PKE ELECTRONIC MOTOR PROTECTION CIRCUIT BREAKER

168799

168799

Eaton Moeller® series PKE Trip block, 30 - 65 A, Sy
Connection to SmartWire-DT: yes, For use with: PK

How to buy

General specifications

Product specifications

GENERAL SPECIFICATIONS

PRODUCT NAME	Eaton Moeller® series PKE Trip block
CATALOG NUMBER	168799
MODEL CODE	PKE-XTUACP-65
EAN	4015081652907
PRODUCT LENGTH/DEPTH	84.4 mm
PRODUCT HEIGHT	69.9 mm
PRODUCT WIDTH	55 mm
PRODUCT WEIGHT	0.238 kg
CERTIFICATIONS	IEC/EN 60947 VDE 0660

PRODUCT SPECIFICATIONS

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	65 A
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specificatio 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 specificatio must be observed.
CUT-OUT PERIODS - MIN	≤ 500 ms, main conducting paths, AC-4 cycle opera
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to
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
CURRENT FLOW TIMES - MIN	700 (Class 10) AC-4 cycle operation, Main conduct 1000 (Class 20) AC-4 cycle operation, Main conduc Note: Going below the minimum current flow time of the load (motor). 900 (Class 15) AC-4 cycle operation, Main conduct For all combinations with an SWD activation, you the minimum current flow times and minimum cut- 500 (Class 5) AC-4 cycle operation, Main conductin
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	0 V
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
PROTECTION	Finger and back-of-hand proof, Protection against di actuated from front (EN 50274)
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
CONNECTION TO SMARTWIRE-DT	Yes In conjunction with PKE-SWD-SP SmartWire DT
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	0 V

10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
NUMBER OF POLES	Three-pole
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to
RATED UNINTERRUPTED CURRENT (IU)	65 A
SHORT-CIRCUIT RELEASE	Delayed approx. 60 ms, Trip blocks Trip block adjustable 5 - 8 x Ir 150 - 520 A, Irm, Setting range ± 20% tolerance, Trip blocks
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the inf instruction leaflet (IL) is observed.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	3.1 W
OPERATING FREQUENCY	60 Operations/h
VOLTAGE TYPE	Self powered
SHORT-CIRCUIT RELEASE FUNCTION	Delayed
PRODUCT CATEGORY	Accessories
OVERLOAD RELEASE CURRENT SETTING - MIN	30 A
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	9.3 W
HEAT DISSIPATION CAPACITY PDISS	0 W
RATED OPERATIONAL CURRENT (IE)	65 A
TEMPERATURE COMPENSATION	-5 - 40 °C to IEC/EN 60947, VDE 0660 -25 - 55 °C, Operating range
RATED FREQUENCY - MIN	50 Hz
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.
OVERLOAD RELEASE CURRENT SETTING - MAX	65 A
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
	Terminals: IP00

DEGREE OF PROTECTION	Terminals: IP00 Device: IP20
OVERVOLTAGE CATEGORY	III
RATED FREQUENCY - MAX	60 Hz
AMBIENT STORAGE TEMPERATURE - MAX	80 °C
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	690 V
UNDELAYED SHORT-CIRCUIT RELEASE - MIN	150 A
POLLUTION DEGREE	3
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	0 V
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the devi
FUNCTIONS	Line and cable protection System protection Overcurrent protection Short-circuit protection
PROTECTION TYPE	Electronic release
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	520 A
SHOCK RESISTANCE	15 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

168799

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.