IAM

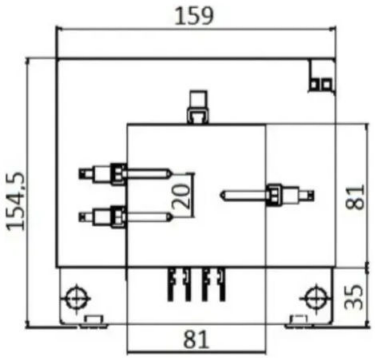


Article features

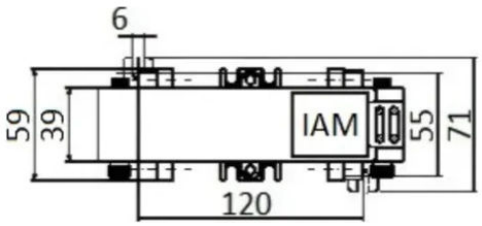
- Transformer core can be easily divided
- excellent for retrofitting, as the primary circuit does not have to be interrupted
- simple and secure attachment to busbar - audible latching of current transformer
- well fixable by some clamping screws

Technical data	
Round conductor	Ø 80 mm
Primary rail	30 x 15 mm, 80 x 12 mm, 4 x 80 x 10 mm
Dimensions (W × H × D)	159 × 155 × 39 mm
Design	Split-core busbar current transformer
Secondary connection	Screw terminal
Touch protection	yes
Packaging (W × H × D)	164 × 160 × 44 mm
Rated current	500, 600, 750, 800, 1000, 1200, 1500, 200, 250, 300, 100, 150, 400, 125 A
Instrument security factor	FS 5

Drawings and views



Dimensional drawing 1



Dimensional drawing 2

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Types

Output	Cl.	Rated current A													
		100	125	150	200	250	300	400	500	600	750	800	1000	1200	1500
1 A	0.5	–	–	–	–	–	–	–	1.25 VA 70097-3287	2.5 VA 70097-3288	7.5 VA 70097-3289	10 VA 70097-3290	10 VA 70097-1872	10 VA 70097-3291	10 VA 70097-3292
	1	–	–	–	1.25 VA 70097-3283	2.5 VA 70097-3284	3.75 VA 70097-3285	5 VA 70097-3286	5 VA 70030-3948	7.5 VA 70030-3949	15 VA 70030-3950	20 VA 70030-3951	20 VA 70030-3952	30 VA 70030-3953	45 VA 70030-3954
	3	1.25 VA 70097-3280	2.5 VA 70097-3281	3.75 VA 70097-3282	3.75 VA 70030-3955	3.75 VA 70030-3956	5 VA 70030-3957	–	–	–	–	–	–	–	–
5 A	0.5	–	–	–	–	–	–	–	1.25 VA 70097-1881	2.5 VA 70097-1882	7.5 VA 70097-1883	10 VA 70097-1884	10 VA 70097-1873	10 VA 70097-1874	10 VA 70097-1876
	1	–	–	–	1.25 VA 70097-1877	2.5 VA 70097-1878	3.75 VA 70097-1879	5 VA 70097-1880	5 VA 70030-3966	7.5 VA 70030-3967	15 VA 70030-3968	20 VA 70030-3969	20 VA 70030-3970	30 VA 70030-3971	45 VA 70030-3972
	3	1.25 VA 70097-1871	2.5 VA 70097-3691	3.75 VA 70097-1875	3.75 VA 70030-3973	3.75 VA 70030-3974	5 VA 70030-3975	–	–	–	–	–	–	–	–

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