

## Differential current monitoring - RCM-B-SCT- 35 - 2806223

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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)	780.0 GRM
Custom tariff number	85043180
Country of origin	Germany

### Technical data

#### Dimensions

Height	92 mm
Width	65.5 mm
Depth	144 mm
Diameter converter	35.00 mm
Outside diameter of cables max.	23.00 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 $I_n$	125 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	$6 \times I_n$
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

#### Approvals

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##### Approvals

VDE Zeichengenehmigung

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##### Ex Approvals

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Approvals submitted

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#### Approval details

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## Approvals



## Drawings

Circuit diagram

