

# RCM-A-SCT- 20 - Differential current monitoring



2806045

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

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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

## 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 <sup>2</sup>
Conductor cross-section flexible max.	2.5 mm <sup>2</sup>
Conductor cross-section, rigid min.	0.2 mm <sup>2</sup>
Conductor cross-section, rigid max.	4 mm <sup>2</sup>

### Dimensions

Width	32 mm
Height	46 mm
Depth	60 mm

### Material specifications

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

#### Ambient conditions

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

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

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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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