

RCM-B-SCT-105 - Differential current monitoring



2806249

<https://www.phoenixcontact.com/us/products/2806249>

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Residual current converter for type B+ residual current monitor.



Commercial data

Item number	2806249
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	CL05
Product key	CLB214
GTIN	4046356504959
Weight per piece (including packing)	1,989.8 g
Weight per piece (excluding packing)	1,989.8 g
Customs tariff number	85043180
Country of origin	DE

Technical data

Product properties

Product type	Current transformer
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Insulation characteristics

Overvoltage category	IV
Pollution degree	2

Electrical properties

Typical characteristics

Rated response differential current I_{dyn}	3 A
Response differential current $I_{\Delta n}$	0.1 A ... 3 A
Rated voltage U_n	690 V
Differential current acquisition characteristic	Type B+ (DC up to 100 kHz)
Rated surge voltage resistance U_{imp}	8 kV
Rated current I_n	300 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}	150 A (50 Hz / 20 kHz)
Thermal rated short-time differential current I_{th}	3 kA for 1 s (50 Hz/20 kHz)
Rated surge differential current I_{dyn}	10 kA

Connection data

Connection method	RJ45
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Dimensions

Width	65.5 mm
Height	158 mm
Depth	220 mm

Material specifications

Housing material	PC
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Standards and regulations

Standards/specifications	DIN EN 62020
Standards/specifications	VDE 0663

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Standards/specifications	DIN EN 60044-1
Standards/specifications	VDE 0414
Standards/specifications	DIN VDE 0664-400
Note	2012

Mounting

Mounting type	Screw mounting
Mounting position	any

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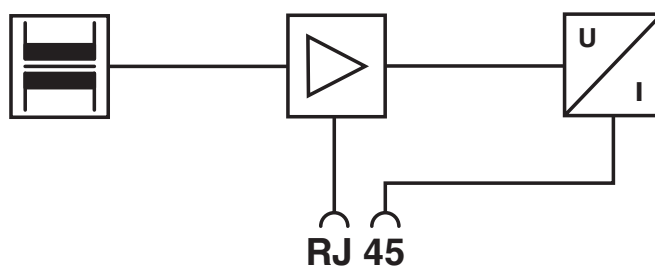
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Drawings

Circuit diagram



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Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
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	No substance above 0.1 wt%
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