DATASHEET - PKE-XZMR(230V50HZ)

Overload relay function, 230 V 50Hz

Part no.	**PKE-XZMR(230V50HZ)**
	173416
EL Number (Norway)	**4315147**

General specifications	
Product name	Eaton Moeller® series PKE Overload relay module
Part no.	PKE-XZMR(230V50HZ)
EAN	4015081698172
Product Length/Depth	105 millimetre
Product height	50 millimetre
Product width	105 millimetre
Product weight	0.079 kilogram
Compliances	CE
Product Tradename	PKE
Product Type	Accessory
Product Sub Type	Overload relay module
Catalog Notes	External control voltage supply required. 1 N/O: for trip indication 1 N/C: for switching off the contactor
Features & Functions	
Features	Status display via LED
Functions	Overload relay function (the motor-protective circuit-breaker will not trip in the event of an overload) Adjustable manual/auto reset
General information	
Class	Other
Lifespan, electrical	200,000 Operations
Lifespan, mechanical	5,000,000 Operations
Mounting method	Direct attachment
Overvoltage category	III
Pollution degree	3
Rated impulse withstand voltage (Uimp)	6000 V AC
Voltage type	AC
Ambient conditions, mechanical	
Mounting position	Right side (of PKE motor-protective circuit-breakers with advanced PKE-XTU…A… trip blocks)
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	55 °C
Terminal capacities	
Terminal capacity (solid/flexible with ferrule)	0.75 - 2.5 mm^2
Terminal capacity (solid/stranded AWG)	18 - 14
Electrical rating	
Operational voltage	0.8 - 1.1 x Us (alternating voltage)
Rated operational current (Ie) at AC-15, 220 V, 230 V, 240 V	1.5 A
Rated operational voltage (Ue) at AC - max	500 V
Safe isolation	440 V, Between auxiliary contacts and main contacts, According to EN 61140
Short-circuit rating	
Short-circuit protection rating	6 A gG/gL, Fuse, Contacts
Magnet system	
Rated control supply voltage (Us) at AC, 50 Hz - min	230 V
Rated control supply voltage (Us) at AC, 50 Hz - max	230 V
Rated control supply voltage (Us) at AC, 60 Hz - min	0 V

Rated control supply voltage (Us) at AC, 60 Hz - max		0 V
Rated control supply voltage (Us) at DC - min		0 V
Rated control supply voltage (Us) at DC - max		0 V
Contacts		
Number of auxiliary contacts (change-over contacts)		0
Number of auxiliary contacts (normally closed contacts)		1
Number of auxiliary contacts (normally open contacts)		1
Number of contacts (normally closed contacts)		1
Number of contacts (normally open contacts)		1
Power consumption		
Power consumption, pick-up, 50 Hz		1.7 VA, Pull-in power, Coil in a cold state and 1.0 x Us
Power consumption, pick-up, 60 Hz		1.7 VA, Pull-in power, Coil in a cold state and 1.0 x Us
Design verification		
Heat dissipation capacity Pdiss		0 W
Heat dissipation per pole, current-dependent Pvid		0.017 W
Rated operational current for specified heat dissipation (In)		1.5 A
Static heat dissipation, non-current-dependent Pvs		0.54 W
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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.
10.9.2 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 9.0

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@ss13-27-37-15-02 [AKF076019])

Mounting method		Direct attachment
Type of electrical connection of main circuit		Other
Adjustable current range	A	0 - 0
External power supply required		
Rated control supply voltage AC 50 Hz	V	230 - 230
Rated control supply voltage AC 60 Hz	V	0 - 0
Rated control supply voltage DC	V	0 - 0
Voltage type for actuating		AC
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
Voltage type (operating voltage)			AC
Operating voltage AC 50 Hz		V	230 - 230
Operating voltage AC 60 Hz		V	
Operating voltage DC		V	
Rated switch current		A	1.5
Release class			Other
Reset function automatic			Yes
Reset function input			
Reset function push-button			Yes
Width		mm	105
Height		mm	50
Depth		mm	105

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