

RCM-A-SCT- 20 - Differential current monitoring



2806045

<https://www.phoenixcontact.com/us/products/2806045>

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.

Differential current converter for type A differential current monitor.



Commercial data

Item number	2806045
Packing unit	1 pc
Sales key	CL05
Product key	CLB213
GTIN	4046356504904
Weight per piece (including packing)	100.6 g
Weight per piece (excluding packing)	100.6 g
Customs tariff number	85043180
Country of origin	DE

RCM-A-SCT- 20 - Differential current monitoring



2806045

<https://www.phoenixcontact.com/us/products/2806045>

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 A (50 / 60 Hz)
Rated surge voltage resistance U_{imp}	8 kV
Rated current I_n	50 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}	1.5 x I_n
Thermal rated short-time differential current I_{th}	10 x I_n (for 1 s)
Rated surge differential current I_{dyn}	25 x I_n

Connection data

Connection method	Screw terminal blocks
Conductor cross-section flexible min.	0.2 mm ²
Conductor cross-section flexible max.	2.5 mm ²
Conductor cross-section, rigid min.	0.2 mm ²
Conductor cross-section, rigid max.	4 mm ²

Dimensions

Width	32 mm
Height	46 mm
Depth	60 mm

Material specifications

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

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20 (terminal blocks) IP45 (housing)
Ambient temperature (operation)	-20 °C ... 65 °C

RCM-A-SCT- 20 - Differential current monitoring



2806045

<https://www.phoenixcontact.com/us/products/2806045>

Ambient temperature (storage/transport)	-40 °C ... 85 °C
---	------------------

Standards and regulations

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

Mounting

Mounting type	DIN rail: 35 mm
Mounting position	any

RCM-A-SCT- 20 - Differential current monitoring

2806045

<https://www.phoenixcontact.com/us/products/2806045>



Drawings

Circuit diagram



RCM-A-SCT- 20 - Differential current monitoring



2806045

<https://www.phoenixcontact.com/us/products/2806045>

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