

RCM-A-SCT-105 - Differential current monitoring



2806087

<https://www.phoenixcontact.com/us/products/2806087>

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Differential current converter for type A differential current monitor.



Commercial data

Item number	2806087
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	CL05
Product key	CLB213
GTIN	4046356504751
Weight per piece (including packing)	587.6 g
Weight per piece (excluding packing)	587.6 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	250 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	33 mm
Height	170 mm
Depth	146 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	Screw mounting
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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