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Residual current converter for type B+ residual current monitor.

### **Product Features**

- Residual current detection characteristics type B+ (DC up to 100 kHz)
- ☑ Detects smooth and pulsating DC and AC residual currents
- Adjustable residual response current of 30 mA to 3 A
- ✓ Actual residual current can be read via LED display
- Residual current monitoring devices act as a form of fire prevention



## Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	780.0 GRM
Custom tariff number	85043180
Country of origin	Germany

### Technical data

#### **Dimensions**

Height	92 mm
Width	65.5 mm
Depth	144 mm
Diameter converter	35.00 mm
Outside diameter of cables max.	23.00 mm

#### Ambient conditions

Degree of protection	IP20



## 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 <sub>n</sub>	125 A		
Rated response differential current I <sub>dyn</sub>	3 A		
Differential current acquisition characteristic	Type B+ (DC up to 100 kHz)		
Response differential current I <sub>∆n</sub>	0.03 A 3 A		
Thermal permanent differential current I <sub>cth</sub>	150 A (50 Hz / 20 kHz)		
Thermal rated short-time differential current I <sub>th</sub>	3 kA for 1 s (50 Hz/20 kHz)		
Rated surge voltage resistance U <sub>imp</sub>	8 kV		
Surge voltage category	IV		
Rated voltage U <sub>n</sub>	690 V		
Pollution degree	2		
Max. overcurrent as regards the non-resolution	6 x I <sub>n</sub>		
Rated differential short-circuit current I <sub>∆c</sub>	10 kA		
Rated surge differential current I <sub>dyn</sub>	10 kA		

### Connections

Connection method	RJ45
Cable/line name	Converter supply line
Maximum cable length	10 m
Cable type	RJ45/1:1 patch cable
Individual wires per module	8

## Standards and Regulations

Standards/specifications	DIN EN 62020
	VDE 0663
	DIN EN 60044-1
	VDE 0414
	DIN VDE 0664-400 2012



## 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

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Approvals

VDE Zeichengenehmigung

Ex Approvals

Approvals submitted

### Approval details

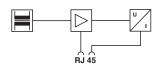


# Approvals

VDE Zeichengenehmigung 🕮

# Drawings

### Circuit diagram



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