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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Differential current monitoring - RCM-B-SCT-105 - 2806249

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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)	1940.0 GRM
Custom tariff number	85043180
Country of origin	Germany

### Technical data

#### Dimensions

Height	158 mm
Width	65.5 mm
Depth	220 mm
Diameter converter	105.00 mm
Outside diameter of cables max.	70.00 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 $I_n$	300 A
Rated response differential current $I_{dyn}$	3 A
Differential current acquisition characteristic	Type B+ (DC up to 100 kHz)
Response differential current $I_{\Delta n}$	0.1 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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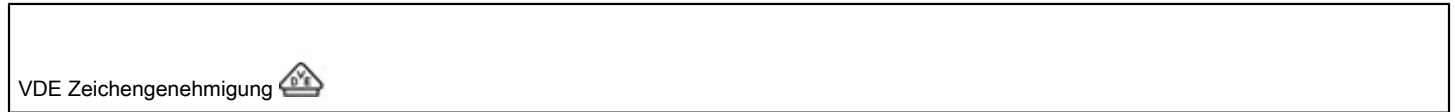
Approvals submitted

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Approval details

## Differential current monitoring - RCM-B-SCT-105 - 2806249

### Approvals



### Drawings

Circuit diagram

