

# Specifications



Photo is representative



## Eaton 173425

Eaton Moeller® series PKE Overload relay function, 24 V DC

### General specifications

PRODUCT NAME	Eaton Moeller® series PKE Overload relay module
CATALOG NUMBER	173425
MODEL CODE	PKE-XZMR(24VDC)
EAN	4015081698288
PRODUCT LENGTH/DEPTH	105 mm
PRODUCT HEIGHT	50 mm
PRODUCT WIDTH	105 mm
PRODUCT WEIGHT	0.079 kg
COMPLIANCES	CE
GLOBAL CATALOG	173425

## Product specifications

<b>PRODUCT CATEGORY</b>	Accessories
<b>FEATURES</b>	Status display via LED
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Meets the product standard's requirements.
<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.4 CLEARANCES AND</b>	Meets the product

## Resources

	<a href="#">eaton-motor-starters-system-xstart-brochure-br03407001en-en-us.pdf</a>
BROCHURES	<a href="#">eaton-motor-protective-circuit-breaker-pke-and-communication-modul-pke-brochure-w12107613en-en-us.pdf</a>
CATALOGS	<a href="#">Product Range Catalog Switching and protecting motors</a> <a href="#">eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf</a>
DECLARATIONS OF CONFORMITY	<a href="#">eaton-accessory-declaration-of-conformity-eu250698en.pdf</a> <a href="#">eaton-accessory-declaration-of-conformity-uk251181en.pdf</a>
DRAWINGS	<a href="#">eaton-manual-motor-starters-pke-accessory-dimensions.eps</a> <a href="#">eaton-manual-motor-starters-pke-accessory-3d-drawing.eps</a>
ECAD MODEL	<a href="#">DA-CE-ETN.PKE-XZMR(24VDC)</a>
INSTALLATION INSTRUCTIONS	<a href="#">IL034007ZU</a>
INSTALLATION VIDEOS	<a href="#">Video Motor Protective Circuit Breaker PKE</a> <a href="#">WIN-WIN with push-in technology</a>
MCAD MODEL	<a href="#">pke_xzmr.dwg</a> <a href="#">pke_xzmr.stp</a>
SALES NOTES	<a href="#">eaton-overload-relay-module-pke-xzmr-flyer-fl034002en-en-us.pdf</a> <a href="#">eaton-pke-modbus-rtu-modul-flyer-fl034008en-en-us.pdf</a>
WIRING DIAGRAMS	<a href="#">eaton-manual-motor-starters-pke-accessory-wiring-diagram.eps</a>

<b>CREEPAGE DISTANCES</b>	standard's requirements.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>POLLUTION DEGREE</b>	3
<b>CLASS</b>	Other
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	6000 V AC
<b>FUNCTIONS</b>	Adjustable manual/auto reset Overload relay function (the motor-protective circuit-breaker will not trip in the event of an overload)
<b>LIFESPAN, MECHANICAL</b>	5,000,000 Operations
<b>ADJUSTABLE CURRENT RANGE - MAX</b>	0 A
<b>ADJUSTABLE CURRENT RANGE - MIN</b>	0 A
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	55 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>	0 W
<b>HEAT DISSIPATION CAPACITY PDISS</b>	0 W
<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>	0.017 W
<b>NUMBER OF AUXILIARY CONTACTS (CHANGE-</b>	0

<b>OVER CONTACTS)</b>	
<b>NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)</b>	1
<b>NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)</b>	1
<b>NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)</b>	1
<b>NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)</b>	1
<b>POWER CONSUMPTION (PICK-UP) AT DC</b>	0.5 W
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX</b>	0 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN</b>	0 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX</b>	0 V
<b>ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT</b>	Other
<b>RESET FUNCTION</b>	Automatic Push-button
<b>VOLTAGE TYPE</b>	DC
<b>MOUNTING POSITION</b>	Right side (of PKE motor-protective circuit-breakers with advanced PKE-XTU...A... trip blocks)
<b>MOUNTING METHOD</b>	Direct attachment
<b>OVERVOLTAGE CATEGORY</b>	III
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN</b>	0 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX</b>	24 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN</b>	24 V
<b>RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V</b>	7777777 A
<b>RATED OPERATIONAL CURRENT (IE) AT DC-13, 24 V</b>	1.5 A

<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	1.5 A
<b>RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX</b>	7777777 V
<b>RATED OPERATIONAL VOLTAGE (UE) AT DC - MAX</b>	250 V
<b>STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS</b>	0.61 W
<b>OPERATIONAL VOLTAGE</b>	0.8 - 1.1 x Us
<b>LIFESPAN, ELECTRICAL</b>	200,000 Operations
<b>TERMINAL CAPACITY (SOLID/FLEXIBLE WITH FERRULE)</b>	0.75 - 2.5 mm <sup>2</sup>
<b>SAFE ISOLATION</b>	440 V, Between auxiliary contacts and main contacts, According to EN 61140
<b>SHORT-CIRCUIT PROTECTION RATING</b>	6 A gG/gL, Fuse, Contacts
<b>TERMINAL CAPACITY (SOLID/STRANDED AWG)</b>	18 - 14
<b>VOLTAGE TYPE OF OPERATING VOLTAGE</b>	DC
<b>RATED SWITCH CURRENT</b>	1.5 A
<b>OPERATING VOLTAGE AT DC - MIN</b>	24 V
<b>OPERATING VOLTAGE AT DC - MAX</b>	24 V

<b>PROJECT NAME:</b>
<b>PROJECT NUMBER:</b>
<b>PREPARED BY:</b>
<b>DATE:</b>



**Eaton Corporation plc**  
 Eaton House  
 30 Pembroke Road  
 Dublin 4, Ireland  
 Eaton.com

Follow us on social media to get the latest product and support information.

