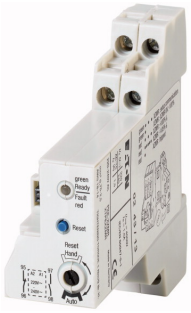
DATASHEET - PKE-XZMR(230V50HZ)

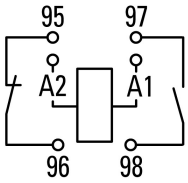


Overload relay function, 230 V 50Hz

Part no.	**PKE-XZMR(230V50HZ)**
Catalog No.	**173416**
Alternate Catalog No.	**XTPEXZMRF**
EL-Nummer (Norway)	**4315147**

Powering Business Worldwide™

Delivery program

Product range			Accessories
Accessories			Overload relay function
			Can be mounted on the right side of PKE motor-protective circuit-breakers with advanced PKE-XTU…A… trip blocks Overload relay function: the motor-protective circuit-breaker will not trip in the event of an overload. 1 N/O: for trip indication 1 N/C: for switching off the contactor Status display via LED. Adjustable manual/auto reset. External control voltage supply required.
Actuating voltage			230 V 50 Hz
For use with			Overload relay function PKE
Contacts			
N/O = Normally open			1 N/O
N/C = Normally closed			1 NC
Contact sequence			
For use with			PKE12 PKE32 PKE65 with XTUA trip block with release 04 and higher

Technical data

Auxiliary contacts

Rated impulse withstand voltage	U_{imp}	V AC	6000
Overvoltage category/pollution degree			III/3
Rated operational voltage	U_e	V	
	U_e	V AC	500
Safe isolation to EN 61140			
Between auxiliary contacts and main contacts		V AC	690
Rated operational current	I_e	A	
AC-15			
220 - 240 V	I_e	A	1.5
Lifespan		S	
Lifespan, mechanical	Operations	x 10^6	> 5
Lifespan, electrical	Operations	x 10^6	0.2
Short-circuit rating without welding			
Fuse		A gG/gL	6

Terminal capacities

Solid or flexible conductor, with ferrule		mm^2	0,75 - 2,5
ein- oder mehrdrähtig		AWG	18 - 14

Operating range

Actuating voltage			230 V 50 Hz
Alternating voltage		x U_S	0.8 - 1.1

Power consumption

AC			
Pull-in power	Pick-up	VA	1.7

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	1.5
Heat dissipation per pole, current-dependent	P_{vid}	W	0.017
Static heat dissipation, non-current-dependent	P_{vs}	W	0.54
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

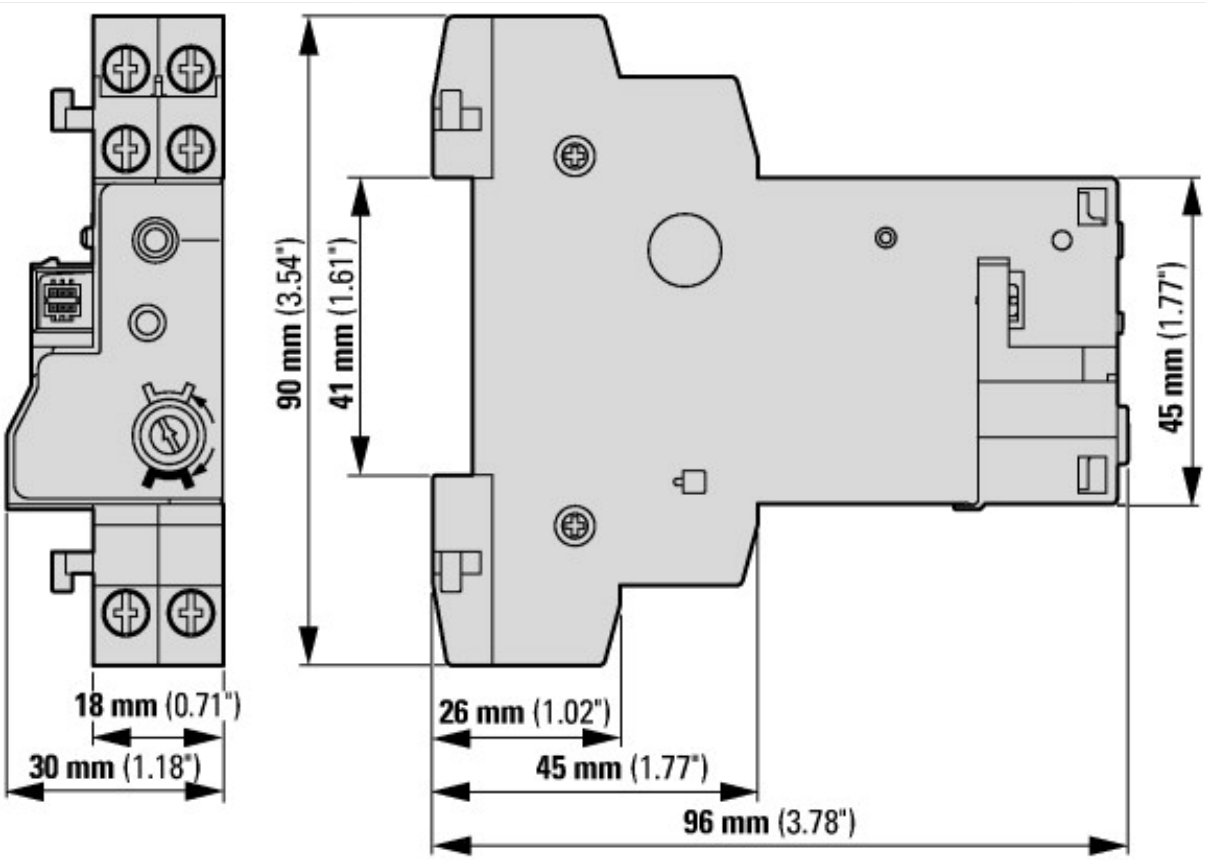
Low-voltage industrial components (EG000017) / Electronic overload relay (EC001080)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Overload protection device / Electronic overload relay (ecl@ss10.0.1-27-37-15-02 [AKF076014])			
Adjustable current range		A	0 - 0
Mounting method			Direct attachment
Type of electrical connection of main circuit			Other
Number of auxiliary contacts as normally closed contact			1
Number of auxiliary contacts as normally open contact			1
Number of auxiliary contacts as change-over contact			0
Rated control supply voltage Us at AC 50HZ		V	230 - 230
Rated control supply voltage Us at AC 60HZ		V	0 - 0
Rated control supply voltage Us at DC		V	0 - 0
Release class			Other
Voltage type for actuating			AC
Reset function automatic			Yes

Reset function input		No
Reset function push-button		Yes

Approvals

Specially designed for North America		No

Dimensions



Assets (links)

Declaration of CE Conformity

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Instruction Leaflets

IL034007ZU2018_05