

RCM-B-SCT- 35 - Differential current monitoring



2806223

<https://www.phoenixcontact.com/us/products/2806223>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

Residual current converter for type B+ residual current monitor.



Commercial data

Item number	2806223
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	CL05
Product key	CLB214
GTIN	4046356504935
Weight per piece (including packing)	791 g
Weight per piece (excluding packing)	715 g
Customs tariff number	85043180
Country of origin	DE

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 $I_{\Delta n}$	0.03 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	125 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
-------------------	------

Dimensions

Width	65.5 mm
Height	92 mm
Depth	144 mm

Material specifications

Housing material	PC
------------------	----

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

RCM-B-SCT- 35 - Differential current monitoring



2806223

<https://www.phoenixcontact.com/us/products/2806223>

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

RCM-B-SCT- 35 - Differential current monitoring

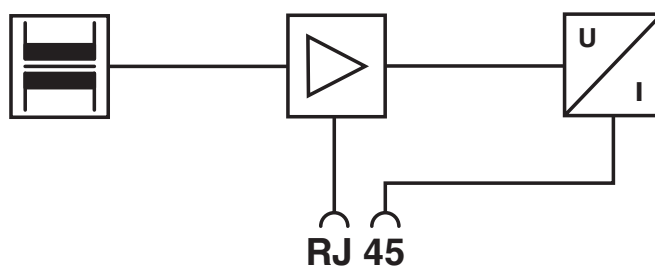
2806223

<https://www.phoenixcontact.com/us/products/2806223>



Drawings

Circuit diagram



RCM-B-SCT- 35 - Differential current monitoring



2806223

<https://www.phoenixcontact.com/us/products/2806223>

Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
-------------------------------------	--

	No substance above 0.1 wt%
--	----------------------------

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com