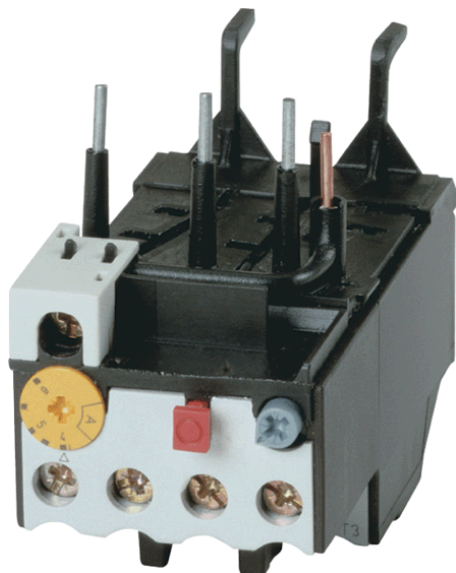


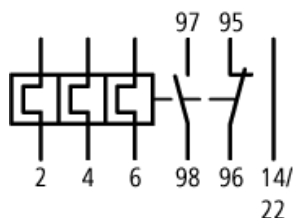
Type: **ZB32-1**
 Article No.: **278446**



Ordering information

| | | | |
|--|-------|---|--|
| Overload release, min. – max. | I_r | A | 0,6 – 1 |
| Auxiliary contacts M = Make | | | 1 M |
| Auxiliary contacts B = Break | | | 1 B |
| For use with | | | DILM17, DILM25, DILM32, DIULM17, DIULM25, DIULM32, SDAINLM30, SDAINLM45, SDAINLM55 |
| Short-circuit protection Type “1” coordination | gG/gL | A | 25 |
| Short-circuit protection Type “2” coordination | gG/gL | A | 4 |

Contact sequence



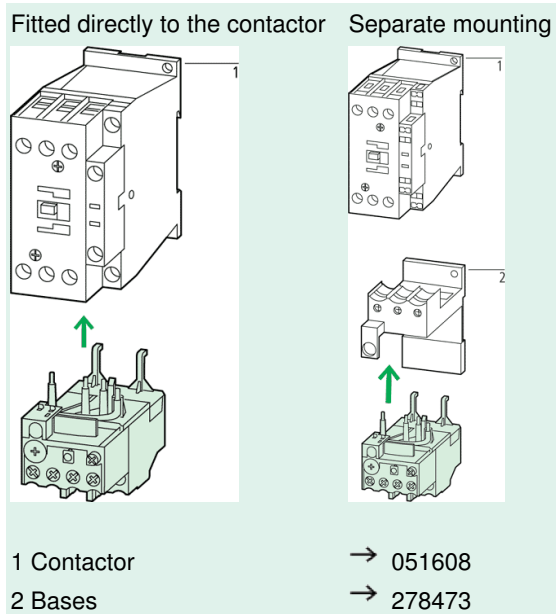
Note concerning the product

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 EEx e-motors. EC prototype test certification on request.

Notes concerning the product group



| 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 | | | |
| Open | | °C | –25/50 |
| Enclosed | | °C | –25/40 |
| Temperature compensation | | | Continuous |
| Weight | | | |
| Mechanical shock resistance half-sinusoidal shock 10 ms to IEC 60068–2–27 | | g | 10 |
| Protection type | | | IP00 |
| Protection against direct contact when actuated from front (IEC 536) | | | 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 | | | |
| AC | U_i | V AC | 690 |
| Rated operational voltage | U_e | V AC | 690 |
| Safe isolation to VDE 0106 Part 101 and Part 101/A1 | | | |
| Between auxiliary contacts and main contacts | | V AC | 440 |
| Between main circuits | | V AC | 440 |
| Overload release setting range | | A | 0,1 – 32 |
| Temperature compensation residual error > 20°C | | %/K | f 0.25 |
| Current heat loss (3 conductors) | | | |
| Lower value of the setting range | | W | 2,5 |
| Maximum setting | | W | 6 |

| | | | |
|-----------------------|--|-----------------|----------------------------|
| Terminal capacities | | | |
| Solid | | mm ² | 2 × (1 – 6) |
| Flexible with ferrule | | mm ² | 2 × (1 – 4) 2 × (1 – 6) |
| Solid or stranded | | AWG | 14 – 8 |
| Terminal screw | | | M4 |
| Tightening torque | | Nm | 1.8 |
| Tools | | | |
| Pozidriv screwdriver | | Size | 2 |
| Standard screwdriver | | mm | 1 × 6 |

Auxiliary and control circuits

| | | | |
|---|-----------|-----------------|------------------|
| Rated impulse withstand voltage | U_{imp} | V | 6000 |
| Overvoltage category/pollution degree | | | III/3 |
| Terminal capacities | | | |
| Solid | | mm ² | 2 × (0.75 – 4) |
| Flexible with ferrule | | mm ² | 2 × (0.75 – 2.5) |
| Solid or stranded | | AWG | 2 × (18 – 12) |
| Terminal screw | | | M3.5 |
| Tightening torque | | Nm | 0.8 – 1.2 |
| Tools | | | |
| Pozidriv screwdriver | | Size | 2 |
| Standard screwdriver | | mm | 1 × 6 |
| Rated insulation voltage | U_i | V AC | 500 |
| Rated operational voltage | U_e | V AC | 500 |
| Safe isolation to VDE 0106 Part 101 and Part 101/A1 between the auxiliary contacts | | V AC | 240 |
| Conventional thermal current | I_{th} | A | 6 |
| Rated operational current | | | |
| AC–15 | | | |
| Make contact | | | |
| 120 V | I_e | A | 1,5 |
| 240 V | I_e | A | 1,5 |
| 415 V | I_e | A | 0,5 |
| 500 V | I_e | A | 0,5 |
| Break contact | | | |
| 120 V | I_e | A | 1,5 |
| 240 V | I_e | A | 1,5 |
| 415 V | I_e | A | 0,9 |
| 500 V | I_e | A | 0,8 |
| DC–13 L/R f 15 ms | | | |
| 24 V | I_e | A | 0,9 |
| 60 V | I_e | A | 0,75 |
| 110 V | I_e | A | 0,4 |
| 220 V | I_e | A | 0,2 |
| Short-circuit rating without welding | | | |

max. fuse

A gG/gL 6

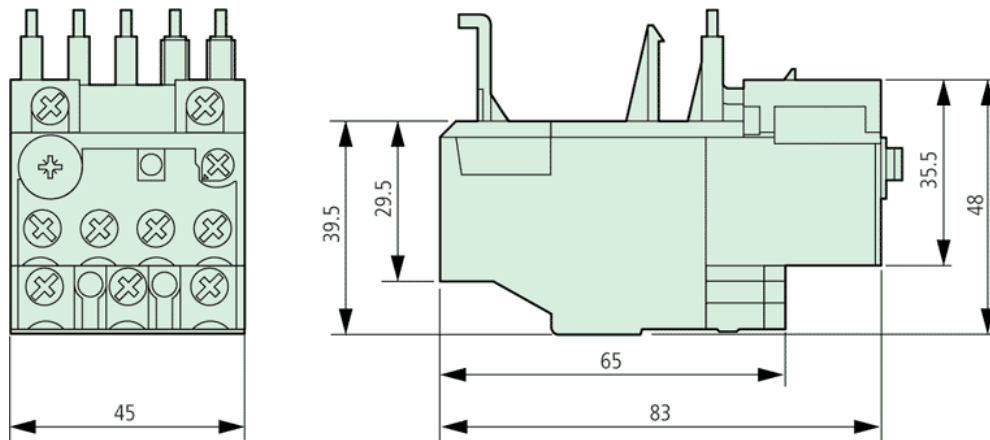
Notes

Ambient temperature: operating range to IEC/EN 60947, PTB: -5°C to +50°C
Rated operational current: Making and breaking conditions to DC-13, L/R constant as stated
See overlay: "Fuses" for short-circuit rating time/current characteristic (please enquire)
6 mm² flexible with ferrules to DIN 46228

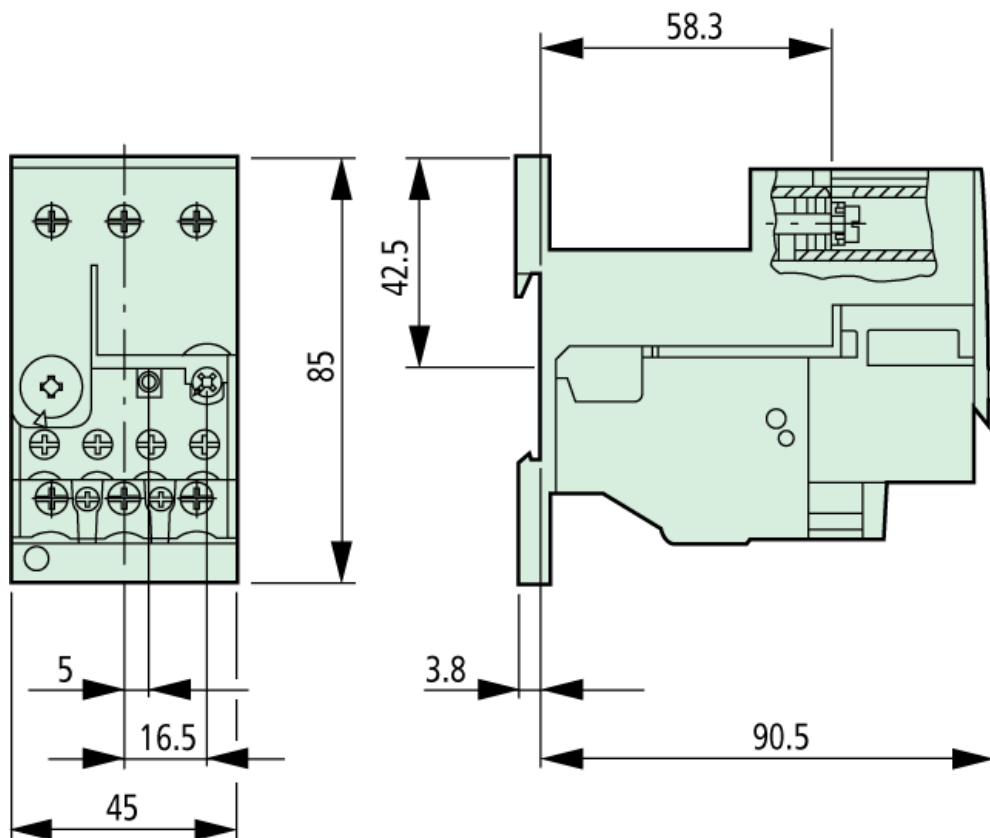
Dimensions

With base ZB32-XEZ

Dimensions



Dimensions



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