# Specifications







## Eaton 072899

Eaton Moeller® series PKZ Trip indicator, 2 x 1 NC, Screw terminals

| General specifications | |
|---|---|
| **PRODUCT NAME** | Eaton Moeller® series PKZ Trip indicator |
| **CATALOG NUMBER** | 072899 |
| **MODEL CODE** | AGM2-01-PKZ0 |
| **EAN** | 4015080728993 |
| **PRODUCT LENGTH/DEPTH** | 68 mm |
| **PRODUCT HEIGHT** | 90 mm |
| **PRODUCT WIDTH** | 23 mm |
| **PRODUCT WEIGHT** | 0.035 kg |
| **CERTIFICATIONS** | CE<br>IEC/EN 60947-4-1<br>CSA File No.: 165628<br>CSA-C22.2 No. 14<br>UL File No.: E36332<br>CSA Class No.: 3211-05<br>UL 508<br>CSA<br>UL Category Control No.: NLRV<br>UL |

## Climatic environmental conditions

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| **AMBIENT OPERATING TEMPERATURE - MAX** | 55 °C |
| **AMBIENT OPERATING TEMPERATURE - MIN** | -25 °C |

## Contacts

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| **CONTROL CIRCUIT RELIABILITY** | < 2 λ, < 1 failure at 100,000,000 Operations (at $U_e$ = 24 V DC, Umin = 17 V, Imin = 5.4 mA) |
| **NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)** | 0 |
| **NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)** | 2 |
| **NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)** | 0 |

## Communication

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| **CONNECTION TYPE** | Screw connection |

## Design verification

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| **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 be observed. |
| **10.12 ELECTROMAGNETIC COMPATIBILITY** | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| **10.13 MECHANICAL FUNCTION** | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |
| **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 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. 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** | Does not apply, since the |

| | |
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| **SWITCHING DEVICES AND COMPONENTS** | 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. |
| **10.9.2 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. |
| **EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID** | 0 W |
| **HEAT DISSIPATION CAPACITY PDISS** | 0 W |
| **HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID** | 0.1 W |
| **RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)** | 3.5 A |
| **STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS** | 0 W |

## Electrical rating

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| **RATED OPERATIONAL CURRENT (IE)** | 1 A at AC-15, 440 V 500 V |
| **RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V** | 3.5 A |
| **RATED OPERATIONAL CURRENT (IE) AT AC-15, 380 V, 400 V, 415 V** | 2 A |
| **RATED OPERATIONAL CURRENT (IE) AT DC-13, 110 V** | 0.5 A |
| **RATED OPERATIONAL CURRENT (IE) AT DC-13, 220 V, 230 V** | 0.25 A |
| **RATED OPERATIONAL CURRENT (IE) AT DC-13, 24 V** | 2 A |
| **RATED OPERATIONAL CURRENT (IE) AT DC-13, 60 V** | 1 A |
| **RATED OPERATIONAL VOLTAGE (UE) AT DC - MAX** | 250 V |
| **SAFE ISOLATION** | 440 V, Between auxiliary contacts and main contacts, According to EN 61140 |

## Features & functions

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| **ELECTRIC CONNECTION TYPE** | Screw connection |
| **INDICATION** | General trip indication (overload)<br>Short-circuits indicated locally by means of a red indicator that can be manually reset |

## General information

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| **LIFESPAN, ELECTRICAL** | 50,000 Operations |
| **LIFESPAN, MECHANICAL** | 10,000 Operations |
| **MODEL** | Top mounting |
| **MOUNTING METHOD** | Side mounting |
| **OVERVOLTAGE CATEGORY** | III |
| **POLLUTION DEGREE** | 3 |
| **PRODUCT CATEGORY** | Accessories |
| **RATED IMPULSE WITHSTAND VOLTAGE (UIMP)** | 6000 V AC |
| **USED WITH** | Motor protective circuit-breaker |

## Short-circuit rating

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| **SHORT-CIRCUIT PROTECTION RATING WITHOUT WELDING** | 10 A gG/gL, Fuse, Auxiliary contacts |

## Switching capacity

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| **SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)** | 5 A, 600 V AC, (UL/CSA)<br>1 A, 250 V DC, (UL/CSA) |
| **SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)** | A600, AC operated (UL/CSA)<br>Q300, DC operated (UL/CSA) |

## Terminal capacities

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| **TERMINAL CAPACITY (SOLID/FLEXIBLE WITH FERRULE)** | 0.75 - 2.5 mm² |
| **TERMINAL CAPACITY (SOLID/STRANDED AWG)** | 18 - 14 |

## Resources

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|---|---|
| **BROCHURES** | eaton-motor-protective-circuit-breaker-pke-and-communication-modul-pke-brochure-w12107613en-en-us.pdf<br><br>eaton-motor-starters-system-xstart-brochure-br03407001en-en-us.pdf |
| **CATALOGUES** | eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf |
| **CHARACTERISTIC CURVE** | eaton-motorstarters-auxiliary-contact-pkz-trip-indicator-characteristic-curve-003.eps<br><br>eaton-motorstarters-auxiliary-contact-pkz-trip-indicator-characteristic-curve-004.eps |
| **DECLARATIONS OF CONFORMITY** | eaton-accessory-declaration-of-conformity-eu250671en.pdf<br><br>eaton-accessory-declaration-of-conformity-uk251154en.pdf |
| **DRAWINGS** | eaton-manual-motor-starters-auxiliary-contact-pkz0-trip-indicator-dimensions.eps<br><br>eaton-manual-motor-starters-auxiliary-contact-pkz-trip-indicator-3d-drawing.eps |
| **ECAD MODEL** | ETN.072899.edz |
| **INSTALLATION INSTRUCTIONS** | IL03402030Z |
| **INSTALLATION VIDEOS** | Video Motor Protective Circuit Breaker PKE<br><br>WIN-WIN with push-in technology |
| **MCAD MODEL** | eaton-contact-blocks-mcad-drawings-agm2.dwg<br><br>DA-CS-agm2 |
| **SALES NOTES** | eaton-pke-modbus-rtu-modul-flyer-fl034008en-en-us.pdf |
| **WIRING DIAGRAMS** | eaton-motorstarters-auxiliary-contact-pkz-trip-indicator-wiring-diagram-002.eps |

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|---|---|
| **PROJECT NAME:** | |
| **PROJECT NUMBER:** | |
| **PREPARED BY:** | |
| **DATE:** | |

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