Eaton 265351

Eaton Moeller® series PKZM0 Motor-Protective Circuit-Breakers, 3-pole, Ir = 1.6 - 2.5 A, screw/spring clamp connection, rotary handle lockable

PRODUCT NAME	Eaton Moeller® series PKZM0 Motor-protective circuit-breaker
CATALOG NUMBER	265351
PRODUCT LENGTH/DEPTH	77 mm
PRODUCT HEIGHT	93 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.32 kg
CERTIFICATIONS	UL File No.: E36332 VDE 0660 UL 60947-4-1 CSA File No.: 165628 IEC/EN 60947 CSA Class No.: 3211-05 CSA-C22.2 No. 60947-4-1-14 UL CSA IEC/EN 60947-4-1 UL Category Control No.: NLRV CE
CATALOG NOTES	This item can only be ordered until December 31, 2023 with a maximum delivery date of May 31, 2024.

Powering Business Worldwide

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FEATURES	Phase-failure sensitivity (according to IEC/EN 60947-4-1, VDE 0660 Part 102)
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.
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	Does not apply, since the entire switchgear needs to

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CHARACTERISTIC CURVE	eaton-manual-motor-starters-characteristic-characteristic-curve-008.eps
MCAD MODEL	pkzm0_04_sc_ak_gvp2.dwg pkzm0_04_sc_ak_gvp2.stp
□□□□□	IL03402034Z IL03407010Z.pdf
□□□	eaton-manual-motor-starters-transformer-pkzm0-wiring-diagram.eps
□□	eaton-manual-motor-starters-pkzm0-dimensions.eps eaton-manual-motor-starters-pkzm0-3d-drawing-008.eps eaton-manual-motor-starters-pkzm0-3d-drawing-005.eps

ASSEMBLIES	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.
OPERATING FREQUENCY	40 Operations/h
POLLUTION DEGREE	3
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
ACTUATOR TYPE	Turn button
ADJUSTMENT RANGE UNDELAYED SHORT-CIRCUIT RELEASE - MAX	39 A
ADJUSTMENT RANGE UNDELAYED SHORT-CIRCUIT RELEASE - MIN	39 A
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MAX	80 °C
AMBIENT STORAGE TEMPERATURE - MIN	-40 °C
EQUIPMENT HEAT DISSIPATION, CURRENT-	5.16 W

DEPENDENT PVID	
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	1.72 W
INTERNAL RESISTANCE	270 mΩ
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC
ALTITUDE	Max. 2000 m
DEVICE CONSTRUCTION	Built-in device fixed built-in technique
EXPLOSION SAFETY CATEGORY FOR DUST	ATEX dust-ex-protection, PTB 10, ATEX 3013, Ex II(2) GD
CONNECTION	Screw terminals on feed side Spring-cage terminals on output side
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw-/spring clamp connection
MOUNTING POSITION	Can be snapped on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.
LIFESPAN, MECHANICAL	100,000 Operations (Main conducting paths)
OVERVOLTAGE CATEGORY	III
DEGREE OF PROTECTION	Terminals: IP00 IP20
NUMBER OF POLES	Three-pole
LIFESPAN, ELECTRICAL	100,000 operations (at 400V, AC-3)
SHOCK RESISTANCE	25 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms
FUNCTIONS	Motor protection Phase failure sensitive
TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 14
SWITCHING CAPACITY	2.5 A, AC-3 up to 690 V 2.5 A (3 contacts in series), DC-5 up to 250V
OVERLOAD RELEASE CURRENT SETTING - MAX	2.5 A
OVERLOAD RELEASE CURRENT SETTING - MIN	1.6 A
RATED FREQUENCY -	60 Hz

MAX	
RATED FREQUENCY - MIN	50 Hz
RATED OPERATIONAL VOLTAGE (UE) - MAX	690 V
RATED OPERATIONAL VOLTAGE (UE) - MIN	690 V
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	2.5 A
RATED OPERATIONAL POWER AT AC-3E, 220/230 V, 50 HZ	0.37 kW
RATED OPERATIONAL POWER AT AC-3E, 380/400 V, 50 HZ	0.75 kW
RATED UNINTERRUPTED CURRENT (IU)	2.5 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
STRIPPING LENGTH (MAIN CABLE)	10 mm
PRODUCT CATEGORY	Motor protective circuit breaker
PROTECTION	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)
RATED OPERATIONAL POWER AT AC-3E, 440 V, 50 HZ	1.1 kW
RATED OPERATIONAL POWER AT AC-3E, 500 V, 50 HZ	1.1 kW
RATED OPERATIONAL POWER AT AC-3E, 690 V, 50 HZ	1.5 kW
RATED SHORT-CIRCUIT BREAKING CAPACITY ICU AT 400 V AC	150 kA
SUITABLE FOR	Also motors with efficiency class IE3
SHORT-CIRCUIT RELEASE	Basic device fixed 15.5 x Iu ± 20% tolerance 38.8 A, Irm
TERMINAL CAPACITY (SOLID)	2 x (0.75 - 2.5) mm², Spring-loaded terminals 1 x (0.75 - 2.5) mm², Spring-loaded terminals

RATED OPERATIONAL CURRENT (IE)	2.5 A
TEMPERATURE COMPENSATION	≤ 0.25 %/K, residual error for T > 40° -25 - 55 °C, Operating range -5 - 40 °C to IEC/EN 60947, VDE 0660
SHORT-CIRCUIT CURRENT	60 kA DC, up to 250 V DC, Main conducting paths
TIGHTENING TORQUE	1.7 Nm, Screw terminals, Main cable
SWITCH OFF TECHNIQUE	Thermomagnetic
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	1 x (1 - 6) mm², ferrule to DIN 46228, Screw terminals 2 x (1 - 6) mm², ferrule to DIN 46228, Screw terminals
TERMINAL CAPACITY (FLEXIBLE)	2 x (0.75 - 2.5) mm², without ferrule, Spring-loaded terminals 1 x (0.75 - 2.5) mm², ferrule to DIN 46228, Spring-loaded terminals 2 x (0.75 - 2.5) mm², ferrule to DIN 46228, Spring-loaded terminals 1 x (0.75 - 2.5) mm², without ferrule, Spring-loaded terminals
POWER LOSS	5.16 W

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
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