

Differential current monitoring - RCM-A-SCT- 20 - 2806045

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Differential current converter for type A differential current monitor.

Product Features

- ✓ 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



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	100.0 GRM
Custom tariff number	85043180
Country of origin	Germany

Technical data

Dimensions

Height	46 mm
Width	32 mm
Depth	60 mm
Diameter converter	20.00 mm
Outside diameter of cables max.	13.00 mm

Ambient conditions

Degree of protection	IP20 (terminal blocks)
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Technical data

Ambient conditions

	IP45 (housing)
Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

General

Housing material	Polycarbonate
Mounting type	DIN rail: 35 mm

Common characteristics

Rated current I_n	50 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
Surge voltage category	IV
Rated voltage U_n	690 V
Pollution degree	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 stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Cable/line name	Converter supply line
Maximum cable length	10 m
Cross section	0.5 mm ²
Cable type	LiY

Standards and Regulations

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Technical data

Standards and Regulations

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

Classifications

eCl@ss

eCl@ss 4.0	27210902
eCl@ss 4.1	27210902
eCl@ss 5.0	27210902
eCl@ss 5.1	27210902
eCl@ss 6.0	27210902
eCl@ss 7.0	27210902
eCl@ss 8.0	27210902

ETIM

ETIM 2.0	EC001505
ETIM 3.0	EC001505
ETIM 4.0	EC002048
ETIM 5.0	EC002048

UNSPSC

UNSPSC 6.01	30211501
UNSPSC 7.0901	39121019
UNSPSC 11	39121006
UNSPSC 12.01	39121006
UNSPSC 13.2	39121006

Approvals

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VDE Zeichengenehmigung


Ex Approvals

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Approvals

Approvals submitted

Approval details

VDE Zeichengenehmigung 

Drawings

Circuit diagram

