

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



Part no. U-PKZ0(24VDC)
157862
EL Number 4315165
(Norway)

General specifications		
Product name		Eaton Moeller® series U-PKZ0 Accessory Undervoltage Release
Part no.		U-PKZ0(24VDC)
EAN		4015081544523
Product Length/Depth		68 millimetre
Product height		90 millimetre
Product width		24 millimetre
Product weight		0.137 kilogram
Certifications		UL File No.: E36332 UL CSA Class No.: 3211-05 CSA File No.: 165628 IEC/EN 60947-4-1 UL 508 CSA-C22.2 No. 14 CE UL Category Control No.: NLRV CSA
Product Tradename		U-PKZ0
Product Type		Accessory
Product Sub Type		Undervoltage Release
Catalog Notes		Cannot be combined with A-PKZ0 shunt release Cannot be combined with shunt release A-PKZ0
Features & Functions		
Electric connection type		Screw connection
General information		
Mounting position		Can be fitted to left side of the motor protection switch
Product category		Accessories
Suitable as		EMERGENCY STOP or EMERGENCY switching-off device in accordance with IEC/EN 60204 when combined with circuit breaker
Suitable for		Motor safety switch
Used with		Motor protective circuit-breaker
Voltage type		DC
Climatic environmental conditions		
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		55 °C
Terminal capacities		
Terminal capacity (solid/flexible with ferrule)		2 x (0.75 - 2.5) mm ² 1 x (0.75 - 2.5) mm ²
Terminal capacity (solid/stranded AWG)		1 x (18 - 14) 2 x (18 - 14)
Electrical rating		
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
Magnet system		
Drop-out voltage		0,7- 0,35 x Uc
Pick-up voltage		0.85 - 1.1 V x Uc
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		24 V
Contacts		
Number of contacts (change-over contacts)		0
Number of contacts (normally closed contacts)		0
Number of contacts (normally open contacts)		0
Power consumption		
Power consumption (pick-up) at DC		3 W
Power consumption (sealing) at DC		0.5 W
Design verification		
Equipment heat dissipation, current-dependent Pvid		0 W
Heat dissipation capacity Pdis		0 W
Heat dissipation per pole, current-dependent Pvid		0 W
Rated operational current for specified heat dissipation (In)		0 A
Static heat dissipation, non-current-dependent Pvs		0.5 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) / Under voltage coil (EC001022)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Undervoltage trip (ecl@ss13-27-37-04-17 [AKF015018])		
Rated control supply voltage AC 50 Hz	V	0 - 0
Rated control supply voltage AC 60 Hz	V	0 - 0
Rated control supply voltage DC	V	0 - 24
Voltage type for actuating		DC
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
Delayed		No
Suitable for power circuit breaker		No
Suitable for off-load switch		No

Suitable for motor safety switch		Yes
Suitable for overload relay		No