



PKE ELECTRONIC MOTOR PROTECTION  
CIRCUIT BREAKER  
121728

  
Overview

  
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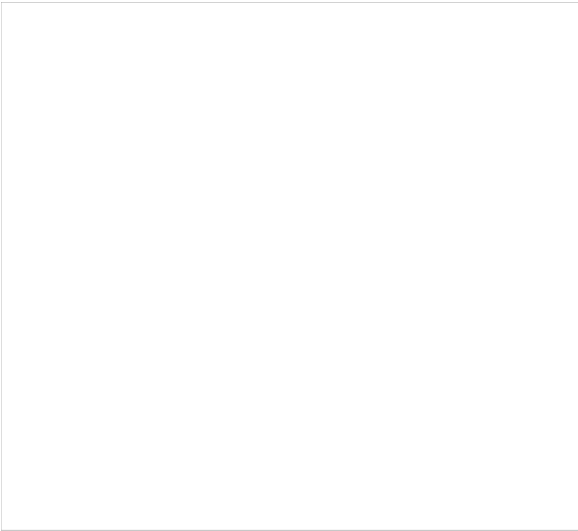


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121728

Eaton Moeller® series PKE Trip block, 1 - 4 A, Motor  
to SmartWire-DT: yes, For use with: PKE12 basic d

How to buy

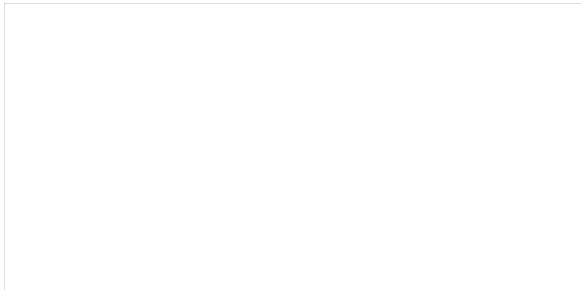


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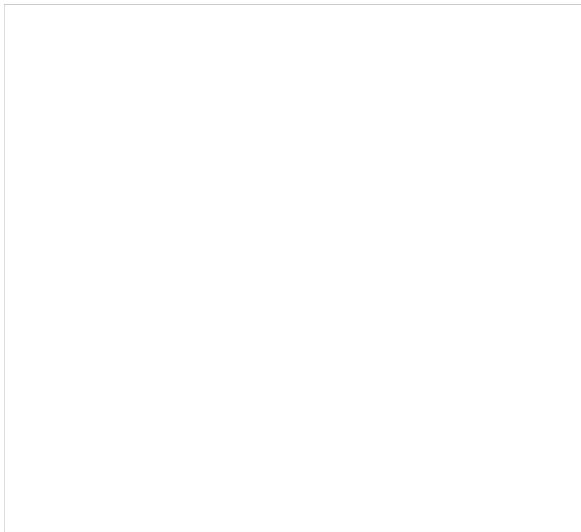


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GENERAL SPECIFICATIONS

General specifications

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PRODUCTNAME Eaton Moeller® series PKE Trip block

CATALOG NUMBER 121728

Product specifications

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MODEL CODE PKE-XTUA-4

EAN 4015081195381

PRODUCT LENGTH/DEPTH 41.6 mm

PRODUCT HEIGHT 64.2 mm

PRODUCT WIDTH 45 mm

PRODUCT WEIGHT 0.086 kg

CERTIFICATIONS

UL 508  
VDE 0660  
CSA Class No.: 3211-05  
UL File No.: E36332  
CE  
UL Category Control No.: NLRV  
IEC/EN 60947-4-1  
UL  
CSA-C22.2 No. 14-10  
IEC/EN 60947  
CSA File No.: 165628  
CSA

PRODUCT SPECIFICATIONS

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN) 4 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

<b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX</b>	40 °C
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>AMBIENT STORAGE TEMPERATURE - MIN</b>	40 °C
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN</b>	0 V
<b>CURRENT FLOW TIMES - MIN</b>	900 (Class 15) AC-4 cycle operation, Main conductors Note: Going below the minimum current flow time of the load (motor). 500 (Class 5) AC-4 cycle operation, Main conductors For all combinations with an SWD activation, you must observe the minimum current flow times and minimum cut-off times. 700 (Class 10) AC-4 cycle operation, Main conductors 1000 (Class 20) AC-4 cycle operation, Main conductors
<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 disconnection actuated from front (EN 50274)
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	55 °C
<b>CLIMATIC PROOFING</b>	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
<b>FEATURES</b>	Phase-failure sensitivity (according to IEC/EN 60947-1 Part 102)
<b>CONNECTION TO SMARTWIRE-DT</b>	Yes In conjunction with PKE-SWD-32 SmartWire DT 1000 In conjunction with PKE-SWD-SP SmartWire DT 1000
<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>	4 A
<b>SHORT-CIRCUIT RELEASE</b>	Trip block fixed 15.5 x Ir ± 20% tolerance, Trip blocks Delayed approx. 60 ms, Trip blocks
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the instructions in the instruction leaflet (IL) is observed.

<b>SWITCHING CAPACITY AT AC-3 (UP TO 690 V)</b>	4 A
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to
<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
<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>	0.2 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>	1 A
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>	0.6 W
<b>HEAT DISSIPATION CAPACITY PDISS</b>	0 W
<b>RATED OPERATIONAL CURRENT (IE)</b>	4 A
<b>TEMPERATURE COMPENSATION</b>	-5 - 40 °C to IEC/EN 60947, VDE 0660 -25 - 55 °C, Operating range
<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>	4 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>	15.5 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</b>	

<b>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 device
<b>FUNCTIONS</b>	Motor protection for heavy starting duty Overload release Motor protection
<b>PROTECTION TYPE</b>	Electronic release
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Meets the product standard's requirements.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX</b>	0 V
<b>UNDELAYED SHORT-CIRCUIT RELEASE - MAX</b>	62 A
<b>SHOCK RESISTANCE</b>	25 g, Mechanical, according to IEC/EN 60068-2-27 shock 10 ms
<b>ALTITUDE</b>	Max. 2000 m

Brochures

Catalogs

Certification reports

Characteristic curve

Declarations of conformity

Drawings

eCAD model

Installation instructions

Installation videos

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Manuals and user guides

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mCAD model

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121728



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.