IAP

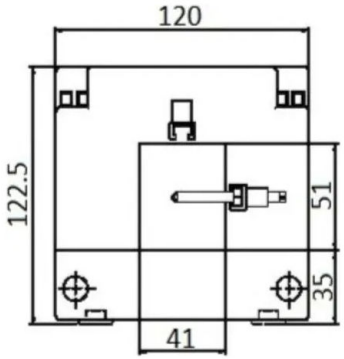


Article features

- Transformer core can be easily divided
- excellent for retrofitting, as the primary circuit does not have to be interrupted
- simple and secure attachment to busbar - audible latching of current transformer
- well fixable by some clamping screws

Technical data	
Round conductor	Ø 40 mm
Primary rail	30 x 15 mm, 50 x 12 mm, 2 x 50 x 10 mm, 3 x 40 x 10 mm
Dimensions (W × H × D)	120 × 123 × 43 mm
Design	Split-core busbar current transformer
Secondary connection	Screw terminal
Touch protection	yes
Packaging (W × H × D)	125 × 128 × 48 mm
Rated current	500, 600, 750, 800, 1000, 100, 125, 150, 200, 250, 300, 400, 60, 75 A
Instrument security factor	FS 5

Drawings and views



Dimensional drawing 1

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Types														
Output	Cl.	Rated current A												
		60	75	100	125	150	200	250	300	400	500	600	750	800	1000
1 A	0.5	–	–	–	–	–	–	–	–	–	5 VA 70097-3139	10 VA 70097-3276	10 VA 70097-3277	10 VA 70097-1900	10 VA 70097-3279
	1	–	–	1.25 VA 70097-1885	1.25 VA 70097-1888	2.5 VA 70097-3274	3.75 VA 70097-1890	3.75 VA 70097-3275	5 VA 70097-1893	7.5 VA 70097-3245	10 VA 70030-3083	15 VA 70030-3084	20 VA 70030-3085	30 VA 70030-3086	45 VA 70030-3087
	3	1.25 VA 70097-3064	1.25 VA 70097-3273	2.5 VA 70030-3088	3.75 VA 70030-3089	3.75 VA 70030-3090	3.75 VA 70030-3091	7.5 VA 70030-3092	10 VA 70030-3093	–	–	–	–	–	–
5 A	0.5	–	–	–	–	–	–	–	–	–	5 VA 70097-1896	10 VA 70097-1898	10 VA 70097-1899	10 VA 70097-1901	10 VA 70097-1887
	1	–	–	1.25 VA 70097-1886	1.25 VA 70097-3444	2.5 VA 70097-1889	3.75 VA 70097-1891	3.75 VA 70097-1892	5 VA 70097-1894	7.5 VA 70097-1895	10 VA 70030-3100	15 VA 70030-3101	20 VA 70030-3102	30 VA 70030-3103	45 VA 70030-3104
	3	1.25 VA 70097-1897	1.25 VA 70097-3272	2.5 VA 70030-3105	3.75 VA 70030-3106	3.75 VA 70030-3107	3.75 VA 70030-3108	7.5 VA 70030-3109	10 VA 70030-3110	–	–	–	–	–	–

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