Differential current monitoring - RCM-B-SCT- 70 - 2806236

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Residual current converter for type B+ residual current monitor.

Product Features

- Residual current detection characteristics type B+ (DC up to 100 kHz)
- Detects smooth and 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)	1080.0 GRM
Custom tariff number	85043180
Country of origin	Germany

Technical data

Dimensions

Height	115 mm
Width	65.5 mm
Depth	177 mm
Diameter converter	70.00 mm
Outside diameter of cables max.	46.00 mm

Ambient conditions

Degree of protection	IP20

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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	200 A
Rated response differential current I_{dyn}	3 A
Differential current acquisition characteristic	Type B+ (DC up to 100 kHz)
Response differential current $I_{\Delta n}$	0.03 A ... 3 A
Thermal permanent differential current I_{cth}	150 A (50 Hz / 20 kHz)
Thermal rated short-time differential current I_{th}	3 kA for 1 s (50 Hz/20 kHz)
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}	10 kA

Connections

Connection method	RJ45
Cable/line name	Converter supply line
Maximum cable length	10 m
Cable type	RJ45/1:1 patch cable
Individual wires per module	8

Standards and Regulations

Standards/specifications	DIN EN 62020
	VDE 0663
	DIN EN 60044-1
	VDE 0414
	DIN VDE 0664-400 2012

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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

Approvals submitted

Approval details

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Approvals

VDE Zeichengenehmigung

Drawings

Circuit diagram