

## Differential current monitoring - RCM-A-SCT-210 - 2806100

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Differential current converter for type A differential current monitor.

### Your advantages

- ✓ Residual current detection characteristics type A (50/60 Hz)
- ✓ Detects 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

RoHS

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 504737
GTIN	4046356504737

### Technical data

#### Dimensions

Height	299 mm
Width	33 mm
Depth	284 mm
Diameter converter	210.00 mm
Outside diameter of cables max.	140.00 mm

#### Ambient conditions

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

# Differential current monitoring - RCM-A-SCT-210 - 2806100

## Technical data

### Ambient conditions

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

Housing material	Polycarbonate
Mounting type	Screw mounting

### Common characteristics

Rated current $I_n$	400 A
Rated response differential current $I_{dyn}$	3 A
Differential current acquisition characteristic	Type A (50 / 60 Hz)
Response differential current $I_{\Delta n}$	0.03 A ... 3 A
Thermal permanent differential current $I_{cth}$	$1.5 \times I_n$
Thermal rated short-time differential current $I_{th}$	$10 \times I_n$ (for 1 s)
Rated surge voltage resistance $U_{imp}$	8 kV
Overvoltage category_GRP	IV
Rated voltage $U_n$	690 V
Degree of pollution	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 $I_{dyn}$	$25 \times I_n$

### Connections

Connection method	Screw terminal blocks
Number of connections	2
Stripping length	8 mm
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 solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Cable/line name	Converter supply line
Maximum cable length	10 m
Cross section	0.5 mm <sup>2</sup>
Cable type	LiY

### Standards and Regulations

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

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