

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



2806249  
<https://www.phoenixcontact.com/us/products/2806249>

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Residual current converter for type B+ residual current monitor.

## Commercial data

Item number	2806249
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	CL05
Product key	CLB214
Catalog page	Page 288 (C-7-2015)
GTIN	4046356504959
Weight per piece (including packing)	1,989.8 g
Weight per piece (excluding packing)	1,989.8 g
Customs tariff number	85043180
Country of origin	DE

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## Technical data

### Product properties

Product type	Current transformer
Insulation characteristics	
Overvoltage category	IV
Pollution degree	2

### Electrical properties

#### Typical characteristics

Rated response differential current $I_{dyn}$	3 A
Response differential current $I_{\Delta n}$	0.1 A ... 3 A
Rated voltage $U_n$	690 V
Differential current acquisition characteristic	Type B+ (DC up to 100 kHz)
Rated surge voltage resistance $U_{imp}$	8 kV
Rated current $I_n$	300 A
Max. overcurrent as regards the non-resolution	6 x $I_n$
Rated differential short-circuit current $I_{\Delta c}$	10 kA
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 differential current $I_{dyn}$	10 kA

### Connection data

Connection method	RJ45
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### Dimensions

Width	65.5 mm
Height	158 mm
Depth	220 mm

### Material specifications

Housing material	Polycarbonate
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### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

### Standards and regulations

Standards/specifications	DIN EN 62020
Standards/specifications	VDE 0663

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

## Mounting

Mounting type	Screw mounting
Mounting position	any

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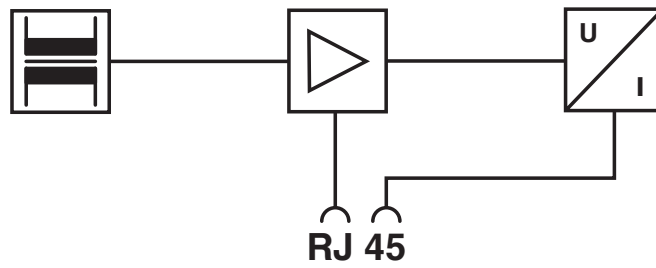
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## Drawings

Circuit diagram



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## Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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