

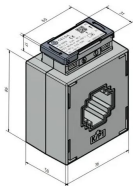


Article features

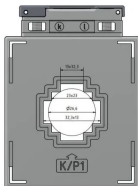
- This clip-on current transformer is mostly used for new installations, as the circuit must be interrupted here.
- Short-circuiting of the current transformer when the secondary terminal cover is open.
- More economical cable routing and lower power loss due to elimination of the transformer disconnect terminal.
- Easy handling facilitated by a rotatable and sealable secondary terminal cover.
- Suitable for both floor and side mounting.
- Most cost-effective and most common variant
- Simply plug the transformer onto the primary conductor (no need for complex wiring)
- Currently the most compact design on the market, thus wonderfully suitable for the control cabinet
- Other areas of application are machine and plant construction.

Technical data	
Round conductor	Ø 27 mm
Primary rail	30 x 10 mm
Dimensions (W x H x D)	76 x 103 x 50 mm
Design	Plug-on current transformer
Secondary connection	Screw terminal
Touch protection	yes
Rated current	50, 60, 75, 80, 100, 125, 150, 200, 250, 300, 400 A
Instrument security factor	FS 5

Drawings and views



Masszeichnung-1



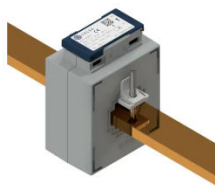
Masszeichnung-2



Drehdeckel



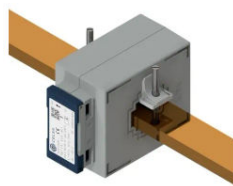
Mit Steckfuessen



Mit Schiene



Mit Steckfuesse seitlich



Mit Schiene seitlich

Types												
Output	Cl.	Rated current A										
		50	60	75	80	100	125	150	200	250	300	400
1 A	0.5	1 VA 70142-0987-0100	1 VA 70142-0989-0100	1 VA 70142-0991-0100	1 VA 70142-0993-0100	1 VA 70142-0995-0100	1 VA 70142-0997-0100	1.5 VA 70142-0999-0150	2.5 VA 70142-1001-0250	2.5 VA 70142-1003-0250	–	–
		1.5 VA 70142-0987-0150	1.5 VA 70142-0989-0150	1.5 VA 70142-0991-0150	1.5 VA 70142-0993-0150	1.5 VA 70142-0995-0150	1.5 VA 70142-0997-0150	2.5 VA 70142-0999-0250	5 VA 70142-1001-0500	5 VA 70142-1003-0500		
		2 VA 70142-0987-0200	2 VA 70142-0989-0200	2 VA 70142-0991-0200	2 VA 70142-0993-0200	2.5 VA 70142-0995-0250	2.5 VA 70142-0997-0250	5 VA 70142-0999-0500	10 VA 70142-1001-1000	10 VA 70142-1003-1000		
		2.5 VA 70142-0987-0250	2.5 VA 70142-0989-0250	2.5 VA 70142-0991-0250	2.5 VA 70142-0993-0250	5 VA 70142-0995-0500	5 VA 70142-0997-0500	10 VA 70142-0999-1000	15 VA 70142-1001-1500	15 VA 70142-1003-1500		
5 A	0.5	1 VA 70142-0988-0100	1 VA 70142-0990-0100	1 VA 70142-0992-0100	1 VA 70142-0994-0100	1 VA 70142-0996-0100	1 VA 70142-0998-0100	1.5 VA 70142-1000-0150	2.5 VA 70142-1002-0250	2.5 VA 70142-1004-0250	2.5 VA 70142-1005-0250	2.5 VA 70142-1006-0250
			1.5 VA 70142-0990-0150	1.5 VA 70142-0992-0150	1.5 VA 70142-0994-0150	1.5 VA 70142-0996-0150	1.5 VA 70142-0998-0150	2.5 VA 70142-1000-0250	5 VA 70142-1002-0500	5 VA 70142-1004-0500	5 VA 70142-1005-0500	5 VA 70142-1006-0500
			2 VA 70142-0990-0200	2 VA 70142-0992-0200	2 VA 70142-0994-0200	2.5 VA 70142-0996-0250	2.5 VA 70142-0998-0250	5 VA 70142-1000-0500	10 VA 70142-1002-1000	10 VA 70142-1004-1000	10 VA 70142-1005-1000	10 VA 70142-1006-1000
			2.5 VA 70142-0990-0250	2.5 VA 70142-0992-0250	2.5 VA 70142-0994-0250	5 VA 70142-0996-0500	5 VA 70142-0998-0500	10 VA 70142-1000-1000	15 VA 70142-1002-1500	15 VA 70142-1004-1500	15 VA 70142-1005-1500	15 VA 70142-1006-1500
333 mV	0.5	70142-0987-0333	70142-0989-0333	70142-0991-0333	70142-0993-0333	70142-0995-0333	70142-0997-0333	70142-0999-0333	70142-1001-0333	70142-1003-0333	–	–

Conditions of use	
Secondary current	5A / 1A / 333mV
Nominal frequency	50 - 60 Hz
max. permissible operating voltage	720 V
Test voltage	3 kV / 1 min
Thermal rated continuous current	Icth = 1,2 x Ipr
Thermal rated short-time withstand current	Ith = 60 x Ipr
Rated impulse current	Idyn = 2,5 x Ith
Overcurrent rating (FS)	n < 5
Insulation class	E / F / H
Normative standards	IEC 61869 Teil 1 + 2 / DIN EN 42600
Housing	Gehäuse aus selbstverlöschendem PA66 V0 nach UL 94

Environmental conditions	
Installation location	Indoor use
Ambient temperature (operation)	-40°C ... +60°C
Ambient temperature (storage / transport)	-40°C ... +60°C
Altitude	up to 1000 m

Scope of delivery
• Primary conductor clip

Accessories
• DIN rail adapter

• Grub screw M5 × 30 mm for primary busbar fastening
• Plug-in foot ALO/WALO

- Special designs on request:
- any primary and secondary rated currents
 - operating voltage series 1 (1,2kV)
 - Cast resin grouting