IER-3

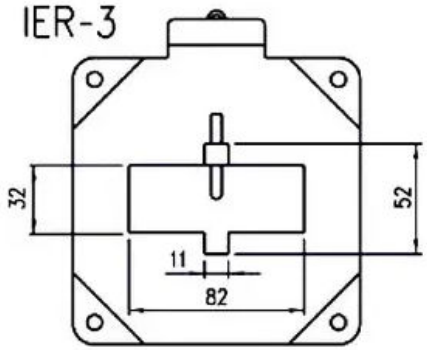


Article features

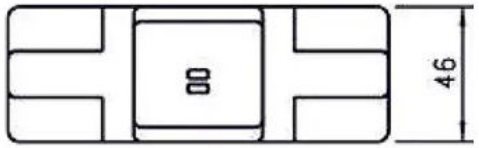
- This protective current transformer is used for system protection in conjunction with the appropriate switching devices
- Available in numerous protection classes
- Sealable secondary terminal covers made of clear polycarbonate
- Double secondary terminals on all versions for short-circuiting the secondary windings before opening the secondary circuit

Technical data	
Round conductor	Ø 30 mm
Primary rail	30 x 15 mm, 80 x 12 mm, 2 x 80 x 10 mm, 4 x 30 x 10 mm
Dimensions (W × H × D)	133 × 155 × 46 mm
Design	Protection current transformer
Secondary connection	Screw terminal
Touch protection	yes
Packaging (W × H × D)	145 × 165 × 50 mm
Rated current	300, 400, 500, 600, 750, 800, 1000, 1200, 1500, 1600, 2000, 250 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											
		250	300	400	500	600	750	800	1000	1200	1500	1600	2000
1 A	5P5	2.5 VA 70030-3883	3.75 VA 70030-3884	5 VA 70030-3885	7.5 VA 70030-3886	5 VA 70030-3887	7.5 VA 70030-3888	7.5 VA 70030-3889	10 VA 70030-3890	10 VA 70030-3891	15 VA 70030-3892	15 VA 70030-3893	20 VA 70030-3894
	5P10	–	1.25 VA 70030-3861	1.25 VA 70030-3862	2.5 VA 70030-3863	1.25 VA 70030-3864	2.5 VA 70030-3865	1.25 VA 70030-3866	2.5 VA 70030-3867	2.5 VA 70030-3868	5 VA 70030-3869	5 VA 70030-3870	5 VA 70030-3871
	10P5	2.5 VA 70030-3895	3.75 VA 70030-3896	5 VA 70030-3897	7.5 VA 70030-3898	5 VA 70030-3899	7.5 VA 70030-3900	7.5 VA 70030-3901	10 VA 70030-3902	10 VA 70030-3903	15 VA 70030-3904	15 VA 70030-3905	20 VA 70030-3906
	10P10	1.25 VA 70030-3872	1.25 VA 70030-3873	1.25 VA 70030-3874	2.5 VA 70030-3875	1.25 VA 70030-3876	2.5 VA 70030-3877	1.25 VA 70030-3878	2.5 VA 70030-3879	2.5 VA 70097-4240 3.75 VA 70030-3880	5 VA 70030-3881	5 VA 70097-8032	5 VA 70030-3882
5 A	5P5	2.5 VA 70030-3924	3.75 VA 70030-3925	5 VA 70030-3926	7.5 VA 70030-3927	5 VA 70030-3928	7.5 VA 70030-3929	7.5 VA 70030-3930	10 VA 70030-3931	10 VA 70030-3932	15 VA 70030-3933	15 VA 70030-3934	20 VA 70030-3935
	5P10	–	1.25 VA 70030-3907	1.25 VA 70030-3908	2.5 VA 70030-3909	1.25 VA 70030-3910	2.5 VA 70030-3911	1.25 VA 70097-3834	2.5 VA 70097-3835	2.5 VA 70097-3971	5 VA 70030-3912	5 VA 70097-3904	5 VA 70097-4077
	10P5	2.5 VA 70030-3936	3.75 VA 70030-3937	5 VA 70030-3938	7.5 VA 70030-3939	5 VA 70030-3940	7.5 VA 70030-3941	7.5 VA 70030-3942	10 VA 70030-3943	10 VA 70030-3944	15 VA 70030-3945	15 VA 70030-3946	20 VA 70030-3947
	10P10	1.25 VA 70030-3913	1.25 VA 70030-3914	1.25 VA 70030-3915	2.5 VA 70030-3916	1.25 VA 70030-3917	2.5 VA 70030-3918	1.25 VA 70030-3919	2.5 VA 70030-3920	3.75 VA 70030-3921	5 VA 70030-3922	5 VA 70030-3923	5 VA 70097-4076

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

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