Differential current monitoring - RCM-A-SCT- 35 - 2806061

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Differential current converter for type A differential current monitor.

Your advantages

- Residual current detection characteristics type A (50/60 Hz)
- Detects pulsating DC and AC residual currents
- Adjustable residual response current of 30 mA to 3 A
- Adjustable pre-alarm threshold and delay time
- Actual residual current can be read via LED display
- Remote signaling for main and pre-alarm
- Residual current monitoring devices act as a form of fire prevention

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 504881
GTIN	4046356504881

Technical data

Dimensions

Height	100 mm
Width	33 mm
Depth	79 mm
Diameter converter	35.00 mm
Outside diameter of cables max.	23.00 mm

Ambient conditions

Degree of protection	IP20 (terminal blocks)
	IP45 (housing)
Ambient temperature (operation)	-20 °C ... 65 °C

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Technical data

Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 85 °C

General

Housing material	Polycarbonate
Mounting type	Screw mounting

Common characteristics

Rated current I_n	125 A
Rated response differential current I_{dyn}	3 A
Differential current acquisition characteristic	Type A (50 / 60 Hz)
Response differential current $I_{\Delta n}$	0.03 A ... 3 A
Thermal permanent differential current I_{cth}	1.5 x I_n
Thermal rated short-time differential current I_{th}	10 x I_n (for 1 s)
Rated surge voltage resistance U_{imp}	8 kV
Overvoltage category_GRP	IV
Rated voltage U_n	690 V
Degree of pollution	2
Max. overcurrent as regards the non-resolution	6 x I_n
Rated differential short-circuit current $I_{\Delta c}$	10 kA
Rated surge differential current I_{dyn}	25 x I_n

Connections

Connection method	Screw terminal blocks
Number of connections	2
Stripping length	8 mm
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Cable/line name	Converter supply line
Maximum cable length	10 m
Cross section	0.5 mm²
Cable type	LiY

Standards and Regulations

Standards/specifications	DIN EN 62020
	VDE 0663
	DIN EN 60044-1
	VDE 0414

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Drawings

Circuit diagram

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