Trip block, 0.3 - 1.2 A, Motor protection, Connection to SmartWire-DT: yes, For use with: PKE12 basic device



Part no. PKE-XTUA-1,2

121727

EL Number

4355178

| (Norway) | 4333170 |
|--|---|
| General specifications | |
| Product name | Eaton Moeller® series PKE Trip block |
| Part no. | PKE-XTUA-1,2 |
| EAN | 4015081195374 |
| Product Length/Depth | 41.6 millimetre |
| Product height | 64.2 millimetre |
| Product width | 45 millimetre |
| Product weight | 0.09 kilogram |
| Certifications | IEC/EN 60947-4-1 UL CSA Class No.: 3211-05 UL Category Control No.: NLRV CSA File No.: 165628 IEC/EN 60947 CSA UL 508 CSA-C22.2 No. 14-10 UL File No.: E36332 VDE 0660 CE |
| Product Tradename | PKE |
| Product Type | Accessory |
| Product Sub Type | Trip block |
| Catalog Notes | Also suitable for motors with efficiency class IE3. IE3-ready devices are identified by the logo on their packaging. |
| eatures & Functions | |
| Features | Phase-failure sensitivity (according to IEC/EN 60947-4-1, VDE 0660 Part 102) |
| Functions Number of poles | Motor protection Motor protection for heavy starting duty Overload release |
| General information | Three-pole |
| Current flow times - min | 700 (Class 10) AC-4 cycle operation, Main conducting paths 500 (Class 5) AC-4 cycle operation, Main conducting paths Note: Going below the minimum current flow time can cause overheating of the load (motor). 900 (Class 15) AC-4 cycle operation, Main conducting paths 1000 (Class 20) AC-4 cycle operation, Main conducting paths For all combinations with an SWD activation, you need not adhere to the minimum |
| | current flow times and minimum cut-out periods. |
| Cut-out periods - min | ≤ 500 ms, main conducting paths, AC-4 cycle operation |
| Degree of protection | Device: IP20 Terminals: IP00 |
| Operating frequency | 60 Operations/h |
| Overload release current setting - min | 0.3 A |
| Overload release current setting - max | 1.2 A |
| Overvoltage category | III |
| Pollution degree | 3 |
| Product category | Accessories |
| Protection | Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) |
| Rated impulse withstand voltage (Uimp) | 6000 V AC |
| Temperature compensation | -25 - 55 °C, Operating range -5 - 40 °C to IEC/EN 60947, VDE 0660 |
| | Self powered |

| Shock resistance | 25 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms |
|---|--|
| Climatic environmental conditions | J |
| Altitude | Max. 2000 m |
| Ambient operating temperature - min | -25 °C |
| Ambient operating temperature - max | 55 °C |
| Ambient operating temperature (enclosed) - min | 25 °C |
| Ambient operating temperature (enclosed) - max | 40 °C |
| Ambient storage temperature - min | 40 °C |
| Ambient storage temperature - max | 80 °C |
| Climatic proofing | Damp heat, cyclic, to IEC 60068-2-30 |
| Cimitato probining | Damp heat, constant, to IEC 60068-2-78 |
| Electrical rating | |
| Rated frequency - min | 50 Hz |
| Rated frequency - max | 60 Hz |
| Rated operational current (le) | 1.2 A |
| Rated operational voltage (Ue) at AC - max | 690 V |
| Rated uninterrupted current (Iu) | 1.2 A |
| Short-circuit rating | |
| Short-circuit release | Delayed approx. 60 ms, Trip blocks ± 20% tolerance, Trip blocks Trip block fixed 15.5 x Ir |
| Switching capacity | |
| Switching capacity at AC-3 (up to 690 V) | 1.2 A |
| Magnet system | |
| Rated control supply voltage (Us) at AC, 50 Hz - min | 0 V |
| Rated control supply voltage (Us) at AC, 50 Hz - max | 0 V |
| Rated control supply voltage (Us) at AC, 60 Hz - min | 0 V |
| Rated control supply voltage (Us) at AC, 60 Hz - max | 0 V |
| Rated control supply voltage (Us) at DC - min | 0 V |
| Rated control supply voltage (Us) at DC - max | 0 V |
| Communication | |
| Connection to SmartWire-DT | In conjunction with PKE-SWD-32 SmartWire DT PKE module |
| Connection to Smartwile-D1 | Yes In conjunction with PKE-SWD-SP SmartWire DT PKE module |
| Design verification | and the state of t |
| Equipment heat dissipation, current-dependent Pvid | 0.3 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) | 1.2 A |
| Static heat dissipation, non-current-dependent Pvs | 0 W |
| 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 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. |
| 10.7 Internal electrical circuits and connections 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. 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 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. |

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Trip block for power circuit-breaker (EC000617)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Releasing block for circuit breakers (ecl@ss13-27-37-04-10 [AKF008018])

| that coccion | | |
|---|----|--------------------|
| Type of motor protection | | Electronic release |
| Number of poles | | 3 |
| Rated permanent current lu | Α | 1.2 |
| Rated switch current | Α | |
| Overload release current setting | Α | 0.3 - 1.2 |
| Short-circuit release function | | Delayed |
| Current setting delayed short-circuit release | Α | |
| Current setting undelayed short-circuit release | Α | |
| With ground fault protection function | | No |
| External power supply required | | No |
| Voltage type (supply voltage) | | |
| Supply voltage AC 50 Hz | V | |
| Supply voltage AC 60 Hz | V | |
| Supply voltage DC | V | |
| Number of auxiliary contacts as normally closed contact | | |
| Number of auxiliary contacts as normally open contact | | |
| Number of auxiliary contacts as change-over contact | | |
| Voltage type (operating voltage) | | |
| Operating voltage AC 50 Hz | V | |
| Operating voltage AC 60 Hz | V | |
| Operating voltage DC | V | |
| Width | mm | 45 |
| Height | mm | 64.2 |
| Depth | mm | 41.6 |