Differential current monitoring - RCM-A-SCT-105 - 2806087

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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
Custom tariff number	85043180
Country of origin	Germany

Technical data

Dimensions

Height	170 mm
Width	33 mm
Depth	146 mm
Diameter converter	105.00 mm
Outside diameter of cables max.	70.00 mm

Ambient conditions

Degree of protection	IP20 (terminal blocks)
	IP45 (housing)

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Technical data

Ambient conditions

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

General

Housing material	Polycarbonate
Mounting type	Screw mounting

Common characteristics

Rated current I_n	250 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 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	4 mm²
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 mm²
Cable type	LiY

Standards and Regulations

Standards/specifications	DIN EN 62020

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Technical data

Standards and Regulations

	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

单击下面可查看定价，库存，交付和生命周期等信息

>>Phoenix Contact(菲尼克斯)