



Undervoltage release, 24 V DC

Part no.

Catalog No.

Alternate Catalog No.

EL-Nummer (Norway)

U-PKZ0(24VDC)

157862

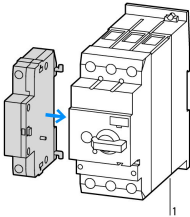
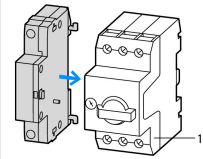
XTPAXUVR24VDC

4315165

Delivery program

Product range		Accessories
Accessories		Undervoltage release
Actuating voltage		24 V DC
Voltage type		Standard voltage
Current actuation		DC
Contact sequence		<div>D1</div> <div></div> <div>D2</div>
Connection technique		Screw terminals
For use with		Undervoltage release PKZ0(4), PKE
For use with		PKZM0 PKZM4 PKZM0-T PKM0 PKZM01 PKE

Notes



1 Motorschutzschalter

**Notes** Can be fitted to the left of:  
Motor protective circuit-breaker  
Cannot be combined with:  
A-PKZ0 shunt release  
When combined with circuit-breaker can be used as emergency switching-off device according to EN 60204.

**Notes** Can be fitted to left side of the motor protection switch  
Cannot be combined with shunt release A-PKZ0  
When combined with circuit breaker, can be used as EMERGENCY STOP device in accordance with IEC/EN 60204

Technical data

General		
Terminal capacities	mm <sup>2</sup>	
Solid or flexible conductor, with ferrule	mm <sup>2</sup>	1 x (0,75 - 2,5) 2 x (0,75 - 2,5)
	AWG	1 x (18 - 14)

			2 x (18 - 14)
Actuating voltage			24 V DC
<b>Pick-up-/drop-out voltage</b>			
Pick-up voltage		x U <sub>c</sub>	0,85 - 1,1
Drop-out voltage		x U <sub>c</sub>	0,7- 0,35
<b>Power consumption</b>			
DC current			
Pull-in power	Pick-up	W	3
Sealing power	Sealing	W	0.5

## Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I <sub>n</sub>	A	0
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	0.5
Heat dissipation capacity	P <sub>diss</sub>	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties			
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 7.0

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@ss10.0.1-27-37-04-17 [AKF015013])			
Rated control supply voltage U <sub>s</sub> at AC 50HZ		V	0 - 0
Rated control supply voltage U <sub>s</sub> at AC 60HZ		V	0 - 0
Rated control supply voltage U <sub>s</sub> at DC		V	0 - 24
Voltage type for actuating			DC
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

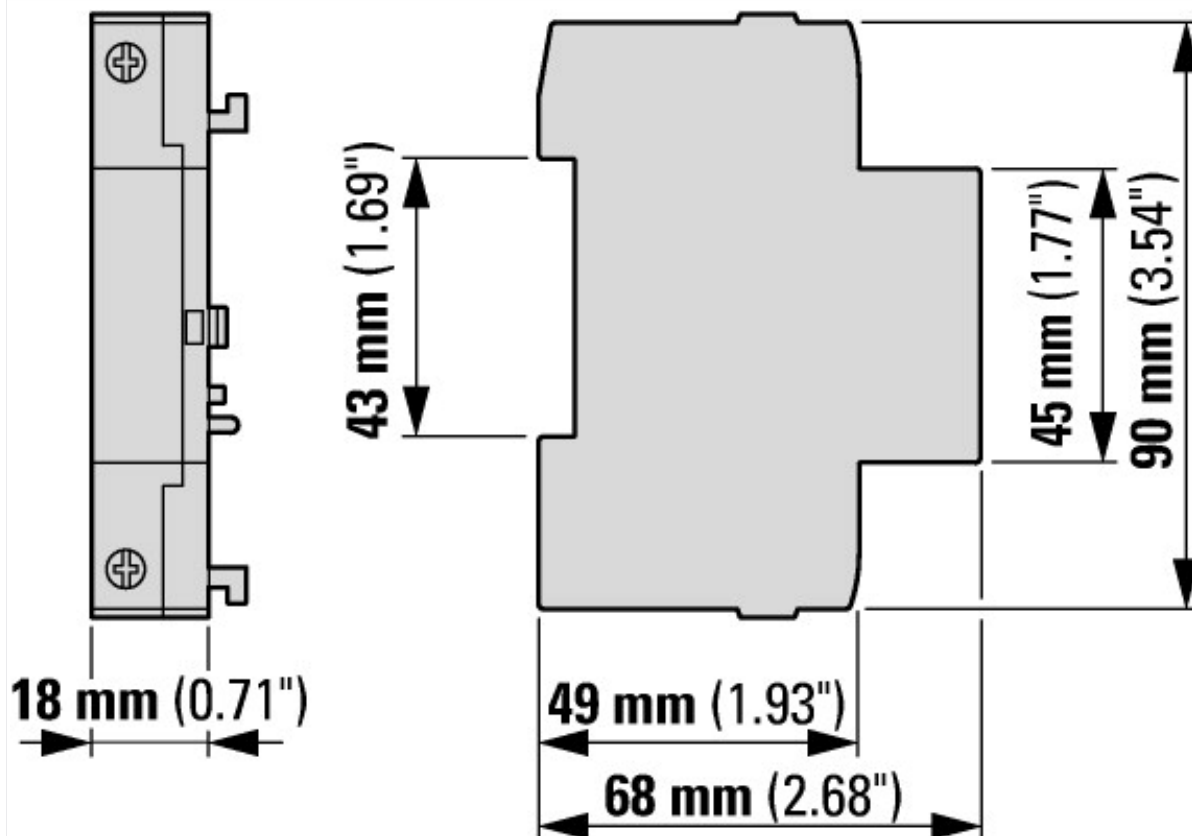
### Approvals

Product Standards		UL 508; CSA-C22.2 No. 14; IEC60947-4-1; CE marking
UL File No.		E36332
UL Category Control No.		NLRV
CSA File No.		165628
CSA Class No.		3211-05
North America Certification		UL listed, CSA certified
Specially designed for North America		No

### Characteristics

1: Motor-protective circuit-breakers

## Dimensions



## Assets (links)

[Declaration of CE Conformity](#)

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[Instruction Leaflets](#)

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