855 Series

Split-Core Current Transformers







Short description:

WAGO's compact split-core current transformers are ideal for retrofit applications in existing systems. They are particularly suited for applications in which the current path may not be disrupted. The transformer's accuracy permits extremely precise current measurements. The split-core current transformers are capable of supplying the specified rated power at the end of the secondary cable. All transformers are supplied with color-coded cables. Two UV-resistant cable ties for reliable and easy mounting are also included.

Features:

- Current ratios from
- 60 A up to 1000 A (primary side) and 1 A or 5 A (secondary side)
- No interruption of the measuring cable Ideal for use in very confined spaces •
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- Superfast mounting
- For use around insulated cables up to Ø 42 mm ٠
- Compact and hinged
- Color-coded connecting cables up to 5 m

Technical Data	
Input:	
Rated continuous thermal current I _{cth}	100 %
Rated short-time thermal current I _{th}	60 x I _{pr} / 1 s
Rated surge current I _{dyn}	2.5 x İ _{th}
Rated frequency f _R	50 Hz 60 Hz
Max. operating voltage V _m	0.72/3/- kV
Connection:	
Conductor size	0.5 mm ² , fine-stranded (855-xxx1/)
	1.5 mm ² , fine-stranded (855-xxx5/)
Conductor identification	brown = \$1, blue = \$2 (855-xxx1/)
	black = S1, red = S2 (855-xxx5/)

Technical Data

Environmental Requirements:	
Ambient operating temperature	-10 °C +55 °C
	-10 °C +40 °C (855-5xxx/1000-000
Storage temperature	-20 °C +70 °C
Relative humidity	5 % 85 % (non-condensing)
Max. operating altitude	2000 m
Safety and protection:	
Degree of protection	IP20
Insulation class	E (120 °C)
Housing material	PA 6.6
Flammability rating	V2 (UL94)
Standards and approvals:	
Conformity marking	CE
Standards/Specifications	EN 61869-2; EN 61010-2-032

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Power Cable Feed- Through	Primary Rated Current	Secondary Rated Current	Rated Power	Accuracy Class	Cable Length	Item No.	Pack. Unit
Ø 18 mm	60 A	1 A	0.2VA	3	3 m	855-3001/060-003	1
	100 A	1 A	0.2VA	3	3 m	855-3001/100-003	1
	200 A	1 A	0.2VA	1	3 m	855-3001/200-001	1
	250 A	1 A	0.2VA	1	3 m	855-3001/250-001	1





Power Cable Feed- Through	Primary Rated Current	Secondary Rated Current	Rated Power	Accuracy Class	Cable Length	Item No.	Pack. Unit
Ø 18 mm	100 A	1 A	0.2VA	1	3 m	855-4001/100-001	1
	150 A	1 A	0.2VA	1	3 m	855-4001/150-001	1
	150 A	5 A	1VA	1	0.5 m	855-4005/150-101	1
	200 A	1 A	0.2VA	0.5	3 m	855-4001/200-001	1







Power Cable Feed- Through	Primary Rated Current	Secondary Rated Current	Rated Power	Accuracy Class	Cable Length	Item No.	Pack. Unit
Ø 28 mm	200 A	1 A	0.2VA	1	3 m	855-4101/200-001	1
	250 A	1 A	0.2VA	1	3 m	855-4101/250-001	1
	250 A	5 A	1VA	1	0.5 m	855-4105/250-101	1
	400 A	1 A	0.2VA	1	3 m	855-4101/400-001	1
	400 A	5 A	1VA	1	0.5 m	855-4105/400-101	1







Power Cable Feed- Through	Primary Rated Current	Secondary Rated Current	Rated Power	Accuracy Class	Cable Length	Item No.	Pack. Unit		
Ø 42 mm	250 A	1 A	0.5VA	1	5 m	855-5001/250-001	1		
	400 A	1 A	0.5VA	0.5	5 m	855-5001/400-000	1		
	400 A	5 A	0.5VA	1	3 m	855-5005/400-001	1		
	600 A	1 A	0.5VA	0.5	5 m	855-5001/600-000	1		
	600 A	5 A	0.5VA	0.5	3 m	855-5005/600-000	1		
	1000 A	1 A	0.5VA	0.5	5 m	855-5001/1000-000	1		
	1000 A	5 A	0.5VA	0.5	3 m	855-5005/1000-000	1		



Power Cable Feed- Through	Primary Rated Current	Secondary Rated Current	Rated Power	Accuracy Class	Cable Length	Item No.	Pack. Unit
ØØ42 mm x 48	1000 A	1 A	0.5VA	0.5	5 m	855-5101/1000-000	1
	1000 A	5 A	0.5VA	0.5	3 m	855-5105/1000-000	1