

Zdjęcie jest reprezentatywne

## Eaton 072733

Eaton Moeller® series PKZM0 Motor-protective circuit-breaker, 0.12 kW, 0.4 - 0.63 A, Screw terminals

### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller® series PKZM0 Motor-protective circuit-breaker
<b>CATALOG NUMBER</b>	072733
<b>EAN</b>	4015080727330
<b>PRODUCT LENGTH/DEPTH</b>	76 mm
<b>PRODUCT HEIGHT</b>	93 mm
<b>PRODUCT WIDTH</b>	45 mm
<b>PRODUCT WEIGHT</b>	0.246 kg
<b>CERTIFICATIONS</b>	UL CE CSA UL 60947-4-1 CSA File No.: 165628 IEC/EN 60947 UL Category Control No.: NLRV CSA Class No.: 3211-05 CSA-C22.2 No. 60947-4-1-14 VDE 0660 IEC/EN 60947-4-1 UL File No.: E36332
<b>MODEL CODE</b>	PKZM0-0,63

## Features & Functions

<b>ACTUATOR TYPE</b>	Turn button
<b>FEATURES</b>	Phase-failure sensitivity (according to IEC/EN 60947-4-1, VDE 0660 Part 102)
<b>FUNCTIONS</b>	Motor protection Phase failure sensitive
<b>NUMBER OF POLES</b>	Three-pole

## General

<b>CONNECTION</b>	Screw terminals
<b>EXPLOSION SAFETY CATEGORY FOR DUST</b>	PTB 10, ATEX 3013 Ex II (2) G [Ex eb Gb] [Ex db Gb] [Ex pxb Gb] Ex II (2) D [Ex tb Db] [Ex pxb Db]
<b>LIFESPAN, ELECTRICAL</b>	100,000 operations
<b>LIFESPAN, MECHANICAL</b>	100,000 Operations
<b>MOUNTING POSITION</b>	Can be snapped on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.
<b>OPERATING FREQUENCY</b>	40 Operations/h
<b>OVERVOLTAGE CATEGORY</b>	III
<b>POLLUTION DEGREE</b>	3
<b>PRODUCT CATEGORY</b>	Motor protective circuit breaker
<b>PROTECTION</b>	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	6000 V AC
<b>SHOCK RESISTANCE</b>	25 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms
<b>SUITABLE FOR</b>	Branch circuit: Manual type E if used with terminal, or suitable for group installations, (UL/CSA) Also motors with efficiency class IE3
<b>TEMPERATURE COMPENSATION</b>	-25 - 55 °C, Operating range -5 - 40 °C to IEC/EN 60947, VDE 0660 ≤ 0.25 %/K, residual error for T > 40°

## Climatic environmental conditions

<b>ALTITUDE</b>	Max. 2000 m
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	55 °C
<b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN</b>	-25 °C
<b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX</b>	40 °C
<b>AMBIENT STORAGE TEMPERATURE - MIN</b>	-40 °C
<b>AMBIENT STORAGE TEMPERATURE - MAX</b>	80 °C
<b>CLIMATIC PROOFING</b>	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30

## Electrical rating

<b>RATED FREQUENCY - MIN</b>	50 Hz
<b>RATED FREQUENCY - MAX</b>	60 Hz
<b>RATED OPERATIONAL CURRENT (IE)</b>	0.63 A
<b>RATED OPERATIONAL POWER AT AC-3, 220/230 V, 50 HZ</b>	0.09 kW
<b>RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ</b>	0.12 kW
<b>RATED OPERATIONAL VOLTAGE (UE) - MIN</b>	690 V
<b>RATED OPERATIONAL VOLTAGE (UE) - MAX</b>	690 V
<b>RATED UNINTERRUPTED CURRENT (IU)</b>	0.63 A

## Terminal capacities

<b>TERMINAL CAPACITY (SOLID)</b>	1 x (1 - 6) mm <sup>2</sup> 2 x (1 - 6) mm <sup>2</sup>
<b>TERMINAL CAPACITY (SOLID/STRANDED AWG)</b>	18 - 10
<b>STRIPPING LENGTH (MAIN CABLE)</b>	10 mm
<b>TIGHTENING TORQUE</b>	1.7 Nm, Screw terminals, Main cable 1 Nm, Screw terminals, Control circuit cables

## Short-circuit rating

<b>SHORT-CIRCUIT CURRENT</b>	60 kA DC, up to 250 V DC, Main conducting paths
<b>SHORT-CIRCUIT CURRENT RATING (GROUP PROTECTION)</b>	50 kA, 600 V High Fault, Fuse, SCCR (UL/CSA) with 600 A, 600 V High Fault, Fuse, SCCR (UL/CSA) 50 kA, 600 V High Fault, CB, SCCR (UL/CSA) with 600 A, 600 V High Fault, CB, SCCR (UL/CSA)
<b>SHORT-CIRCUIT CURRENT RATING (TYPE E)</b>	50 kA, 600 Y/347 V, SCCR (UL/CSA) Accessories required BK25/3-PKZ0-E 65 kA, 480 Y/277 V, SCCR (UL/CSA) 65 kA, 240 V, SCCR (UL/CSA)
<b>SHORT-CIRCUIT RELEASE</b>	Basic device fixed 15.5 x Iu ± 20% tolerance 9.8 A, I <sub>rm</sub>
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY ICS AT 400 V AC</b>	150 kA
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY ICU</b>	150 kA

## Trip blocks

<b>OVERLOAD RELEASE CURRENT SETTING - MIN</b>	0.4 A
<b>OVERLOAD RELEASE CURRENT SETTING - MAX</b>	0.63 A
<b>TRIPPING CHARACTERISTIC</b>	Overload trigger: tripping class 10 A

## AT 400 V AC

**RATED SHORT-CIRCUIT BREAKING CAPACITY ICU AT 440 V AC** 150 kA

**RATED SHORT-CIRCUIT BREAKING CAPACITY ICS AT 440 V AC** 150 kA

**RATED SHORT-CIRCUIT BREAKING CAPACITY ICU AT 500 V AC** 150 kA

**RATED SHORT-CIRCUIT BREAKING CAPACITY ICS AT 500 V AC** 150 kA

**RATED SHORT-CIRCUIT BREAKING CAPACITY ICU AT 690 V AC** 150 kA

**RATED SHORT-CIRCUIT BREAKING CAPACITY ICS AT 690 V AC** 150 kA

## Design verification

**EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID** 5.16 W

**HEAT DISSIPATION CAPACITY PDISS** 0 W

**HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID** 1.72 W

**RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)** 0.63 A

**STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS** 0 W

**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.** Meets the product standard's requirements.

<b>EFFECTS</b>	
<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 CREEPAGE DISTANCES</b>	Meets the product 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>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

## Do pobrania

<b>CHARACTERISTIC CURVE</b>	<a href="#">eaton-manual-motor-starters-characteristic-characteristic-curve-008.eps</a> <a href="#">eaton-manual-motor-starters-characteristic-characteristic-curve-004.eps</a>
<b>DEKLARACJE ZGODNOŚCI</b>	<a href="#">DA-DC-00005041.pdf</a> <a href="#">DA-DC-00005040.pdf</a>
<b>INSTRUKCJE MONTAŻU</b>	<a href="#">IL03407011Z.pdf</a> <a href="#">IL03402034Z</a>
<b>INSTRUKCJE OBSŁUGI</b>	<a href="#">IL122023ZU</a>
<b>MODELE ECAD</b>	<a href="#">ETN.072733.edz</a>
<b>MODELE MCAD</b>	<a href="#">DA-CS-pkzm0</a> <a href="#">DA-CD-pkzm0</a>
<b>RYSUNKI</b>	<a href="#">eaton-manual-motor-starters-pkz-dimensions-002.eps</a> <a href="#">eaton-manual-motor-starters-pkz-dimensions.eps</a> <a href="#">eaton-manual-motor-starters-pkzm0-dimensions-003.eps</a> <a href="#">eaton-manual-motor-starters-pkzm0-3d-drawing-008.eps</a> <a href="#">eaton-manual-motor-starters-pkzm0-3d-drawing-004.eps</a>
<b>SCHEMATY POŁĄCZEŃ</b>	<a href="#">eaton-manual-motor-starters-starter-nzm-mccb-wiring-diagram.eps</a> <a href="#">eaton-manual-motor-starters-transformer-pkzm0-wiring-diagram.eps</a>

switchgear must be observed.

### 10.13 MECHANICAL FUNCTION

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATA:**

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