

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

**Part no.** VHI20-PKZ0  
**203595**

**EL Number**  
**(Norway)** 4315166

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 mm <sup>2</sup>
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)
<b>Communication</b>		
Connection type		Screw connection
<b>Contacts</b>		
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
<b>Design verification</b>		
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 (ecI@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