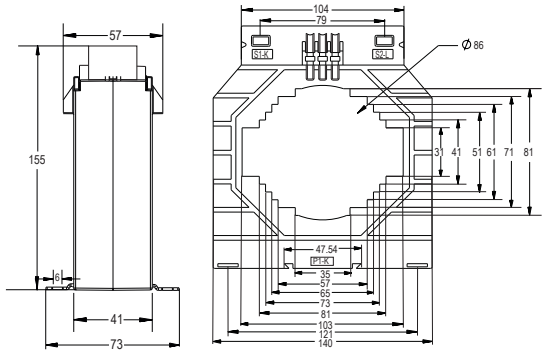
Input/output specification		
Rated current primary input		70 A to 4000 A
Rated current secondary output		5 A
Technical specification		
Rated burden		1 VA to 15 VA
Accuracy class		0,5 to 1
Thermal Nominal Continuous	I_{cth}	120% I_n
Thermal short circuit current	I_{TH}	60 × I_n 1 s.
Instrument security factor		FS < 5
Insulation class		E (120°C max)
Max operating voltage (Urn)	U_m	720 V max
Isolation test voltage		3 kV AC 1 minute
Rated frequency		50 Hz – 60 Hz
Environmental specifications		
Ambient temperature		0°C to +50°C
Humidity		<95% RH (Non-condensing)
Storage temperature		−5°C to +50°C
Mounting		
Mounting modes		Panel Mount / DIN Rail Mount
Standard		
Applicable standard		IEC 61869-2

Dimensions

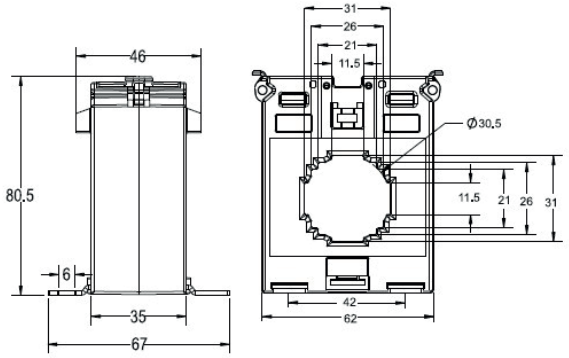
RCT-SP 50/30



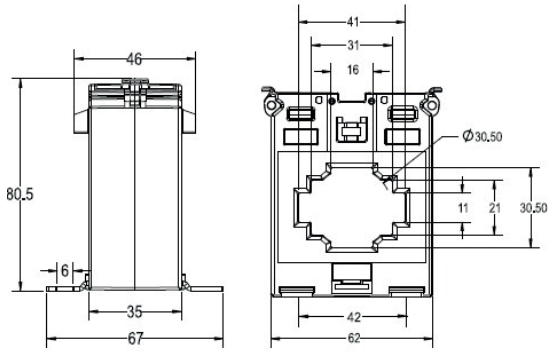
RCT-SP 140/100



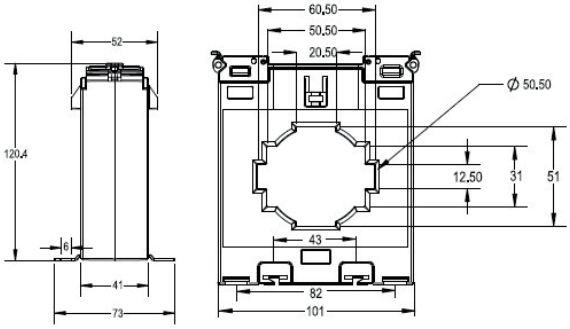
RCT-SP 62/30



RCT-SP 62/40



RCT-SP 100/60



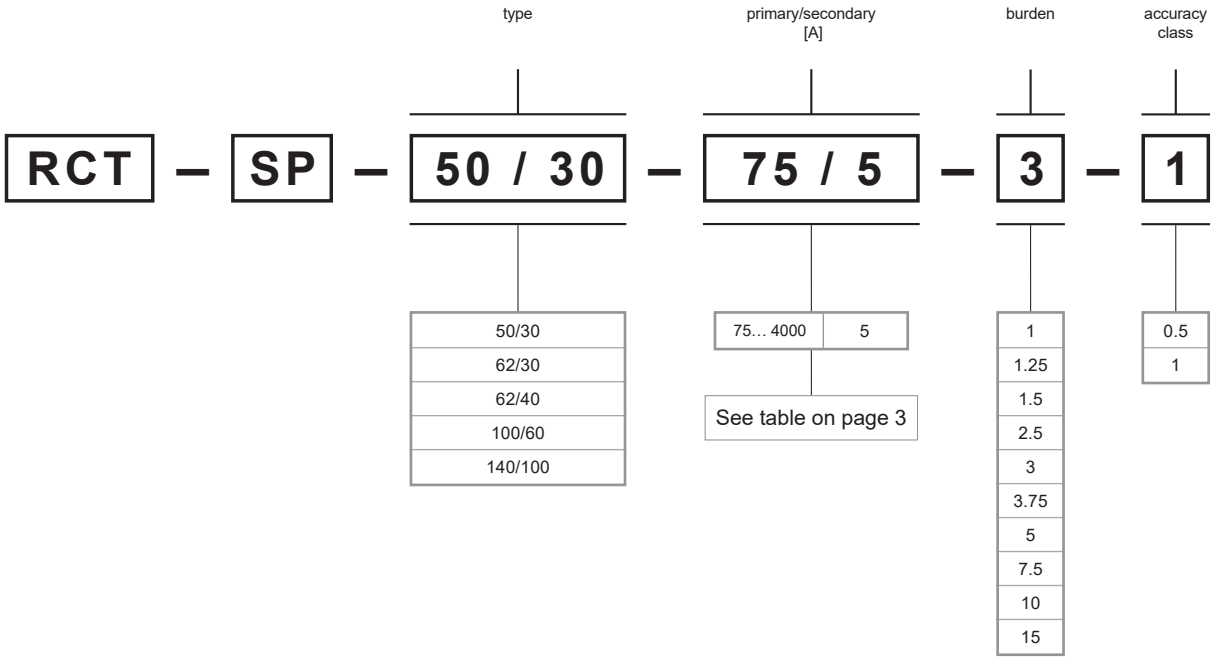
11.09.2026

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Table of Technical Specifications and Versions

RELPOL code	Index	Electrical parameters					
		Accuracy Class	Primary current (A)	Secondary current (A)	Rated burden (VA)	Weight (kg)	Busbar Dimension (mm)
RCT-SP-50/30-75/5-1-1	2617760	1	75	5	1	0,200	15,6/25,4 20,5/20,5 25,4/15,6 30,2/10,7
RCT-SP-50/30-80/5-1-1	2617762	1	80	5	1	0,200	
RCT-SP-50/30-100/5-1-1	2617763	1	100	5	1	0,200	
RCT-SP-50/30-125/5-1.25-1	2617764	1	125	5	1,25	0,200	
RCT-SP-50/30-160/5-1.5-1	2617765	1	160	5	1,5	0,200	
RCT-SP-50/30-200/5-3-1	2617768	1	200	5	3	0,200	
RCT-SP-50/30-250/5-3-1	2617769	1	250	5	3	0,200	
RCT-SP-50/30-300/5-5-1	2617771	1	300	5	5	0,200	
RCT-SP-50/30-400/5-5-1	2617772	1	400	5	5	0,200	
RCT-SP-62/30-100/5-1-1	2617773	1	100	5	1	0,400	11,5/31 21/26 26/21 31/11,5
RCT-SP-62/30-100/5-3-1	2617774	1	100	5	3	0,400	
RCT-SP-62/40-100/5-1-1	2617775	1	100	5	1	0,300	11/41 21/31 30,5/16
RCT-SP-62/40-125/5-1-1	2617776	1	125	5	1	0,300	
RCT-SP-62/40-150/5-1.5-1	2617777	1	150	5	1,5	0,300	
RCT-SP-62/40-150/5-3-1	2617778	1	150	5	3	0,300	
RCT-SP-62/40-160/5-1.5-1	2617779	1	160	5	1,5	0,300	
RCT-SP-62/40-160/5-3-1	2617780	1	160	5	3	0,300	
RCT-SP-62/40-200/5-2.5-0.5	2617781	0,5	200	5	2,5	0,300	
RCT-SP-62/40-200/5-3-1	2617782	1	200	5	3	0,300	
RCT-SP-62/40-250/5-2.5-0.5	2617783	0,5	250	5	2,5	0,300	
RCT-SP-62/40-250/5-3-1	2617784	1	250	5	3	0,300	
RCT-SP-62/40-300/5-3-0.5	2617785	0,5	300	5	3	0,300	
RCT-SP-62/40-400/5-3.75-0.5	2617786	0,5	400	5	3,75	0,300	
RCT-SP-62/40-400/5-5-1	2617787	1	400	5	5	0,300	
RCT-SP-62/40-500/5-5-1	2617788	1	500	5	5	0,300	
RCT-SP-62/40-600/5-5-1	2617789	1	600	5	5	0,300	
RCT-SP-62/40-750/5-5-1	2617790	1	750	5	5	0,300	
RCT-SP-100/60-500/5-5-1	2617791	1	500	5	5	0,500	51/60,5 31/50,5 12,5/20,5
RCT-SP-100/60-600/5-5-0.5	2617792	0,5	600	5	5	0,500	
RCT-SP-100/60-600/5-7.5-1	2617793	1	600	5	7,5	0,500	
RCT-SP-100/60-800/5-10-0.5	2617794	0,5	800	5	10	0,500	
RCT-SP-100/60-1000/5-15-0.5	2617795	0,5	1000	5	15	0,500	
RCT-SP-100/60-1200/5-15-0.5	2617796	0,5	1200	5	15	0,500	
RCT-SP-140/100-800/5-15-0.5	2617797	0,5	800	5	15	0,800	81/35 71/57 61/65 51/73 41/81 31/103
RCT-SP-140/100-1000/5-15-0.5	2617798	0,5	1000	5	15	0,800	
RCT-SP-140/100-1200/5-15-0.5	2617799	0,5	1200	5	15	0,800	
RCT-SP-140/100-1250/5-15-0.5	2617800	0,5	1250	5	15	0,800	
RCT-SP-140/100-1500/5-15-0.5	2617801	0,5	1500	5	15	0,800	
RCT-SP-140/100-1600/5-15-0.5	2617802	0,5	1600	5	15	0,800	
RCT-SP-140/100-2000/5-15-0.5	2617803	0,5	2000	5	15	0,800	
RCT-SP-140/100-2500/5-15-0.5	2617804	0,5	2500	5	15	0,900	
RCT-SP-140/100-3000/5-15-0.5	2617805	0,5	3000	5	15	1,050	
RCT-SP-140/100-3500/5-15-0.5	2617806	0,5	3500	5	15	1,050	
RCT-SP-140/100-4000/5-15-0.5	2617807	0,5	4000	5	15	1,050	

Ordering codes



Accessory

Clamp for dinrail mount

RCT-SP-A-DIN
RCT-SP-1-DIN-50/30 – for 50/30 dimensions

PRECAUTIONS:
1. Ensure that the parameters of the product described in its specification provide a safety margin for the appropriate operation of the device or system and never use the product in circumstances which exceed the parameters of the product. **2.** Never touch any live parts of the device. **3.** Ensure that the product has been connected correctly. An incorrect connection may cause malfunction, excessive heating or risk of fire. **4.** In case of any risk of any serious material loss or death or injuries of humans or animals, the devices or systems shall be designed so to equip them with double safety system to guarantee their reliable operation.