DATASHEET - +U-PKZ0(400V50HZ)

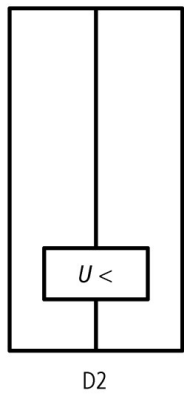**Undervoltage release, 400 V 50 Hz, Standard voltage, AC, Screw terminals, For use with: Undervoltage release PKZ0(4), PKE**

Part no.	**+U-PKZ0(400V50HZ)**
Catalog No.	**073257**
Alternate Catalog No.	-

Delivery program

Product range	Accessories
Accessories	Undervoltage release
Actuating voltage	400 V 50 Hz
Voltage type	Standard voltage
Current actuation	AC
Contact sequence	
Connection technique	Screw terminals
For use with	Undervoltage release PKZ0(4), PKE
For use with	PKZM0 PKZM4 PKZM0-T PKM0 PKZM01 PKE
	When ordered with basic unit

Notes
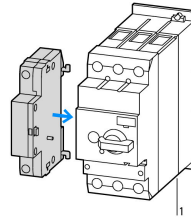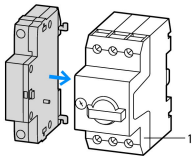
1 Motorschutzschalter

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^2	
Solid or flexible conductor, with ferrule		mm^2	1 x (0,75 - 2,5)

			2 x (0,75 - 2,5)
Solid or stranded		AWG	1 x (18 - 14) 2 x (18 - 14)
Actuating voltage			400 V 50 Hz
Pick-up-/drop-out voltage			
Pick-up voltage		x U_c	0,85 - 1,1
Drop-out voltage		x U_c	0,7- 0,35
Power consumption			
AC			
Pull-in power	Pick-up	VA	5
Sealing power	Sealing	VA	3

Design verification as per IEC/EN 61439

| Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	0
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	0
Static heat dissipation, non-current-dependent	P_{vs}	W	0.5
Heat dissipation capacity	P_{diss}	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 Us at AC 50HZ		V	400 - 400
Rated control supply voltage Us at AC 60HZ		V	0 - 0
Rated control supply voltage Us at DC		V	0 - 0
Voltage type for actuating			AC

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
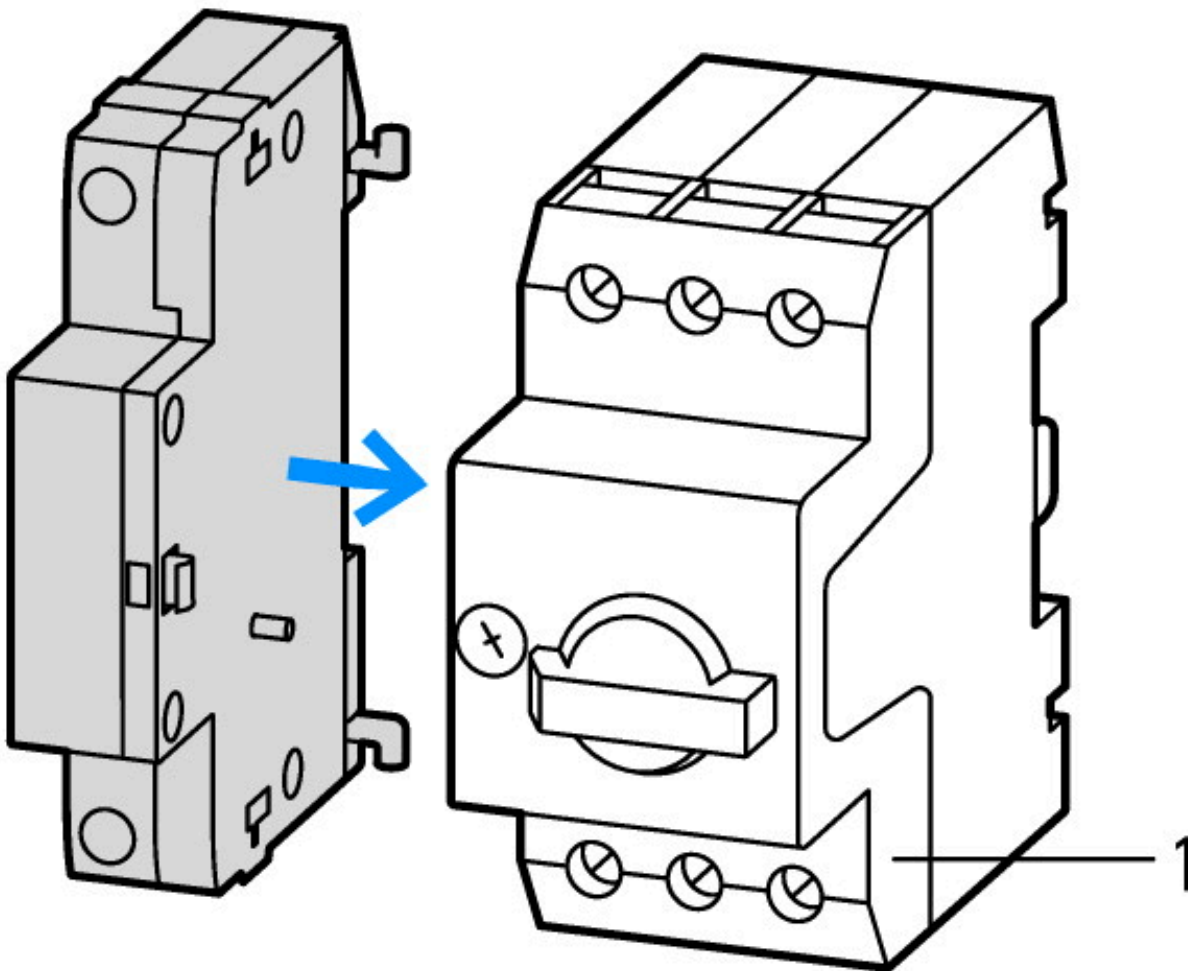
1: Motor-protective circuit-breakers

Dimensions

43 mm (1.69")

18 mm (0.71")

45 mm (1.77")

90 mm (3.54")

49 mm (1.93")

68 mm (2.68")
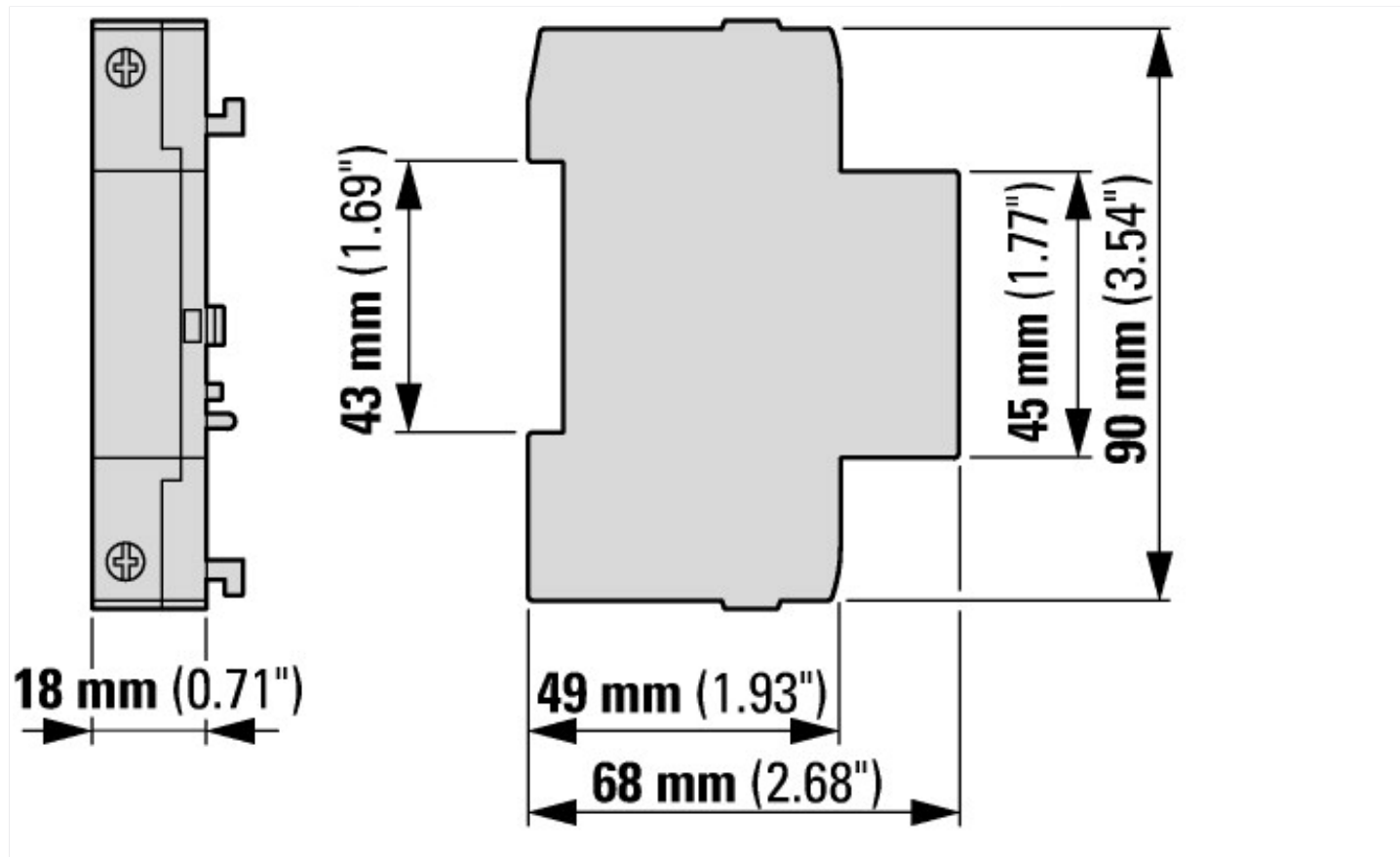
Assets (links)

Instruction Leaflets
IL03407011Z2018_04

Additional product information (links)

IL03407011Z (AWA1210-1925) Motor-protective circuit-breaker	
IL03407011Z (AWA1210-1925) Motor-protective circuit-breaker	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03407011Z2018_04.pdf
IL03402034Z (AWA121-1945) Motor-protective circuit-breaker, Starter	
IL03402034Z (AWA121-1945) Motor-protective circuit-breaker, Starter	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402034Z2018_06.pdf
Motor starters and "Special Purpose Ratings" for the North American market	http://www.eaton.eu/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_3258146.pdf
Busbar Component Adapters for modern Industrial control panels	http://www.moeller.net/binary/ver_techpapers/ver960en.pdf