

Trip block, 1 - 4 A, Motor protection, Connection to SmartWire-DT: no, For use with: PKE12 basic device, PKE32 basic device

**Part no. PKE-XTU-4
121724**

Product name	Eaton Moeller® series PKE Accessory Trip block
Part no.	PKE-XTU-4
EAN	4015081195343
Product Length/Depth	41.6 millimetre
Product height	64.2 millimetre
Product width	45 millimetre
Product weight	0.086 kilogram
Compliances	CE Marked
Certifications	UL 508 EN 60947-4-1 CSA Std. C22.2 No. 14-10 IEC 60947-4-1 VDE UL Category Control No.: NLRV CE CSA-C22.2 No. 14-10 VDE 0660 UL IEC/EN 60947 UL File No.: E36332 CSA CSA File No.: 165628 IEC/EN 60947-4-1 CSA Class No.: 3211-05
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	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
Current flow times - min	For all combinations with an SWD activation, you need not adhere to the minimum current flow times and minimum cut-out periods. Note: Going below the minimum current flow time can cause overheating of the load (motor). 1000 (Class 20) AC-4 cycle operation, Main conducting paths 700 (Class 10) AC-4 cycle operation, Main conducting paths 900 (Class 15) AC-4 cycle operation, Main conducting paths 500 (Class 5) AC-4 cycle operation, Main conducting paths
Cut-out periods - min	≤ 500 ms, main conducting paths, AC-4 cycle operation
Degree of protection	Device: IP20 Terminals: IP00
Operating frequency	60 Operations/h
Overload release current setting - min	1 A
Overload release current setting - max	4 A
Overvoltage category	III
Pollution degree	3
Product category	Accessories
Protection	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)
Rated impulse withstand voltage (Uimp)	6000 V AC
Temperature compensation	-5 - 40 °C to IEC/EN 60947, VDE 0660 -25 - 55 °C, Operating range
Used with	PKE12 and PKE32 basic devices

Voltage type			Self powered
Shock resistance			25 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms
Altitude			Max. 2000 m
Ambient operating temperature - min			-25 °C
Ambient operating temperature - max			55 °C
Ambient operating temperature (enclosed) - min			25 °C
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 Damp heat, cyclic, to IEC 60068-2-30
Rated frequency - min			50 Hz
Rated frequency - max			60 Hz
Rated operational current (Ie)			4 A
Rated operational voltage (Ue) at AC - max			690 V
Rated uninterrupted current (Iu)			4 A
Short-circuit release			Delayed approx. 60 ms, Trip blocks Trip block fixed 15.5 x I _r ± 20% tolerance, Trip blocks
Switching capacity at AC-3 (up to 690 V)			4 A
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
Connection to SmartWire-DT			No
Equipment heat dissipation, current-dependent P _{vid}			0.6 W
Heat dissipation capacity P _{diss}			0 W
Heat dissipation per pole, current-dependent P _{vid}			0.2 W
Rated operational current for specified heat dissipation (I _n)			4 A
Static heat dissipation, non-current-dependent P _{vs}			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 8.0

Low-voltage industrial components (EG000017) / Tripping bloc for power circuit-breaker (EC000617)			
Tecnología electrónica, de automatización y de mando de procesos / Tecnología de conmutación de baja tensión / Interruptor de potencia, interruptor de potencia (baja tensión) / Bloque disyuntor para interruptor de potencia (ecl@ss10.0.1-27-37-04-10 [AKF008013])			
Overload release current setting		A	1 - 4
Initial value of the undelayed short-circuit release - setting range		A	15.5
End value adjustment range undelayed short-circuit release		A	62
Rated permanent current I _u		A	4
Voltage type for actuating			Self powered
Rated control supply voltage U _s at AC 50HZ		V	0 - 0
Rated control supply voltage U _s at AC 60HZ		V	0 - 0
Rated control supply voltage U _s at DC		V	0 - 0
Number of poles			3
Short-circuit release function			Delayed
With ground fault protection function			No
Type of motor protection			Electronic release