## Shunt release PKZ0(4), PKE, DC, 24 V DC, Screw terminals



Part no. A-PKZ0(24VDC)

073200

**EL Number** 4355135

(Norway)

(NOI Way)	
Product name	Eaton Moeller® series A-PKZO Accessory Shunt release
Part no.	A-PKZ0(24VDC)
EAN .	4015080732006
Product Length/Depth	68 millimetre
Product height Product width	90 millimetre
	24 millimetre
Product weight	0.126 kilogram
Certifications	CSA File No.: 165628 CE CSA UL 508 CSA Class No.: 3211-05 CSA-C22.2 No. 14 UL IEC/EN 60947-4-1 UL File No.: E36332 UL Category Control No.: NLRV
Product Tradename	A-PKZ0
Product Type	Accessory
Product Sub Type	Shunt release
Catalog Notes	Cannot be combined with U-PKZO undervoltage release Cannot be combined with undervoltage release U-PKZO
Electric connection type	Screw connection
Product category	Accessories
Suitable for	Motor safety switch
Used with	Motor protective circuit-breaker
Voltage type	DC
Mounting position	Can be fitted to left side of the motor protection switch
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	55 °C
Terminal capacity (solid/flexible with ferrule)	2 x (0.75 - 2.5) mm <sup>2</sup> 1 x (0.75 - 2.5) mm <sup>2</sup>
Terminal capacity (solid/stranded AWG)	1 x (18 - 14) 2 x (18 - 14)
Operational voltage	0.7-1.1 x Us (DC) Short-time operation 5 s 0.7 - 1.1 x Us (AC)
Rated operational voltage (Ue) at AC - min	42 V
Rated operational voltage (Ue) at AC - max	480 V
Rated operational voltage (Ue) at DC - min	24 V
Rated operational voltage (Ue) at DC - max	250 V
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

provide heat dissipation data for the devices.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must observed.	Rated control supply voltage (Us) at DC - max	24 V
Number of contacts (normally closed contacts)  Power consumption (pick-up) at DC  Power consumption (pick-up) at DC  Power consumption (sealing) at DC  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  DV  Reted operational current for specified heat dissipation (ln)  Static heat dissipation, non-current-dependent Pvid  DV  Reted operational current for specified heat dissipation (ln)  Static heat dissipation, non-current-dependent Pvs  10.2.2 Cornosion resistance  Meets the product standard's requirements.  10.2.3.1 Verification of themal stability of enclosures  10.2.3.2 Verification of themal stability of enclosures  10.2.3.2 Verification of themal stability of enclosures  10.2.3.2 Verification of themal stability of enclosures  10.2.3.3 Verification of themal stability of enclosures  10.2.3.4 Resistance to unit a violet (UV) radiation  10.2.5 Lifting  10.3 Degree of protection of assemblies  10.3 Degree of protection of assemblies  10.3 Degree of protection of assemblies  10.4 Clearances and creepage distances  10.5 Protection of assemblies  10.5 Protection of assemblies  10.6 Son not apply, since the entries avitchpear needs to be evaluated.  10.6 Incorporation of switching devices and components  10.7 Internal electric directus and commercions  10.8 Connections for external conductors  10.9 Lifting and externa	Number of contacts (change-over contacts)	0
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10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  10 be evaluated.  10 be not apply, since the entire switchgear needs to be evaluated.  10 be evaluated.  10 be not apply, since the entire switchgear needs to be evaluated.  10 be evaluated.  10 be evaluated.  10 be evaluated.  11 Is the panel builder's responsibility.  12 Is the panel builder's responsibility.  13 Is the panel builder's responsibility.  14 Is the panel builder is responsibility.  15 Is the panel builder is responsibility.  16 Is the panel builder is responsibility. The specifications for the switchgear must observed.  17 Is the panel builder's responsibility. The specifications for the switchgear must observed.  18 Is the panel builder's responsibility. The specifications for the switchgear must observed.  19 Is the panel builder's responsibility. The specifications for the switchgear must observed.	10.2.7 Inscriptions	Meets the product standard's requirements.
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 responsibility.  10.11 Short-circuit rating  Is the panel builder is responsibility. The specifications for the switchgear must observed.  10.12 Electromagnetic compatibility  The device meets the requirements, provided the information in the instruction	10.3 Degree of protection of assemblies	Does not apply, since the entire switchgear needs to be evaluated.
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 responsibility.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.12 Electromagnetic compatibility  The device meets the requirements, provided the information in the instruction	10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.7 Internal electrical circuits and connections  1s the panel builder's responsibility.  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  1s the panel builder's responsibility.  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  1s the panel builder's responsibility.  1s the panel builder's responsibility.  The panel builder is responsibility.  The panel builder is responsibility.  Is the panel builder is responsibility.  Is the panel builder's responsibility. The specifications for the switchgear must observed.  The device meets the requirements, provided the information in the instruction	10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.8 Connections for external conductors  1 Is the panel builder's responsibility.  10.9.2 Power-frequency electric strength  1 Is the panel builder's responsibility.  10.9.3 Impulse withstand voltage  1 Is the panel builder's responsibility.  10.9.4 Testing of enclosures made of insulating material  1 Is the panel builder's responsibility.  10.10 Temperature rise  1 The panel builder is responsibile for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.  10.11 Short-circuit rating  1 Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.12 Electromagnetic compatibility  1 Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.13 Mechanical function  1 The device meets the requirements, provided the information in the instruction	10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.13 Mechanical function  10.14 Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.15 the panel builder's responsibility. The specifications for the switchgear must observed.  10.15 the panel builder's responsibility. The specifications for the switchgear must observed.  10.15 the panel builder's responsibility. The specifications for the switchgear must observed.  10.16 device meets the requirements, provided the information in the instruction	10.7 Internal electrical circuits and connections	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 observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  The panel builder is responsibility.  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 observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.9.2 Power-frequency electric strength	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 observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
provide heat dissipation data for the devices.  10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.13 Mechanical function The device meets the requirements, provided the information in the instruction	10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
observed.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must b 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) / Shunt release (for power circuit breaker) (EC001023)					
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Full load current trip (ecl@ss10.0.1-27-37-04-18 [AKF016013])					
Rated control supply voltage Us at AC 50HZ		V	0 - 0		
Rated control supply voltage Us at AC 60HZ		V	0 - 0		
Rated control supply voltage Us at DC		V	24 - 24		
Voltage type for actuating			DC		
Initial value of the undelayed short-circuit release - setting range		Α	0		
End value adjustment range undelayed short-circuit release		Α	0		
Type of electric connection			Screw connection		
Number of contacts as normally open contact			0		
Number of contacts as normally closed contact			0		
Number of contacts as change-over contact			0		
Suitable for power circuit breaker			No		
Suitable for off-load switch			No		
Suitable for motor safety switch			Yes		
Suitable for overload relay			No		