DATASHEET - VHI20-PKZ01

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

Part no.	**VHI20-PKZ01**
	278495
EL Number (Norway)	**4365078**

Product name	Eaton Moeller® series PKZ01 Accessory Auxiliary contact
Part no.	VHI20-PKZ01
EAN	4015082784959
Product Length/Depth	28 millimetre
Product height	40 millimetre
Product width	45 millimetre
Product weight	0.021 kilogram
Certifications	UL Category Control No.: NLRV UL File No.: E36332 CE CSA Class No.: 3211-05 CSA File No.: 165628 CSA UL CSA-C22.2 No. 14 UL 508 IEC/EN 60947-4-1
Product Tradename	PKZ01
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.
Electric connection type	Screw connection
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
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	55 °C
Terminal capacity (solid/flexible with ferrule)	0.75 - 1.5 mm^2
Terminal capacity (solid/stranded AWG)	18 - 16
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 (auxiliary contacts, general use)	0.5 A, 300 V AC, (UL/CSA)
Switching capacity (auxiliary contacts, pilot duty)	E150, AC operated (UL/CSA)

Connection type			Screw connection
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
Equipment heat dissipation, current-dependent Pvid			0 W
Heat dissipation capacity Pdiss			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 8.0

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 (ecl@ss10.0.1-27-37-13-02 [AKN342013])			
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			Top mounting
Mounting method			Front fastening
Lamp holder			None

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