

**Trip block, 15 - 36 A, System protection, Connection to SmartWire-DT: no,
For use with: PKE32 basic device**



Powering Business Worldwide™

Part no. PKE-XTUCP-36

153164

EL Number

4315138

(Norway)

| General specifications | | |
|--|--|---|
| Product name | | Eaton Moeller® series PKE Trip block |
| Part no. | | PKE-XTUCP-36 |
| EAN | | 4015081498918 |
| Product Length/Depth | | 41.6 millimetre |
| Product height | | 64.2 millimetre |
| Product width | | 45 millimetre |
| Product weight | | 0.09 kilogram |
| Certifications | | VDE 0660 IEC/EN 60947 |
| Product Tradename | | PKE |
| Product Type | | Accessory |
| Product Sub Type | | Trip block |
| Features & Functions | | |
| Functions | | Short-circuit protection Line and cable protection System protection Overcurrent protection |
| Number of poles | | Three-pole |
| General information | | |
| Current flow times - min | | 1000 (Class 20) AC-4 cycle operation, Main conducting paths Note: Going below the minimum current flow time can cause overheating of the load (motor). For all combinations with an SWD activation, you need not adhere to the minimum current flow times and minimum cut-out periods. 500 (Class 5) AC-4 cycle operation, Main conducting paths 700 (Class 10) AC-4 cycle operation, Main conducting paths 900 (Class 15) AC-4 cycle operation, Main conducting paths |
| 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 | | 15 A |
| Overload release current setting - max | | 36 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 | | -5 - 40 °C to IEC/EN 60947, VDE 0660 -25 - 55 °C, Operating range |
| Voltage type | | Self powered |
| Ambient conditions, mechanical | | |
| Shock resistance | | 25 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms |
| Climatic environmental conditions | | |
| 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 Damp heat, constant, to IEC 60068-2-78 |
| Electrical rating | | |
| Rated frequency - min | | 50 Hz |
| Rated frequency - max | | 60 Hz |
| Rated operational current (Ie) | | 36 A |
| Rated operational voltage (Ue) at AC - max | | 690 V |
| Rated uninterrupted current (Iu) | | 36 A |
| Short-circuit rating | | |
| Short-circuit release | | Delayed approx. 60 ms, Trip blocks 75 A - 288 A, I _{rm} , Setting range ± 20% tolerance, Trip blocks Trip block adjustable 5 - 8 x I _r |
| 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 | | No |
| Design verification | | |
| Equipment heat dissipation, current-dependent P _{vid} | | 4.9 W |
| Heat dissipation capacity P _{diss} | | 0 W |
| Heat dissipation per pole, current-dependent P _{vid} | | 1.7 W |
| Rated operational current for specified heat dissipation (I _n) | | 36 A |
| Static heat dissipation, non-current-dependent P _{vs} | | 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. |
| 10.8 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. |
| 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)

| | | | |
|---|--|----|--------------------|
| Type of motor protection | | | Electronic release |
| Number of poles | | | 3 |
| Rated permanent current I _u | | A | 36 |
| Rated switch current | | A | |
| Overload release current setting | | A | 15 - 36 |
| Short-circuit release function | | | Delayed |
| Current setting delayed short-circuit release | | A | |
| Current setting undelayed short-circuit release | | A | |
| 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 |