

Differential current monitoring - RCM-A-SCT- 70 - 2806074

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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 |
| Weight per Piece (excluding packing) | 320.0 GRM |
| Custom tariff number | 85043180 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|---------------------------------|----------|
| Height | 130 mm |
| Width | 33 mm |
| Depth | 110 mm |
| Diameter converter | 70.00 mm |
| Outside diameter of cables max. | 46.00 mm |

Ambient conditions

| | |
|----------------------|------------------------|
| Degree of protection | IP20 (terminal blocks) |
|----------------------|------------------------|

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Technical data

Ambient conditions

| | |
|---|------------------|
| | IP45 (housing) |
| 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 | 200 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 mm ² |
| Conductor cross section stranded max. | 2.5 mm ² |
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 4 mm ² |
| 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 mm ² |
| Cable type | LiY |

Standards and Regulations

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Technical data

Standards and Regulations

| | |
|--------------------------|----------------|
| Standards/specifications | DIN EN 62020 |
| | 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

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VDE Zeichengenehmigung

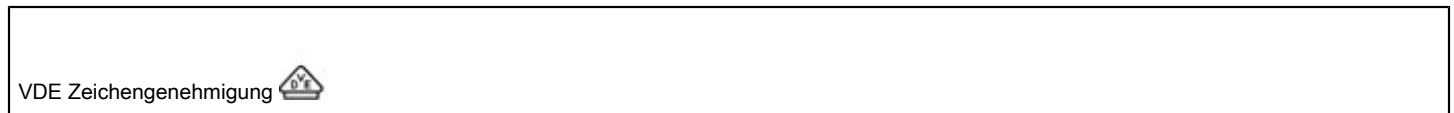
Ex Approvals

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Approvals

Approvals submitted

Approval details



Drawings

Circuit diagram

