PKE ELECTRONIC MOTOR PROTECTION CIRCUIT BREAKER

138260

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Eaton Moeller® series PKE Trip block, 16 - 65 A, M
to SmartWire-DT: yes, For use with: PKE65 basic d

How to buy

General specifications ›

Product specifications ›

GENERAL SPECIFICATIONS

PRODUCT NAME	Eaton Moeller® series PKE Trip block
CATALOG NUMBER	138260
MODEL CODE	PKE-XTUA-65
EAN	4015081350407
PRODUCT LENGTH/DEPTH	84.4 mm
PRODUCT HEIGHT	69.9 mm
PRODUCT WIDTH	55 mm
PRODUCT WEIGHT	0.238 kg

UL File No.: E36332
CSA File No.: 165628
CE
CSA Class No.: 3211-05
UL Category Control No.: NLRV

CERTIFICATIONS	IEC/EN 60947-4-1 UL 508 CSA-C22.2 No. 14-10 VDE 0660 UL CSA IEC/EN 60947

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	1000 (Class 20) AC-4 cycle operation, Main conduc 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 900 (Class 15) AC-4 cycle operation, Main conduct 700 (Class 10) AC-4 cycle operation, Main conduct Note: Going below the minimum current flow time of the load (motor).
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
FEATURES	Phase-failure sensitivity (according to IEC/EN 6094 Part 102)
CONNECTION TO SMARTWIRE-DT	In conjunction with PKE-SWD-SP SmartWire DT Yes
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	Trip block fixed 15.5 x Ir ± 20% tolerance, Trip blocks Delayed approx. 60 ms, Trip blocks
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the inf instruction leaflet (IL) is observed.
SWITCHING CAPACITY AT AC-3 (UP TO 690 V)	65 A
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	16 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.
DEGREE OF PROTECTION	Device: IP20 Terminals: IP00
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	192 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	Motor protection for heavy starting duty Overload release Motor 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	780 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

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