



**PKE ELECTRONIC MOTOR PROTECTION  
CIRCUIT BREAKER**  
**168795**

  
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**How to buy**

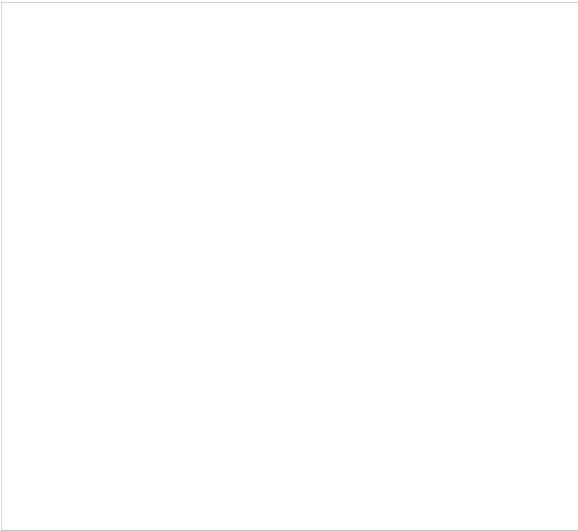


Photo is representative



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168795

Eaton Moeller® series PKE Trip block, 15 - 36 A, S  
Connection to SmartWire-DT: yes, For use with: PK

**How to buy**

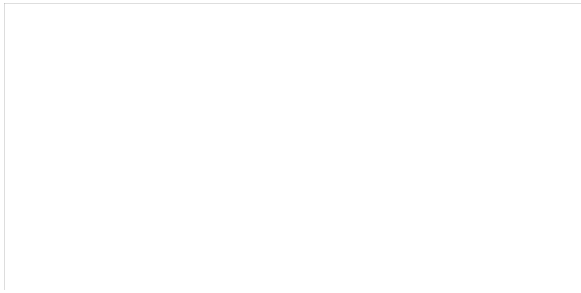


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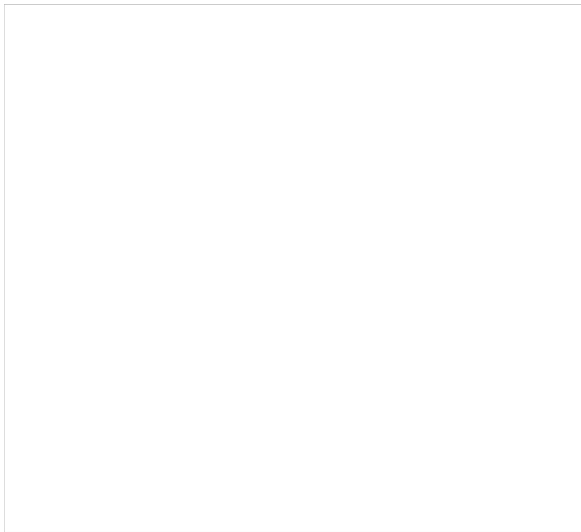


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GENERAL SPECIFICATIONS

General specifications

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PRODUCT NAME Eaton Moeller® series PKE Trip block

CATALOG NUMBER 168795

Product specifications

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MODEL CODE PKE-XTUACP-36

EAN 4015081652860

PRODUCT LENGTH/DEPTH 41.6 mm

PRODUCT HEIGHT 64.2 mm

PRODUCT WIDTH 45 mm

PRODUCT WEIGHT 0.09 kg

CERTIFICATIONS IEC/EN 60947  
VDE 0660

PRODUCT SPECIFICATIONS

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN) 36 A

10.11 SHORT-CIRCUIT RATING Is the panel builder's responsibility. The specification must be observed.

AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN 25 °C

RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN 0 V

10.4 CLEARANCES AND CREEPAGE DISTANCES Meets the product standard's requirements.

10.12 ELECTROMAGNETIC COMPATIBILITY Is the panel builder's responsibility. The specification must be observed.

CUT-OUT PERIODS - MIN ≤ 500 ms, main conducting paths, AC-4 cycle operation

10.2.5 LIFTING Does not apply, since the entire switchgear needs to be lifted

AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX 40 °C

10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES Meets the product standard's requirements.

AMBIENT STORAGE TEMPERATURE - MIN 40 °C

RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN 0 V

<b>CURRENT FLOW TIMES - MIN</b>	500 (Class 5) AC-4 cycle operation, Main conducting time For all combinations with an SWD activation, you must observe the minimum current flow times and minimum cut-off times 900 (Class 15) AC-4 cycle operation, Main conducting time 1000 (Class 20) AC-4 cycle operation, Main conducting time Note: Going below the minimum current flow time of the load (motor). 700 (Class 10) AC-4 cycle operation, Main conducting time
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX</b>	0 V
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>PROTECTION</b>	Finger and back-of-hand proof, Protection against direct contact, actuated from front (EN 50274)
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	55 °C
<b>CLIMATIC PROOFING</b>	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
<b>CONNECTION TO SMARTWIRE-DT</b>	Yes In conjunction with PKE-SWD-SP SmartWire DT
<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>	0 W
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX</b>	0 V
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>NUMBER OF POLES</b>	Three-pole
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be tested
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be tested
<b>RATED UNINTERRUPTED CURRENT (IU)</b>	36 A
<b>SHORT-CIRCUIT RELEASE</b>	Trip block adjustable 5 - 8 x Ir Delayed approx. 60 ms, Trip blocks 75 A - 288 A, Imm, Setting range ± 20% tolerance, Trip blocks
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the instructions in the instruction leaflet (IL) is observed.
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to be tested
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	Does not apply, since the entire switchgear needs to be tested
<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>	1.7 W
<b>OPERATING FREQUENCY</b>	60 Operations/h

<b>VOLTAGE TYPE</b>	Self powered
<b>SHORT-CIRCUIT RELEASE FUNCTION</b>	Delayed
<b>PRODUCT CATEGORY</b>	Accessories
<b>OVERLOAD RELEASE CURRENT SETTING - MIN</b>	15 A
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>	4.9 W
<b>HEAT DISSIPATION CAPACITY PDISS</b>	0 W
<b>RATED OPERATIONAL CURRENT (IE)</b>	36 A
<b>TEMPERATURE COMPENSATION</b>	-25 - 55 °C, Operating range -5 - 40 °C to IEC/EN 60947, VDE 0660
<b>RATED FREQUENCY - MIN</b>	50 Hz
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>OVERLOAD RELEASE CURRENT SETTING - MAX</b>	36 A
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>DEGREE OF PROTECTION</b>	Terminals: IP00 Device: IP20
<b>OVERVOLTAGE CATEGORY</b>	III
<b>RATED FREQUENCY - MAX</b>	60 Hz
<b>AMBIENT STORAGE TEMPERATURE - MAX</b>	80 °C
<b>RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX</b>	690 V
<b>UNDELAYED SHORT-CIRCUIT RELEASE - MIN</b>	75 A
<b>POLLUTION DEGREE</b>	3
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN</b>	0 V
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	6000 V AC
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the devi
<b>FUNCTIONS</b>	Overcurrent protection System protection Short-circuit protection Line and cable protection
<b>PROTECTION TYPE</b>	Electronic release
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.

10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	0 V
UNDELAYED SHORT-CIRCUIT RELEASE - MAX	288 A
SHOCK RESISTANCE	25 g, Mechanical, according to IEC/EN 60068-2-27 shock 10 ms
ALTITUDE	Max. 2000 m

Brochures

Catalogs

Certification reports

Characteristic curve

Declarations of conformity

Drawings

eCAD model

Installation instructions

Installation videos

Manuals and user guides

mCAD model



Eaton is an intelligent power management company dedicated to improving the quality of life and protecting the environment for people everywhere. We are guided by our commitment to do business right, to operate sustainably and to help our customers manage power — today and well into the future. By capitalizing on the global growth trends of electrification and digitalization, we're accelerating the planet's transition to renewable energy and helping to solve the world's most urgent power management challenges.