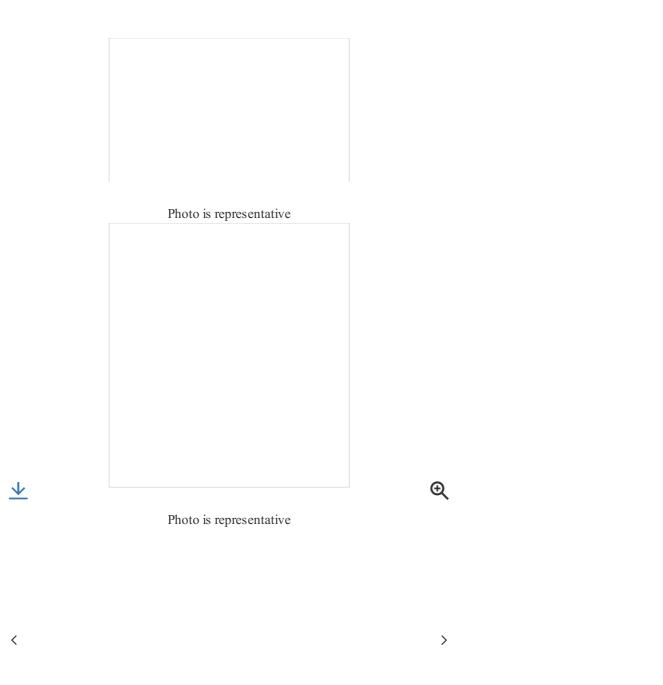
Products Digita PKZ MOTOR PROTECTION CIRCUIT How **BREAKER** Specifications Overview 278480 278480 Eaton Moeller® series PKZM01 Motor-protective 1.1 kW, Ir= 1 - 1.6 A, IP20 PKZM01-1,6 How to buy Learn about our Push-in terminals Configure Motor Start Combination Photo is representative

Photo is representative



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082882

Eaton Moeller® series NHI Standard auxiliary contact, NHI-E, 1 N/O, 1 NC, Can be fitted to the front, Screw terminals

072896

Eaton Moeller® series NHI Standard auxiliary contact, 1 N/O, 1 NC, Can be retrofitted on the right side of motor-protective circuit-breakers, Screw terminals

032720

Eaton Moeller® series PKZ Extension terminal, 3p, 25mm² BK25/3-PKZ0

072894

Eaton Moeller® series NHI Stan auxiliary contact, 2N/O+1N/C, s connection

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GENERAL SPECIFICATIONS

General specifications	>	PRODUCTNAME	Eaton Moeller® series PKZM01 Motor-protective c
•		CATALOG NUMBER	278480
Product specifications	>	MODEL CODE	PKZM01-1,6
		EAN	4015082784805
		PRO DUCT LENGTH/DEPTH	93 mm
		PRODUCTHEIGHT	90 mm
		PRODUCTWIDTH	45 mm
		PRODUCTWEIGHT	0.292 kg
			CE CSA Class No.: 3211-05 UL Category Control No.: NLRV VDE 0660 CSA UL
		CEPTIFICATIONS	OL .

CSA-C22.2 No. 60947-4-1-14 UL File No.: E36332 CSA File No.: 165628 IEC/EN 60947-4-1 IEC/EN 60947

UL 60947-4-1

PRODUCT SPECIFICATIONS

CERTIFICATIONS

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	1.6 A
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	2 x (1 - 6) mm ² , ferrule to DIN 46228 1 x (1 - 6) mm ² , ferrule to DIN 46228
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specification must be observed.
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	25 °C
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	0.55 kW
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specification must be observed.
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10.2.5 LIFTING	Does not apply, since the entire switchgear needs to
SWITCHING CAPACITY	1.6 A (3 contacts in series), DC-5 up to 250V 1.6 A, AC-3 up to 440 V
STRIPPING LENGTH (MAIN CABLE)	10 mm
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °C
RATED SHORT-CIRCUIT BREAKING CAPACITY ICU AT 400 V AC	50 kA
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
AMBIENT STO RAGE TEMPERATURE - MIN	40 °C
ADJUSTMENT RANGE UNDELAYED SHORT-CIRCUIT RELEASE - MAX	25 A
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	0.75 HP
PROTECTION	Finger and back-of-hand proof, Protection against dactuated from front (EN 50274)
ACTUATOR TYPE	Push button
RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ	0.55 kW
AMBIENT OPERATING TEMPERATURE - MAX	55 ℃
RATED OPERATIONAL POWER AT AC-3, 220/230 V, 50 HZ	0.25 kW
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
DEVICE CONSTRUCTION	Built-in device fixed built-in technique
FEATURES	Phase-failure sensitivity (according to IEC/EN 6094 Part 102)
LIFESPAN, ELECTRICAL	50,000 operations (at 400V, AC-3)
STATIC HEAT DISSIPATION, NON-CURRENT- DEPENDENT PVS	0 W
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
NUMBER OF POLES	Three-pole
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to

MOUNTING POSITION	Can be snapped on to IEC/EN 60715 top-hat rail wheight.
RATED UNINTERRUPTED CURRENT (IU)	1.6 A
TRIPPING CHARACTERISTIC	Overload trigger: tripping class 10 A
SHORT-CIRCUIT RELEASE	24.8 A, Irm, Setting range max. Basic device fixed 15.5 x Iu, Trip Blocks \pm 20% tolerance, Trip blocks
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the infinstruction leaflet (IL) is observed.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	1.79 W
OPERATING FREQUENCY	25 Operations/h
PRODUCT CATEGORY	Motor protective circuit breaker
SHORT-CIRCUIT CURRENT RATING (GROUP PROTECTION)	600 A, 600 V High Fault, max. Fuse, SCCR (UL/CSA) 50 kA, 600 V High Fault, Fuse, SCCR (UL/CSA) 600 A, 600 V High Fault, max. CB, SCCR (UL/CSA) 50 kA, 600 V High Fault, CB, SCCR (UL/CSA)
O VERLO AD RELEASE CURRENT SETTING - MIN	1 A
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	5.36 W
HEAT DISSIPATION CAPACITY PDISS	0 W
RATED OPERATIONAL CURRENT (IE)	1.6 A
ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE	0.75 HP
SUITABLE FOR	Also motors with efficiency class IE3 Branch circuit: Manual type E if used with terminal, installations, (UL/CSA)
INTERNAL RESISTANCE	$700~\mathrm{m}\Omega$
TEMPERATURE COMPENSATION	-25 - 55 °C, Operating range \leq 0.25 %/K, residual error for T > 40° -5 - 40 °C to IEC/EN 60947, VDE 0660
TERMINAL CAPACITY (SOLID)	1 x (1 - 6) mm ² 2 x (1 - 6) mm ²
RATED FREQUENCY - MIN	50 Hz
SHORT-CIRCUIT CURRENT	60 kA DC, up to 250 V DC, Main conducting path
POWER LOSS	5.36 W

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.
LIFESPAN, MECHANICAL	50,000 Operations (Main conducting paths)
TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 10
O VERLO AD RELEASE CURRENT SEITING - MAX	1.6 A
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
OVERVOLTAGE CATEGORY	Ш
DEGREE OF PROTECTION	Terminals: IP00 IP20
RATED FREQUENCY - MAX	60 Hz
SWITCH OFF TECHNIQUE	Thermomagnetic
AMBIENT STO RAGE TEMPERATURE - MAX	80 °C
ADJUSTMENT RANGE UNDELAYED SHORT-CIRCUIT RELEASE - MIN	25 A
POLLUTION DEGREE	3
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC
CONNECTION	Screw terminals
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the devi
FUNCTIONS	Phase failure sensitive Motor protection
TIGHTENING TO RQUE	1.7 Nm, Screw terminals, Main cable
RATED OPERATIONAL VOLTAGE (UE) - MIN	690 V
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE	0.1 HP
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
SHOCK RESISTANCE	25 g, Mechanical, according to IEC/EN 60068-2-27 shock 10 ms
RATED OPERATIONAL VOLTAGE (UE) - MAX	690 V
ALTITUDE	Max. 2000 m

Brochures
Catalogs
Characteristic curve
Declarations of conformity
Drawings
eCAD model
Installation instructions
Installation videos
Manuals and user guides
mCAD model
278480

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