Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Differential current monitoring - RCM-A-SCT- 35 - 2806061

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Differential current converter for type A differential current monitor.

Product Features

- ☑ 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

Key commercial data

Packing unit	1 pc
Custom tariff number	85043180
Country of origin	Germany

Technical data

Dimensions

Height	100 mm
Width	33 mm
Depth	79 mm
Diameter converter	35.00 mm
Outside diameter of cables max.	23.00 mm

Ambient conditions

Degree of protection	IP20 (terminal blocks)
	IP45 (housing)

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Technical data

Ambient conditions

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

General

Housing material	Polycarbonate
Mounting type	Screw mounting

Common characteristics

Rated current I_n	125 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 x I_n
Thermal rated short-time differential current I_{th}	10 x I_n (for 1 s)
Rated surge voltage resistance U_{imp}	8 kV
Surge voltage category	IV
Rated voltage U_n	690 V
Pollution degree	2
Max. overcurrent as regards the non-resolution	6 x I_n
Rated differential short-circuit current $I_{\Delta c}$	10 kA
Rated surge differential current I_{dyn}	25 x I_n

Connections

Connection method	Screw terminal blocks
Number of connections	2
Stripping length	8 mm
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Cable/line name	Converter supply line
Maximum cable length	10 m
Cross section	0.5 mm²
Cable type	LiY

Standards and Regulations

Standards/specifications	DIN EN 62020

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Technical data

Standards and Regulations

	VDE 0663
	DIN EN 60044-1
	VDE 0414

Classifications

eCl@ss

eCl@ss 4.0	27210902
eCl@ss 4.1	27210902
eCl@ss 5.0	27210902
eCl@ss 5.1	27210902
eCl@ss 6.0	27210902
eCl@ss 7.0	27210902
eCl@ss 8.0	27210902

ETIM

ETIM 2.0	EC001505
ETIM 3.0	EC001505
ETIM 4.0	EC002048
ETIM 5.0	EC002048

UNSPSC

UNSPSC 6.01	30211501
UNSPSC 7.0901	39121019
UNSPSC 11	39121006
UNSPSC 12.01	39121006
UNSPSC 13.2	39121006

Approvals

Approvals

Approvals

VDE Zeichengenehmigung

Ex Approvals

Differential current monitoring - RCM-A-SCT- 35 - 2806061

Approvals

Approvals submitted

Approval details

VDE Zeichengenehmigung

Drawings

Circuit diagram

Abbildung fehlt!!!