Overload relay, Ir= 0.6 - 1 A, 1 N/O, 1 N/C, Direct mounting



Part no. ZE-1,0 Catalog No. 014376 Alternate Catalog XTOM001AC1

No

EL-Nummer 4130478

(Norway)

Delivery program

| Delivery program | | | |
|---------------------------|----------------|---|--|
| 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 | А | 0.6 - 1 |
| Auxiliary contacts | | | |
| N/O = Normally open | | | 1 N/O |
| N/C = Normally closed | | | 1 N/C |
| For use with | | | DILEM DIULEM/21/MV |
| Short-circuit protection | | | |
| Type "1" coordination | gG/gL | A | 20 |
| Type "2" coordination | gG/gL | Α | 4 |

Notes

Overload trigger: 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 [Ex d] [Ex e] [Ex px]

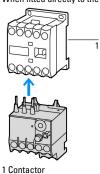
II(2)D Ex p] Ex t]

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.



Technical data General

| Climatic proofing | General | | | |
|--|--|----------------|-----------------|--|
| Ambient transportuse Personal Transportuse | Standards | | | IEC/EN 60947, VDE 0660, UL, CSA |
| Part | Climatic proofing | | | |
| Propose | Ambient temperature | | | |
| Excisoses | | | | Operating range to IEC/EN 60947 PTB: -5 °C - +55 °C |
| Temperature compensation Certainuous Whight (a) (b) 0.05 Check almost shock resistance (a) (b) | Open | | °C | -25 - +50 |
| Marchanical shock resistance | Enclosed | | °C | - 25 - 40 |
| Marchanical shock resistance | Temperature compensation | | | Continuous |
| Mechanical shock residence 9 10 Stock duration 10 ms Diagram of Portaction 10 10 Stock duration 10 ms Production against direct contact when actuated from front EN 802740 10 10 pg and back of hand proof Actuated 1 mg V AC 800 Actuated with a substanct voltage 1 mg V AC 800 Alead in utilision voltage 1 mg V AC 800 Between actualizing vortacts and main contracts 1 mg V AC 300 Between main fronteds 2 mg V AC 300 Between actualizing vortacts and main contracts 2 mg V AC 300 Between main fronteds 2 mg V AC 300 Between actualizing vortacts and main contracts 2 mg V AC 300 Current has flored SC actual-closed 2 mg V AC 300 Current has flored SC actual-closed 2 mg V AC 300 Elective with trails a specified of protein served with trails a specified wi | | | ka | 0.075 |
| Part | | | | |
| Production against direct contact when actuated from front IEN 50274) m Max 2000 | The order to the o | | 9 | Sinusoidal |
| Max 2000 | Degree of Protection | | | IP20 |
| Main conducting paths | Protection against direct contact when actuated from front (EN 50274) | | | Finger and back-of-hand proof |
| Ribated impulsacion workstand voltages Umpulsace salegory/pollution degree VAC 6000 Ribated insulation voltage U, V 80 Ribated insulation voltages U, V 80 State insolation sack for 140 to the grant of productions and main contacts VAC 30 Between residual error > 40 °C VAC 30 Current heat loss ID conductors? VAC 30 Maximum setting VAC 52 Maximum setting W 2.5 Solid or stranded mm² 1 x (0.75 - 2.5) Solid or stranded MAVE 1 x (0.75 - 2.5) Fleesible with ferrule mm² 1 x (0.75 - 2.5) Total programment or served viver mm² 1 x (0.75 - 2.5) Total programment or served viver mm² 1 x (0.75 - 2.5) Total programment or served viver mm² 1 x (0.75 - 2.5) Total programment or served viver mm² 8 x 5 Total programment or served viver mm² 8 x 5 Total programment or served viver mm² 8 x 5 Total programment or served viver </td <td>Altitude</td> <td></td> <td>m</td> <td>Max. 2000</td> | Altitude | | m | Max. 2000 |
| Desiro Intage Category foollution degree | Main conducting paths | | | |
| Return insulation voltage U _a VAC 69 Sale description to EN 61140 VAC 69 Sele selection to EN 61140 VAC 30 Between makin circuits VAC 30 Between makin circuits VAC 30 Cover value to office stiturg range VAC 32 Maximum setting VAC 4 Assidir or standed VAC 4 Seld or standed VAC 10 Seld or standed VAC 10 Terminal screw VAC 10 Positive screwdriver VAC 10 Positive screwdriver VAC 10 Positive screwdriver VAC 10 Positive screwdriver VAC 10 Assidior standed screwdriver VAC 10 Positive screwdriver VAC 10 Assidiary screwdriver VAC 10 Assidiary screwdriver VAC 10 Seld VAC 10 Seld with ferrule <th< td=""><td>Rated impulse withstand voltage</td><td>U_{imp}</td><td>V AC</td><td>6000</td></th<> | Rated impulse withstand voltage | U_{imp} | V AC | 6000 |
| Rate Id ager attional voltage U _a V AC 600 Sale isolation to EN 81140 V AC 300 Between auxiliary contacts and main contacts V AC 300 Between auxiliary contacts and main contacts V AC 300 Emperatur compensation residual error > 40°C V AC 300 Current hall loss IS conductors) V YAC 55 Lower value of the setting range W 48 48 Maximum setting W 48 48 Terminal capacities mm² 1 x (0.75 - 2.5) Solid or stranded W 50 1 x (0.75 - 2.5) Flexible with ferrule M 70 1 x (0.75 - 2.5) Solid or stranded W 70 1 x (0.75 - 2.5) Terminal screw M 70 2 x (0.75 - 2.5) Topic live screwdriver M 70 2 x (0.75 - 2.5) Subdiard screwdriver M 70 2 x (0.75 - 2.5) Subdiard screwdriver M 70 4 x (0.75 - 2.5) Besible with ferrule M 70 4 x (0.75 - 2.5) Solid or stranded M 70 2 x (0.75 - 2.5) | Overvoltage category/pollution degree | | | III/3 |
| Rate Id ager attional voltage U _a V AC 600 Sale isolation to EN 81140 V AC 300 Between auxiliary contacts and main contacts V AC 300 Between auxiliary contacts and main contacts V AC 300 Emperatur compensation residual error > 40°C V AC 300 Current hall loss IS conductors) V YAC 55 Lower value of the setting range W 48 48 Maximum setting W 48 48 Terminal capacities mm² 1 x (0.75 - 2.5) Solid or stranded W 50 1 x (0.75 - 2.5) Flexible with ferrule M 70 1 x (0.75 - 2.5) Solid or stranded W 70 1 x (0.75 - 2.5) Terminal screw M 70 2 x (0.75 - 2.5) Topic live screwdriver M 70 2 x (0.75 - 2.5) Subdiard screwdriver M 70 2 x (0.75 - 2.5) Subdiard screwdriver M 70 4 x (0.75 - 2.5) Besible with ferrule M 70 4 x (0.75 - 2.5) Solid or stranded M 70 2 x (0.75 - 2.5) | Rated insulation voltage | Ui | ٧ | 690 |
| Safe isolation to EN 8140 V.A.C. 300 Between main circuits. V.A.C. 300 Temporatur componsation assidual error > 40 °C V.A.C. 30.25 %/K Current heart loss (3 conductors) V.V.C. \$0.25 %/K Lowar value of the setting range W.V.C. \$0.25 %/K Maximum setting W.V.C. \$0.25 %/K Solid M.W.C. \$1.0075 - 2.5 Flaxbile with ferrule mm² \$1.0075 - 2.5 Solid or stranded M.W.C. \$3.5 Solid or stranded M.W.C. \$3.5 Terminal screw M.W.C. \$2.2 Point screwdriver M.W.C. \$3.5 Point screwdriver M.W.C. \$3.5 Point screwdriver M.W.C. \$3.5 Standard screwdriver M.W.C. \$3.5 Solid or stranded ontrol circuits W.W.C. \$3.00 Solid or stranded ontrol circuits W.W.C. \$3.00 Read with ferrule M.W.C. \$3.00 Solid or stranded M.W.C. \$3.5 | - | | V AC | 690 |
| Between auxiliary contacts and main contacts | | -e | | |
| Between main circuits | | | V 40 | 202 |
| Temperatur compensation residual error > 40 °C Current heat loss (3 conductors) Very value of the setting range Very value of the se | | | | |
| Current heat loss (3 conductors) W 25 Maximum setting W 48 Terminal capacities mm² 1 x (0.75 - 2.5) Solid mm² 1 x (0.75 - 2.5) Biobile with ferrule mm² 1 x (0.75 - 2.5) Solid or stranded W M3 Terminal screw W M3 Stripping longth mm 1 2 Tools mm 2 2 Pozidriv screwdriver Size 2 Standard screwdriver Nm 0 8×5.5 Bated impulse withstand voltage Winp 0 400 Develope settepory/pollution degree Imig 1 x (0.75 - 2.5) Terminal capacities mm 1 x (0.75 - 2.5) Solid mm 0 8×5.5 Terminal capacities mm 0 8×5.5 Terminal capacities mm 1 x (0.75 - 2.5) Solid mm 1 x (0.75 - 2.5) Elexible with ferrule mm 1 x (0.75 - 2.5) Solid or stranded x (0.5 - 1.5) x (0.5 - 1.5) | | | V AC | |
| Nower value of the setting range Maximum setting W | | | | ≦ 0.25 %/K |
| Maximum setting W 4.8 Terminal capacities mm² 1x (0.75 - 2.5) Solid mm² 1x (0.75 - 2.5) Exible with ferrule mm² 1x (0.75 - 2.5) Solid or stranded AWG 18 - 14 Terminal screw MW3.5 12 Stripping length mm 1.2 Pozidriv screwdriver Size 2 Standard screwdriver mm 0.8 x 5.5 Auxiliary and control circuits mm 1.3 Terminal capacities mm² 1.3 Solid or stranded mm² 1.4 x (0.75 - 2.5) Pexible with ferrule mm² 1.2 x (0.75 - 2.5) Solid or stranded mm² 1.2 x (0.75 - 2.5) Solid or stranded mm² 1.2 x (0.75 - 2.5) Stripping length mm² 1.2 x (0.75 - 2.5) Terminal screw mm² 1.2 x (0.75 - 2.5) Solid or stranded mm² 1.2 x (0.75 - 2.5) Stripping length mm² 2.2 x (0.75 - 2.5) Terminal screw m | Current heat loss (3 conductors) | | | |
| Terminal capacities mm² 1x (0.75 - 2.5) Solid mm² 1x (0.75 - 2.5) Bexible with ferrule mm² 1x (0.75 - 2.5) Solid or stranded AWG 18 - 14 Terminal screw M3.5 Tightening torque Nm 12 Stripping length Nm 2 Pozidif v screwdriver Size 2 Rated inpulse withstand voltage ymm 9x x 5.5 Overvoltage category/pollution degree mm² 1x (0.75 - 2.5) Solid mm² 1x (0.75 - 2.5) Solid or stranded mm² 1x (0.5 - 1.5) Terminal screw mm² 1x (0.5 - 1.5) Solid or stranded mm² 1x (0.5 - 1.5) Solid or stranded mm² 1x (0.5 - 1.5) Terminal screw mm² <td< td=""><td>Lower value of the setting range</td><td></td><td>W</td><td>2.5</td></td<> | Lower value of the setting range | | W | 2.5 |
| Solid mm² 1 x (0.75 - 2.5) Flexible with ferrule mm² 1 x (0.5 - 1.5) Solid or stranded AWG 18 - 14 Terminal screw Mm3 3.2 Tightening torque Nm 1.2 Stripping length mm² 8 Pozidriv screwdriver mm² 9.8 x 5.5 Auxiliary and control circuits 3.5 x 5.5 Reted impulse withstand voltage Ump V 4000 Overvoltage category/pollution degree mm² 1 x (0.75 - 2.5) 2.5 Solid mm² 1 x (0.75 - 2.5) 2.5 Elexible with ferrule mm² 1 x (0.75 - 2.5) 2.5 Solid or stranded mm² 1 x (0.75 - 2.5) 2.5 Solid or stranded mm² 1 x (0.75 - 2.5) 3.2 Stripping length mm² 1.2 3.5 Terminal screw mm² 1.2 3.5 Stripping length mm² 2.2 3.5 Stripping length mm² 2.2 3.2 <th< td=""><td>Maximum setting</td><td></td><td>W</td><td>4.8</td></th<> | Maximum setting | | W | 4.8 |
| Flexible with ferrule | Terminal capacities | | mm^2 | |
| Flexible with ferrule | Solid | | mm ² | 1 x (0.75 - 2.5) |
| Solid or stranded AWG 18 - 14 Terminal screw M3.5 Tightening torque Nm 1.2 Stripping length mm 8 Tools V V Pozidriv screwdriver mm 0.8x 5.5 Strated impulse withstand voltage Ump 4000 Overvoltage category/pollution degree III/3 III/3 Solid mm² 1 x (0.75 - 2.5) Flexible with ferrule mm² 1 x (0.75 - 2.5) Solid or stranded mm² 1 x (0.5 - 1.5) Solid or stranded mm² 1 x (0.5 - 1.5) Solid or stranded mm² 1 x (0.5 - 1.5) Solid or stranded mm² 1 x (0.5 - 1.5) Solid or stranded mm² 1 x (0.5 - 1.5) Stripping length mm² 2 x (0.5 - 1.5) Terminal screw mm² 8 Terminal screw mm² 8 Terminal screw mm² 8 Terminal screw mm² 8 Terminal screw | Flexible with ferrule | | | 1 x (0.5 - 1.5) |
| Tightening torque Nm 1.2 Stripping length mm 8 Tools Fozidriv screwdriver Size 2 Pozidriv screwdriver Image: Strandard screwdriver 0.8 x 5.5 Auxiliary and control circuits Wing V 4000 Bated impulse withstand voltage III/3 III/3 Powervoltage category/pollution degree III/3 III/3 Solid mm² 2 x (0.75 - 2.5) III/3 Flexible with ferrule mm² 2 x (0.75 - 2.5) III/3 Solid or stranded AWG 2 x (0.5 - 1.5) X (0.5 | Solid or stranded | | | 18 - 14 |
| Stripping length Tools Pozidriv screwdriver Pozidriv screwdriver Standard screwdriver Standard screwdriver Standard screwdriver Standard screwdriver Standard screwdriver Standard screwdriver Sated impulse withstand voltage Ump Vmp Vmp Vmp Vmp Vmp Vmm Vmp Vmp Vmp V | Terminal screw | | | M3.5 |
| Fozifriv screwdriver Pozifriv screwdriver Standard screwdriver Standard screwdriver Auxiliary and control circuits Rated impulse withstand voltage Overvoltage category/pollution degree Terminal capacities Solid Flexible with ferrule Solid or stranded Solid or stranded Solid or stranded Terminal screw Tightening torque Pozidriv screwdriver Pozidriv screwdriver Pozidriv screwdriver Rated insulation voltage U _{II} Size Siz | Tightening torque | | Nm | 1.2 |
| Fozifriv screwdriver Pozifriv screwdriver Standard screwdriver Standard screwdriver Auxiliary and control circuits Rated impulse withstand voltage Overvoltage category/pollution degree Terminal capacities Solid Flexible with ferrule Solid or stranded Solid or stranded Solid or stranded Terminal screw Tightening torque Pozidriv screwdriver Pozidriv screwdriver Pozidriv screwdriver Rated insulation voltage U _{II} Size Siz | Stripping length | | mm | 8 |
| Pozidriv screwdriver Size but and screwdriver 2 Auxiliary and control circuits Wimp but and pulse withstand voltage V but and pulse withstand voltage 4000 Overvoltage category/pollution degree IIII/3 IIII/3 Terminal capacities mm² 1 x (0.75 - 2.5) 2 x (0.75 - 2.5) Flexible with ferrule mm² 1 x (0.75 - 2.5) 2 x (0.75 - 2.5) Solid or stranded AWG 2 x (18 - 12) Terminal screw M3.5 1.2 Stripping length mm 8 Tools mm 8 Pozidriv screwdriver Size 2 Standard screwdriver mm 0.8 x 5.5 Rated insulation voltage V, AC 500 | Tools | | | |
| Standard screwdriver Auxiliary and control circuits Rated impulse withstand voltage Overvoltage category/pollution degree Terminal capacities Solid Solid Mm2 Imm2 Ix (0.75 - 2.5) 2x (0.75 - 2.5) 2x (0.75 - 2.5) 2x (0.75 - 2.5) 2x (0.75 - 1.5) 2x | Pozidriv screwdriver | | Size | 2 |
| Name | Standard screwdriver | | | |
| Rated impulse withstand voltage Overvoltage category/pollution degree Terminal capacities Solid Solid Mm² 1 × (0.75 - 2.5) 2 × (0.75 - 2.5) 2 × (0.75 - 2.5) 2 × (0.75 - 2.5) 2 × (0.75 - 2.5) 2 × (0.75 - 1.5) Solid or stranded Solid or stranded AWG 2 × (18 - 12) M3.5 Terminal screw Tightening torque Stripping length Tools Pozidriv screwdriver Pozidriv screwdriver Standard screwdriver Rated insulation voltage V in W in Accommanded V in W in X | | | 111111 | |
| Overvoltage category/pollution degree III/3 Terminal capacities mm² 1 x (0.75 - 2.5) x (0.75 - 1.5) x (0.7 | Rated impulse withstand voltage | U_{imp} | V | 4000 |
| Terminal capacities mm² Ix (0.75 - 2.5) 2x (0.75 - 2.5) Solid mm² 1x (0.75 - 2.5) 2x (0.75 - 2.5) Flexible with ferrule mm² 1x (0.5 - 1.5) 2x (0.5 - 1.5) Solid or stranded AWG 2 x (18 - 12) Terminal screw M3.5 M3.5 Tightening torque Nm 1.2 Stripping length mm 8 Tools Size 2 Pozidriv screwdriver Size 2 Standard screwdriver mm 0.8 x 5.5 Rated insulation voltage Ui V AC 500 | Overvoltage category/pollution degree | · | | 111/3 |
| Solid mm² 1 x (0.75 - 2.5) 2 x (0.75 - 2.5) Flexible with ferrule mm² 1 x (0.75 - 2.5) 2 x (0.5 - 1.5) 2 x (0.5 - 1.5) Solid or stranded AWG 2 x (18 - 12) Terminal screw M3.5 Tightening torque Mm 1.2 Stripping length mm 8 Tools Pozidriv screwdriver Pozidriv screwdriver Standard screwdriver Standard screwdriver Ma.5 Vm 1.2 | | | 2 | |
| Flexible with ferrule mm² 1x (0.5 - 1.5) 2x (0.5 - 1.5) Solid or stranded AWG 2x (18 - 12) Terminal screw M3.5 Tightening torque Nm 1.2 Stripping length mm 8 Tools Pozidriv screwdriver Size 2 Standard screwdriver Mathematical screwdriver Size 2 Standard screwdriver Mathematical screwdriver Mathematical screwdriver Mathematical screwdriver Size 2 Standard screwdriver Mathematical scre | | | | |
| AWG 2 x (18 - 12) Terminal screw M3.5 Tightening torque Nm 1.2 Stripping length mm 8 Tools Strawdriver Standard screwdriver mm 0.8 x 5.5 Rated insulation voltage Ui V AC 500 | Flexible with ferrule | | mm ² | 1 x (0.5 - 1.5) |
| Terminal screw M3.5 Tightening torque Nm 1.2 Stripping length mm 8 Tools Pozidriv screwdriver Size 2 Standard screwdriver mm 0.8 x 5.5 Rated insulation voltage Ui V AC 500 | Solid or stranded | | AWG | |
| Tightening torque Nm 1.2 Stripping length mm 8 Tools Size 2 Pozidriv screwdriver mm 0.8 x 5.5 Standard screwdriver mm 0.8 x 5.5 Rated insulation voltage Ui V AC 500 | Terminal screw | | | |
| Stripping length mm 8 Tools Pozidriv screwdriver Standard screwdriver Rated insulation voltage mm 0.8 x 5.5 V AC 500 | Tightening torque | | Nm | |
| Tools Size Pozidriv screwdriver Size 2 Standard screwdriver mm 0.8 x 5.5 Rated insulation voltage Ui V AC 500 | | | | |
| Pozidriv screwdriver Size 2 Standard screwdriver mm 0.8 x 5.5 Rated insulation voltage U _i V AC 500 | | | | - |
| Standard screwdriver mm 0.8 x 5.5 Rated insulation voltage Ui V AC 500 | | | Size | 2 |
| Rated insulation voltage U _i V AC 500 | | | | |
| | | | | |
| Rated operational voltage U _e V AC 500 | | | | |
| | Rated operational voltage | U _e | V AC | 500 |

| Safe isolation to EN 61140 | | | |
|--------------------------------------|-----------------|---------|---|
| between the auxiliary contacts | | V AC | 250 |
| Conventional thermal current | I _{th} | Α | 6 |
| Rated operational current | I _e | Α | |
| AC-15 | | | |
| Make contact | | | |
| 120 V | I _e | Α | 1.5 |
| 220 V 230 V 240 V | l _e | Α | 1.5 |
| 380 V 400 V 415 V | I _e | Α | 0.7 |
| 500 V | I _e | Α | 0.5 |
| Break contact | | | |
| 120 V | I _e | Α | 1.5 |
| 220 V 230 V 240 V | Ie | Α | 1.5 |
| 380 V 400 V 415 V | I _e | Α | 0.7 |
| 500 V | I _e | Α | 0.5 |
| DC L/R ≦ 15 ms | | | |
| | | | Switch-on and switch-off conditions based on DC-13, time constant as specified. |
| 24 V | I _e | Α | 0.9 |
| 60 V | I _e | Α | 0.75 |
| 110 V | le | Α | 0.4 |
| 220 V | I _e | А | 0.2 |
| Short-circuit rating without welding | | | |
| max. fuse | | A gG/gL | 4 |

Notes

Notes Ambient air temperature: Operating range to IEC/EN 60947, PTB: -5°C to +50°C

Main circuits terminal capacity solid and flexible conductors with ferrules: When using 2 conductors use equal cross-sections.

Rating data for approved types

| Auxiliary contacts | | |
|------------------------------|------|----------------------------|
| Pilot Duty | | |
| AC operated | | D300 |
| DC operated | | R300 |
| General Use | | |
| AC | V | 240 V/1,5 A 600 V/0,6 A |
| Short Circuit Current Rating | SCCR | |
| Basic Rating | | |
| Notes | | CB for max. 480 V |
| SCCR | kA | 5 |
| max. Fuse | А | 3 |
| max. CB | Α | 15 |

Design verification as per IEC/EN 61439

| Technical data for design verification | | | |
|--|-------------------|----|--|
| Rated operational current for specified heat dissipation | In | Α | 1 |
| Heat dissipation per pole, current-dependent | P_{vid} | W | 1.6 |
| Equipment heat dissipation, current-dependent | P_{vid} | W | 4.8 |
| Static heat dissipation, non-current-dependent | P_{vs} | W | 0 |
| Heat dissipation capacity | P _{diss} | W | 0 |
| Operating ambient temperature min. | | °C | -25 |
| Operating ambient temperature max. | | °C | 50 |
| IEC/EN 61439 design verification | | | |
| 10.2 Strength of materials and parts | | | |
| 10.2.2 Corrosion resistance | | | Meets the product standard's requirements. |
| 10.2.3.1 Verification of thermal stability of enclosures | | | Meets the product standard's requirements. |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat | | | Meets the product standard's requirements. |

| 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects | Meets the product standard's requirements. |
|--|--|
| 10.2.4 Resistance to ultra-violet (UV) radiation | Meets the product standard's requirements. |
| 10.2.5 Lifting | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.6 Mechanical impact | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.7 Inscriptions | Meets the product standard's requirements. |
| 10.3 Degree of protection of ASSEMBLIES | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.4 Clearances and creepage distances | Meets the product standard's requirements. |
| 10.5 Protection against electric shock | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.6 Incorporation of switching devices and components | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.7 Internal electrical circuits and connections | Is the panel builder's responsibility. |
| 10.8 Connections for external conductors | Is the panel builder's responsibility. |
| 10.9 Insulation properties | |
| 10.9.2 Power-frequency electric strength | Is the panel builder's responsibility. |
| 10.9.3 Impulse withstand voltage | Is the panel builder's responsibility. |
| 10.9.4 Testing of enclosures made of insulating material | Is the panel builder's responsibility. |
| 10.10 Temperature rise | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 10.11 Short-circuit rating | Is the panel builder's responsibility. The specifications for the switchgear must observed. |
| 10.12 Electromagnetic compatibility | Is the panel builder's responsibility. The specifications for the switchgear must observed. |
| 10.13 Mechanical function | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |

Technical data ETIM 8.0

| Low-voltage industrial components (EG000017) / Thermal overload relay (EC000106) | | | |
|--|---|-------------------|--|
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Overload protection device / Thermal overload relay (ecl@ss10.0.1-27-37-15-01 [AKF075014]) | | | |
| Adjustable current range | Α | 0.6 - 1 | |
| Max. rated operation voltage Ue | V | 690 | |
| Mounting method | | Direct attachment | |
| Type of electrical connection of main circuit | | Screw connection | |
| Number of auxiliary contacts as normally closed contact | | 1 | |
| Number of auxiliary contacts as normally open contact | | 1 | |
| Number of auxiliary contacts as change-over contact | | 0 | |
| Release class | | CLASS 10 A | |
| Reset function input | | No | |
| Reset function automatic | | Yes | |
| Reset function push-button | | Yes | |