DATASHEET - PKE-XTU-12

Trip block, 3 - 12 A, Motor protection, Connection to SmartWire-DT: no, For use with: PKE12 basic device, PKE32 basic device



Part no.	PKE-XTU-12
	121725
EL Number	4355184

(Norway) **General specifications** Eaton Moeller® series PKE Trip block Product name PKE-XTU-12 Part no. 4015081195350 FAN 41.6 millimetre Product Length/Depth Product height 64.2 millimetre Product width 45 millimetre 0.086 kilogram Product weight Compliances CE Marked Certifications IEC 60947-4-1 EN 60947-4-1 CSA Std. C22.2 No. 14-10 UL 508 VDE CSA-C22.2 No. 14-10 CE UL IEC/EN 60947 UL Category Control No.: NLRV CSA File No.: 165628 VDE 0660 UL File No.: E36332 CSA Class No.: 3211-05 IEC/EN 60947-4-1 CSA Product Tradename PKE Product Type Accessory Product Sub Type Trip block **Catalog Notes** Also suitable for motors with efficiency class IE3. IE3-ready devices are identified by the logo on their packaging. **Features & Functions** Features Phase-failure sensitivity (according to IEC/EN 60947-4-1, VDE 0660 Part 102) Functions Motor protection Overload release Motor protection for heavy starting duty Number of poles Three-pole **General information** Current flow times - min Note: Going below the minimum current flow time can cause overheating of the load (motor). 500 (Class 5) AC-4 cycle operation, Main conducting paths For all combinations with an SWD activation, you need not adhere to the minimum current flow times and minimum cut-out periods. 700 (Class 10) AC-4 cycle operation, Main conducting paths 1000 (Class 20) 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

Operating frequency

Overload release current setting - min Overload release current setting - max

Pollution degree Product category Protection

Overvoltage category

Rated impulse withstand voltage (Uimp)

Temperature compensation

01/20/2024

Terminals: IP00

Device: IP20 60 Operations/h

Accessories

6000 V AC

from front (EN 50274)

-5 - 40 °C to IEC/EN 60947, VDE 0660

Finger and back-of-hand proof, Protection against direct contact when actuated

3 A

12 A

ш

3

	-25 - 55 °C, Operating range
Used with	PKE12 and PKE32 basic devices
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 ℃
Ambient operating temperature (enclosed) - min	25 ℃
Ambient operating temperature (enclosed) - max	40 °C
Ambient storage temperature - min	40°C
Ambient storage temperature - max	80 °C
Climatic proofing	Damp heat, constant, to IEC 60068-2-78
omnade prooming	Damp heat, cyclic, to IEC 60068-2-30
Electrical rating	
Rated frequency - min	50 Hz
Rated frequency - max	60 Hz
Rated operational current (le)	12 A
Rated operational voltage (Ue) at AC - max	690 V
Rated uninterrupted current (Iu)	12 A
Short-circuit rating	
Short-circuit release	± 20% tolerance, Trip blocks Delayed approx. 60 ms, Trip blocks Trip block fixed 15.5 x Ir
Switching capacity	
Switching capacity at AC-3 (up to 690 V)	12 A
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 Pvid	0.9 W
Heat dissipation capacity Pdiss	0 W
Heat dissipation per pole, current-dependent Pvid	0.3 W
Rated operational current for specified heat dissipation (In)	12 A
Static heat dissipation, non-current-dependent Pvs	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)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Releasing block for circuit breakers (ecl@ss13-27-37-04-10 [AKF008018])

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	Operating voltage AC 60 Hz	V
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	Width	mm 45
Height mm 64.2	Height	mm 64.2
Depth mm 41.6	Depth	mm 41.6