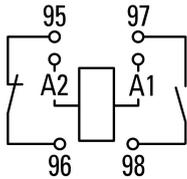




**Overload relay function, 24 V DC**

**Part no.** PKE-XZMR(24VDC)  
**Catalog No.** 173425  
**Alternate Catalog No.** XTPEXZMRTD  
**EL-Nummer (Norway)** 4315148

**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		24 V DC
For use with		Overload relay function PKE
<b>Contacts</b>		
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 DC	250
Safe isolation to EN 61140			
	Between auxiliary contacts and main contacts	V AC	690
Rated operational current	$I_e$	A	
	DC-13 L/R - 100 ms		
24 V	$I_e$	A	1.5
Lifespan		S	
	Lifespan, mechanical	Operations	$\times 10^6$ > 5
Lifespan, electrical	Operations	$\times 10^6$	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		24 V DC
DC Voltage	$\times U_S$	0.8 - 1.1

## Power consumption

DC current			
Pull-in power	Pick-up	W	0.5

## 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
Equipment heat dissipation, current-dependent	$P_{vid}$	W	0
Static heat dissipation, non-current-dependent	$P_{vs}$	W	0.61
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			
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

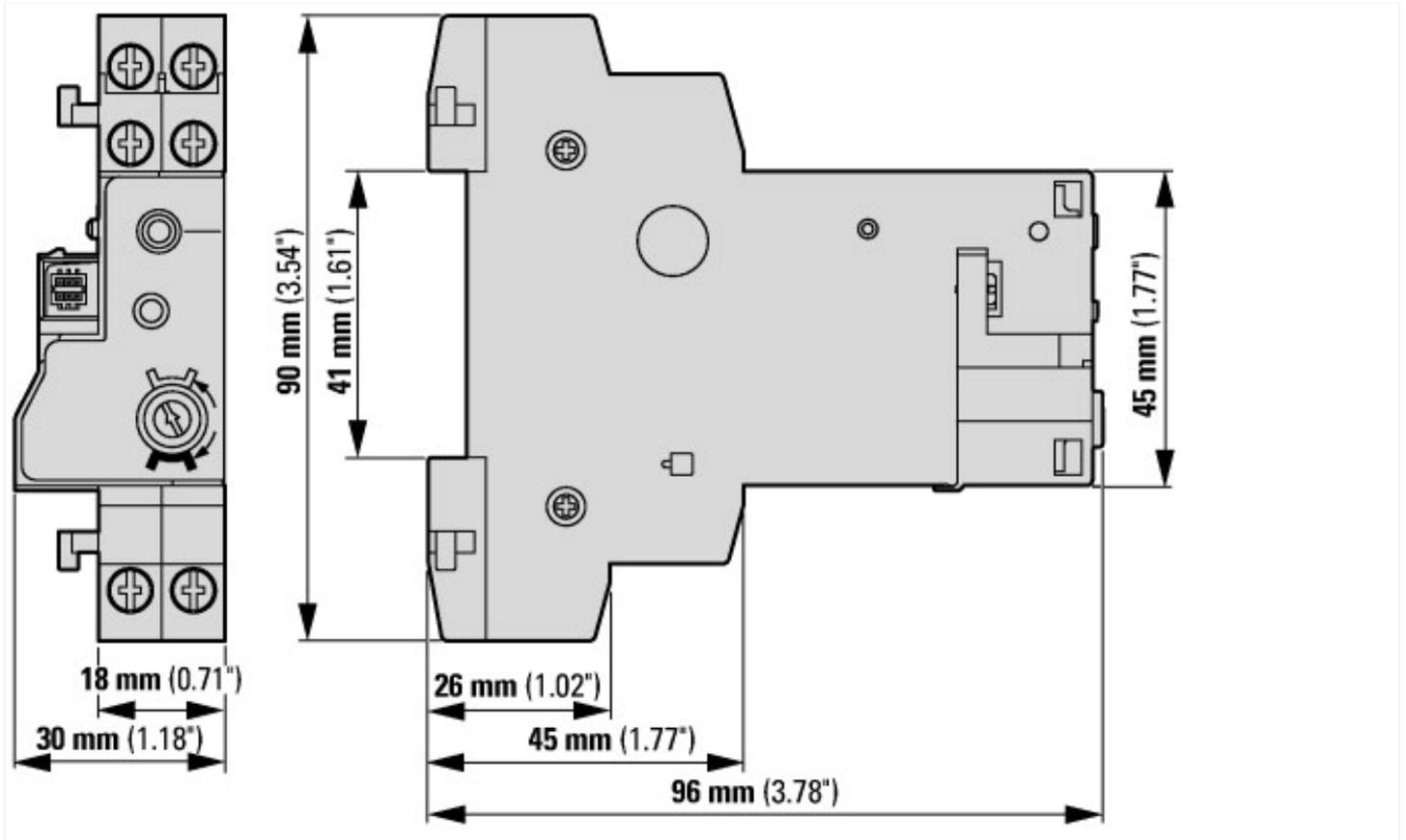
Low-voltage industrial components (EG000017) / Electronic overload relay (EC001080)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Overload protection device / Electronic overload relay (ecl@ss10.0.1-27-37-15-02 [AKF076014])			
Adjustable current range		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 $U_s$ at AC 50HZ		V	0 - 0
Rated control supply voltage $U_s$ at AC 60HZ		V	0 - 0
Rated control supply voltage $U_s$ at DC		V	24 - 24
Release class			Other
Voltage type for actuating			DC

Reset function automatic	<input type="checkbox"/>	Yes
Reset function input	<input type="checkbox"/>	No
Reset function push-button	<input type="checkbox"/>	Yes

## Approvals

Specially designed for North America	<input type="checkbox"/>	No
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## Dimensions



## Assets (links)

### Declaration of CE Conformity

00003119

### Instruction Leaflets

IL034007ZU2018\_05