

Specifications



Eaton 156398

Eaton Moeller® series PKZM0 Motor-protective circuit-breaker, 15 kW, 25 - 32 A, Screw terminals, lockable

General specifications

PRODUCT NAME	Eaton Moeller® series PKZM0 Motor-protective circuit-breaker
CATALOG NUMBER	156398
MODEL CODE	PKZM0-32/AK
EAN	4015081531134
PRODUCT LENGTH/DEPTH	76 mm
PRODUCT HEIGHT	94 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.294 kg
CERTIFICATIONS	UL Category Control No.: NLRV CSA File No.: 165628 UL 60947-4-1 UL File No.: E36332 IEC/EN 60947 CSA-C22.2 No. 60947-4-1-14 UL CE IEC/EN 60947-4-1 VDE 0660 CSA Class No.: 3211-05 CSA
GLOBAL CATALOG	156398
PRODUCT TYPE	Motor-protective circuit-breaker

Product specifications

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

Resources

BROCHURES	eaton-push-in-technology-product-overview-brochure-br034012-en-us.pdf
	eaton-motor-starters-system-xstart-brochure-br03407001en-en-us.pdf
CATALOGS	eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf
	eaton-manual-motor-starters-characteristic-characteristic-curve-009.eps
CHARACTERISTIC CURVE	eaton-manual-motor-starters-characteristic-characteristic-curve-008.eps
	eaton-manual-motor-starters-tripping-characteristic-pkzm0-characteristic-curve.eps
DECLARATIONS OF CONFORMITY	eaton-motor-protective-circuit-breaker-declaration-of-conformity-uk251167en.pdf
	eaton-motor-protective-circuit-breaker-declaration-of-conformity-eu251411en.pdf
	eaton-manual-motor-starters-pkz-dimensions-002.eps
	eaton-manual-motor-starters-pkz-dimensions.eps
	eaton-manual-motor-starters-pkzm0-3d-drawing-008.eps
DRAWINGS	eaton-manual-motor-starters-mounting-3d-drawing-002.eps
	eaton-general-ie-ready-dilm-contactor-standards.eps
	eaton-manual-motor-starters-pkzm0-3d-drawing.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.
FITTED WITH:	Padlock locking
OPERATING FREQUENCY	40 Operations/h
POLLUTION DEGREE	3
LIFESPAN, MECHANICAL	100,000 Operations (Main conducting paths)
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
ACTUATOR TYPE	Turn button
TRIPPING CHARACTERISTIC	Overload trigger: tripping class 10 A
ADJUSTMENT RANGE UNDELAYED SHORT-CIRCUIT RELEASE - MAX	496 A
ADJUSTMENT RANGE UNDELAYED SHORT-CIRCUIT RELEASE - MIN	496 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	80 °C

ECAD MODEL	ETN.156398.edz
INSTALLATION INSTRUCTIONS	IL03402034Z IL03407010Z.pdf
INSTALLATION VIDEOS	WIN-WIN with push-in technology
MANUALS AND USER GUIDES	IL122023ZU
MCAD MODEL	DA-CS-pkzm0 ak neu a eaton-breakers-mcad-drawings-pkzm0-ak-neu-a.dwg
PEP ECO-PASSPORT	eaton-motor-protective-circuit-breakers-pep-eato-00290-v0101-en.pdf
SALES NOTES	eaton-link-module-for-motor-starters-pkz-flyer-fl034003en-en-us.pdf
WIRING DIAGRAMS	eaton-manual-motor-starters-transformer-pkzm0-wiring-diagram.eps

TEMPERATURE - MAX	
AMBIENT STORAGE TEMPERATURE - MIN	-40 °C
ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE	7.5 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE	5 HP
ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE	10 HP
ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE	20 HP
ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE	25 HP
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	9.56 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	3.19 W
INTERNAL RESISTANCE	3 mΩ
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC
ALTITUDE	Max. 2000 m
DEVICE CONSTRUCTION	Built-in device fixed built-in technique
CONNECTION	Screw terminals
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection
MOUNTING POSITION	Can be snapped on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.
OVERVOLTAGE CATEGORY	III
DEGREE OF PROTECTION	IP20 Terminals: IP00
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 - 10
SWITCHING CAPACITY	25 A (3 contacts in series), DC-5 up to 250V 32 A, AC-3 up to 690 V
OVERLOAD RELEASE CURRENT SETTING - MAX	32 A
OVERLOAD RELEASE CURRENT SETTING - MIN	25 A
RATED FREQUENCY - MAX	60 Hz
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)	32 A
RATED OPERATIONAL POWER AT AC-3E, 220/230 V, 50 HZ	7.5 kW
RATED OPERATIONAL POWER AT AC-3E, 380/400 V, 50 HZ	15 kW
RATED UNINTERRUPTED CURRENT (IU)	32 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	15 kW
RATED OPERATIONAL POWER AT AC-3E, 500 V, 50 HZ	22 kW
RATED OPERATIONAL POWER AT AC-3E, 690 V, 50 HZ	30 kW

RATED SHORT-CIRCUIT BREAKING CAPACITY ICU AT 400 V AC	40 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS AT 400 V AC	10 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY ICU AT 440 V AC	10 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS AT 440 V AC	3 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY ICU AT 500 V AC	3 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS AT 500 V AC	3 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY ICU AT 690 V AC	3 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY ICS AT 690 V AC	1 kA
CONVENTIONAL THERMAL CURRENT ITH (3-POLE, ENCLOSED)	30 A
SUITABLE FOR	Also motors with efficiency class IE3 Branch circuit: Suitable for group installations, (UL/CSA)
SHORT-CIRCUIT RELEASE	Basic device fixed 15.5 x lu ± 20% tolerance 496 A, I _{rm}
TERMINAL CAPACITY (SOLID)	2 x (1 - 6) mm ² 1 x (1 - 6) mm ²
RATED OPERATIONAL CURRENT (IE)	32 A
TEMPERATURE COMPENSATION	-25 - 55 °C, Operating range -5 - 40 °C to IEC/EN 60947, VDE 0660 ≤ 0.25 %/K, residual error for T > 40°
SHORT-CIRCUIT CURRENT	40 kA DC, up to 250 V DC, Main conducting paths
SHORT-CIRCUIT CURRENT RATING (GROUP PROTECTION)	10 kA, 600 V High Fault, Fuse, SCCR (UL/CSA) with 150 A, 600 V High Fault, Fuse, SCCR (UL/CSA) 10 kA, 600 V High Fault, CB, SCCR (UL/CSA) with

125 A, 600 V High Fault,
CB, SCCR (UL/CSA)
18 kA, 600 V High Fault, CB
with CL, SCCR (UL/CSA)
with 600 A, 600 V High
Fault, CB with CL, SCCR
(UL/CSA)
18 kA, 600 V High Fault,
Fuse with CL, SCCR
(UL/CSA) with 600 A, 600 V
High Fault, Fuse with CL,
SCCR (UL/CSA)
18 kA, 480 V High Fault,
CB, SCCR (UL/CSA) with
600 A, 480 V High Fault,
CB, SCCR (UL/CSA)
18 kA, 480 V High Fault,
Fuse, SCCR (UL/CSA) with
600 A, 480 V High Fault,
Fuse, SCCR (UL/CSA)

TIGHTENING TORQUE	1.7 Nm, Screw terminals, Main cable
--------------------------	--

SWITCH OFF TECHNIQUE	Thermomagnetic
-----------------------------	----------------

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
--	--

POWER LOSS	9.56 W
-------------------	--------

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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

© 2026 Eaton. All Rights Reserved.

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

