

Auxiliary contact, operates as an early-make contact, 2N/O early



Part no. VHI20-PKZ0
203595
EL Number 4315166
(Norway)

General specifications		
Product name		Eaton Moeller® series PKZ0 Accessory Auxiliary contact
Part no.		VHI20-PKZ0
EAN		4015082035952
Product Length/Depth		40 millimetre
Product height		44 millimetre
Product width		45 millimetre
Product weight		0.029 kilogram
Certifications		CSA-C22.2 No. 14 IEC/EN 60947-4-1 CE UL CSA UL File No.: E36332 CSA File No.: 165628 UL Category Control No.: NLRV CSA Class No.: 3211-05 UL 508
Product Tradename		PKZ0
Product Type		Accessory
Product Sub Type		Auxiliary contact
Catalog Notes		For the premature voltage application of the U-release, e.g. in EMERGENCY STOP circuits according to EN 60204.
Features & Functions		
Electric connection type		Screw connection
General information		
Lifespan, electrical		100,000 Operations
Lifespan, mechanical		100,000 Operations
Model		Top mounting
Mounting method		Front fastening
Overvoltage category		III
Pollution degree		3
Product category		Accessories
Rated impulse withstand voltage (Uimp)		4000 V AC
Used with		Motor protective circuit-breaker PKZ0-X(R)H(-M),MSC-... and PKZM0-X...M12
Climatic environmental conditions		
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		55 °C
Terminal capacities		
Terminal capacity (solid/flexible with ferrule)		0.75 - 1.5 mm²
Terminal capacity (solid/stranded AWG)		18 - 16
Electrical rating		
Rated operational current (Ie) at AC-15, 220 V, 230 V, 240 V		1 A
Rated operational current (Ie) at DC-13, 24 V		2 A
Rated operational voltage (Ue) at AC - max		440 V
Rated operational voltage (Ue) at DC - max		250 V
Safe isolation		440 V, Between auxiliary contacts and main contacts, According to EN 61140
Short-circuit protection rating without welding		10 A gG/gL, Fuse, Auxiliary contacts
Switching capacity		
Switching capacity (auxiliary contacts, general use)		0.5 A, 300 V AC, (UL/CSA)

Switching capacity (auxiliary contacts, pilot duty)			E150, AC operated (UL/CSA)
Communication			
Connection type			Screw connection
Contacts			
Control circuit reliability			< 2 λ, < 1 failure at 100,000,000 Operations (at U# = 24 V DC, Umin = 17 V, Imin = 5.4 mA)
Number of contacts (change-over contacts)			0
Number of contacts (normally closed contacts)			0
Number of contacts (normally open contacts)			2
Design verification			
Equipment heat dissipation, current-dependent Pvid			0 W
Heat dissipation capacity Pdis			0 W
Heat dissipation per pole, current-dependent Pvid			0.03 W
Rated operational current for specified heat dissipation (In)			1 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) / Auxiliary contact block (EC000041)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block (ec1@ss13-27-37-13-02 [AKN342018])			
Number of contacts as change-over contact			0
Number of contacts as normally open contact			2
Number of contacts as normally closed contact			0
Number of fault-signal switches			0
Rated operation current Ie at AC-15, 230 V		A	1
Type of electric connection			Screw connection
Model			Clip-on
Mounting method			Front fastening
Lamp holder			None