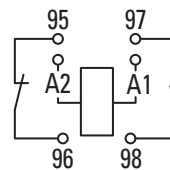




Equipment characteristics:

- An N/C contact and an N/O contact
- Two operating modes: Automatic and Manual
- Automatic restart or manual reset
- Bi-colored status LED used to indicate the unit's operating state
- Reset button for resetting overload signals (Manual)
- Two versions available: 24 VDC and 230 VAC control voltage



PKE-XZMR electronic overload relay module for currents up to 65 A



Motor-starter combinations with a SmartWire-DT connection also provide an overload relay function. This operating mode can be set via the PLC.

To add an overload relay function to a PKE motor-protective circuit-breaker, all you have to do is install a PKE-XZMR module tool less on the circuit-breaker's side. In case of an overload, the module gives a switching command to the contactor, which will switch off. The PKE's trip state will remain in "ON"-Position. A signaling contact will signal the overload instead.

The module's "Auto" operating mode ensures that the module will restart automatically without requiring any action on behalf of your staff, saving enormous amounts of time whenever systems with large dimensions are involved. If the application requires a manual reset after an overload, the mode selector switch has to be set to "Manual". Resetting an overload by pressing the reset button on the front. Those selectable operating modes providing a high flexibility for wide spread applications.

An LED at the front of the XZMR unit indicates the current operating state right on the device. In addition, the module provides a reliable prewarning function. It distinguishes between load currents of up to 100 %, load currents higher than 100 %, and load currents higher than 105 %, indicating an overload's magnitude by using different status LED flashing frequencies. When the current reaches 110 % of the set value, the unit will trip. All in all, a significantly more compact solution when compared to motor-starter combinations consisting of a short-circuit protective device, a contactor, and an overload relay.

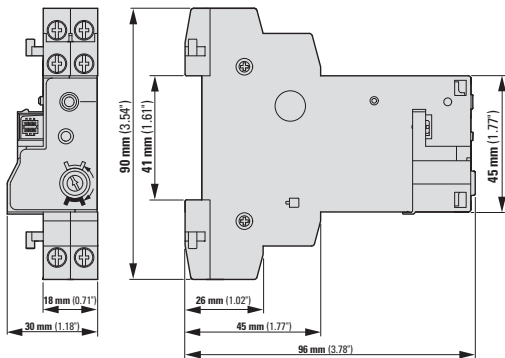


Powering Business Worldwide

Technical data

Part no.		PKE-XZMR(230V50HZ)	PKE-XZMR(24VDC)
Article		173416	173425
Catalog No.		XTPEXZMRF	XTPEXZMRD
Auxiliary contacts			
Rated impulse withstand voltage U_{imp}	V AC	6000	6000
Overtoltage category/pollution degree		III/3	III/3
Rated operating voltage U_e		V	
	V AC	500	500
	V DC	250	250
Safe isolation according to EN 61140			
between auxiliary contacts and main circuits	V AC	690	690
Rated operational current I_e			
AC-15 / 220 - 240 V	A	1.5	1.5
DC-13 L/R ≤ 100 ms / 24V	A	1.5	1.5
Lifespan			
Lifespan, mechanical	Operations x 10^6	> 5	> 5
Lifespan, electrical	Operations x 10^6	> 0.2	> 0.2
Short-circuit strength without welding			
Fuse	A gG/gL	6	6
Terminal capacity			
Solid/flexible with ferrule	mm ²	0.75 - 2.5	0.75 - 2.5
Solid or stranded	AWG	18 - 14	18 - 14
Operating range			
Actuating voltage	U_c	230 V 50 Hz	24 V DC
Alternating voltage	x U_c	0.8 - 1.1	0.8 - 1.1
DC voltage	x U_c	0.8 - 1.1	0.8 - 1.1
Power consumption			
AC voltage	VA	1.7	
DC voltage	W		0.5
Additional product information	IL034007ZU Motor protection with overload/relay function		

Dimensions



List of compatible trip blocks

Motor protection blocks	Part no.	Article no.	Note
0.3 - 1.2 A	PKE-XTUA-1,2	121727	
1 - 4 A	PKE-XTUA-4	121728	
3 - 12 A	PKE-XTUA-12	121729	
8 - 32 A	PKE-XTUA-32	121730	
8 - 32 A	PKE-XTUWA-32	138262	Release 04
16 - 65 A	PKE-XTUA-65	138260	or higher