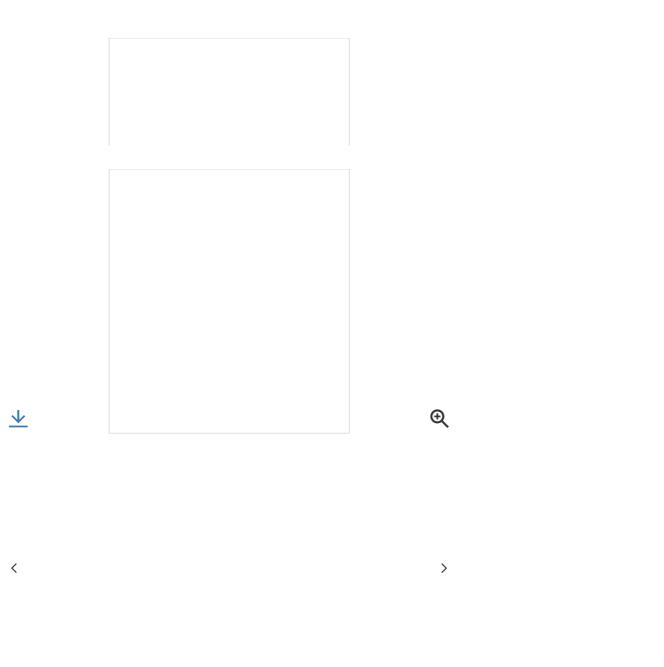
Products Digita PKZ MOTOR PROTECTION CIRCUIT How t **BREAKER** Specifications Overview Resources 278475 278475 Eaton Moeller® series PKZM01 Motor-protective $0.06\,\mathrm{kW},\,\mathrm{Ir}{=}\,0.1$ - $0.16\,\mathrm{A},\,\mathrm{IP}{20}\,\mathrm{PKZM}{01}{-}0{,}16$ How to buy Learn about our Push-in terminals Configure Motor Start Combination



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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, sconnection

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GENERAL SPECIFICATIONS

General specifications	>	PRODUCTNAME	Eaton Moeller® series PKZM01 Motor-protective
		CATALOG NUMBER	278475
Product specifications	>	MODEL CODE	PKZM01-0,16
		EAN	4015082784751
		PRO DUCT LENGTH/DEPTH	93 mm
		PRODUCTHEIGHT	90 mm
		PRODUCT WIDTH	45 mm
		PRODUCTWEIGHT	0.253 kg
		CERTIFICATIONS	IEC/EN 60947 CSA-C22.2 No. 60947-4-1-14 UL Category Control No.: NLRV UL 60947-4-1 CSA Class No.: 3211-05 VDE 0660 CE CSA File No.: 165628 IEC/EN 60947-4-1 UL UL File No.: E36332 CSA

PRODUCT SPECIFICATIONS

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0.16 A
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	2 x (1 - 6) mm ² , femule to DIN 46228 1 x (1 - 6) mm ² , femule 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 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.
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to
SWITCHING CAPACITY	0.16 A (3 contacts in series), DC-5 up to 250V 0.16 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 STORAGE TEMPERATURE - MIN	40 °C
ADJUSTMENT RANGE UNDELAYED SHORT-CIRCUIT RELEASE - MAX	2.5 A
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
PROTECTION	Finger and back-of-hand proof, Protection against diactuated from front (EN 50274)
ACTUATOR TYPE	Push button
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
RATED OPERATIONAL POWER AT AC-3, 220/230 V, 50 HZ	0 kW
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
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 w height.
RATED UNINTERRUPTED CURRENT (IU)	0.16 A
TRIPPING CHARACTERISTIC	Overload trigger: tripping class 10 A

	Basic device fixed 15.5 x Iu, 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	1.8 W
OPERATING FREQUENCY	25 Operations/h
PRODUCT CATEGORY	Motor protective circuit breaker
SHORT-CIRCUIT CURRENT RATING (GROUP PROTECTION)	50 kA, 600 V High Fault, Fuse, SCCR (UL/CSA) 600 A, 600 V High Fault, max. Fuse, SCCR (UL/C 600 A, 600 V High Fault, max. CB, SCCR (UL/C 50 kA, 600 V High Fault, CB, SCCR (UL/CSA)
O VERLO AD RELEASE CURRENT SETTING - MIN	0.1 A
EQ UIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	5.39 W
HEAT DISSIPATION CAPACITY PDISS	0 W
RATED OPERATIONAL CURRENT (IE)	0.16 A
SUITABLE FOR	Branch circuit: Manual type E if used with terminal, installations, (UL/CSA) Also motors with efficiency class IE3
INTERNAL RESISTANCE	68000 mΩ
TEMPERATURE COMPENSATION	-25 - 55 °C, Operating range -5 - 40 °C to IEC/EN 60947, VDE 0660 ≤ 0.25 %/K, residual error for T > 40°
TERMINAL CAPACITY (SOLID)	2 x (1 - 6) mm ² 1 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	5.39 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.
LIFES PAN, MECHANICAL	50,000 Operations (Main conducting paths)
TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 10
OVERLOAD RELEASE CURRENT SETTING - MAX	0.16 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 STORAGE TEMPERATURE - MAX	80 °C
ADJUSTMENT RANGE UNDELAYED SHORT-CIRCUIT RELEASE - MIN	2.5 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 TORQUE	1.7 Nm, Screw terminals, Main cable
RATED OPERATIONAL VOLTAGE (UE) - MIN	690 V
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	
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mCAD model	

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