

Differential current monitoring - RCM-A-SCT- 30



2806058

<https://www.phoenixcontact.com/us/products/2806058>

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Differential current converter for type A differential current monitor.

Commercial Data

Item number	2806058
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	C10
Product Key	CLB213
Catalog Page	Page 289 (C-7-2015)
GTIN	4046356504898
Weight per Piece (including packing)	117.8 g
Weight per Piece (excluding packing)	117.8 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	100 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 solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²

Dimensions

Width	32 mm
Height	59 mm
Depth	70 mm

Material specifications

Housing material	Polycarbonate
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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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Classifications

ECLASS

ECLASS-9.0	27210902
ECLASS-10.0.1	27210902

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Mandatory Accessories

Differential current monitoring

Differential current monitoring - RCM-A/50/85-264V - 2806016

<https://www.phoenixcontact.com/us/products/2806016>



Differential current monitor in type A version for detecting pulsing AC and DC leakage currents at 50/60 Hz.

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