




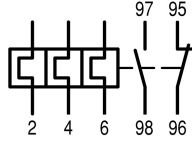


Overload relay 1,6 - 2,4A



Powering Business Worldwide™

Part no. ZE-2,4
Article no. 014479
Catalog No. XTOM2P4AC1

Delivery programme

| | | | |
|--|-------|---|--|
| Product range | | | ZE overload relays for mini contactor relays |
| Phase-failure sensitivity | | | IEC/EN 60947, VDE 0660 Part 102 |
| Description | | | Test/off button Reset pushbutton manual/auto Trip-free release |
| Mounting type | | | Direct mounting |
| Setting range | | | |
| Overload releases  | I_r | A | 1.6 - 2.4 |
| Contact sequence | | |  |
| Auxiliary contacts | | | |
| N/O = Normally open | | | 1 N/O |
| N/C = Normally closed | | | 1 N/C |
| For use with | | | DILEM DIULEM/21/MV SDAINLEM |
| Short-circuit protection | | | |
| Type "1" coordination  | gG/gL | A | 20 |
| Type "2" coordination  | gG/gL | A | 6 |

Notes

Overload release: tripping class 10 A

Short-circuit protection: Observe the maximum permissible fuse of the contactor with direct device mounting.

Suitable for protection of Ex e-motors



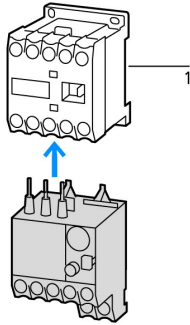
II (2) G

PTB 10 ATEX 3014

Observe manual MN03407003Z-DE/EN.

Notes

When fitted directly to the contactor a clearance of at least 5 mm is required between the overload relays.



1 Contactor

Approvals

Product Standards
 UL File No.
 UL Category Control No.
 CSA File No.
 CSA Class No.
 North America Certification
 Specially designed for North America
 Suitable for
 Max. Voltage Rating
 Degree of Protection

UL 508; CSA-C22.2 No. 14; IEC/EN 60947-4-1; IEC/EN 60947-5-1; CE marking
 E29184
 NKCR
 12528
 3211-03
 UL listed, CSA certified
 No
 Branch circuits
 600 V AC
 IEC: IP20, UL/CSA Type: -

General

| | | | |
|---|--|----|--|
| Standards | | | IEC/EN 60947, VDE 0660, UL, CSA |
| Climatic proofing | | | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 |
| Ambient temperature | | °C | |
| | | | Operating range to IEC/EN 60947 PTB: -5 °C - +55 °C |
| Open | | °C | - 25 - 50 |
| Enclosed | | °C | - 25 - 40 |
| Temperature compensation | | | Continuous |
| Weight | | kg | 0.07 |
| Mechanical shock resistance | | g | 10 Sinusoidal Shock duration 10 ms |
| Protection type | | | IP20 |
| Protection against direct contact when actuated from front (EN 50274) | | | Finger- and back-of-hand proof |

Main conducting paths

| | | | |
|---|-----------|-----------------|------------------|
| Rated impulse withstand voltage | U_{imp} | V AC | 6000 |
| Overvoltage category/pollution degree | | | III/3 |
| Rated insulation voltage | U_i | V | 690 |
| Rated operational voltage | U_e | V AC | 690 |
| Safe isolation to EN 61140 | | | |
| Between auxiliary contacts and main contacts | | V AC | 300 |
| Between main circuits | | V AC | 300 |
| Temperature compensation residual error > 40 °C | | | \leq 0.25 %/K |
| Current heat loss (3 conductors) | | | |
| Lower value of the setting range | | W | 2.5 |
| Maximum setting | | W | 6 |
| Terminal capacities | | mm ² | |
| Solid | | mm ² | 2 x (0.75 - 2.5) |
| Flexible with ferrule | | mm ² | 2 x (0.5 - 1.5) |
| Solid or stranded | | AWG | 18 - 14 |
| Terminal screw | | | M3.5 |
| Tightening torque | | Nm | 1.2 |