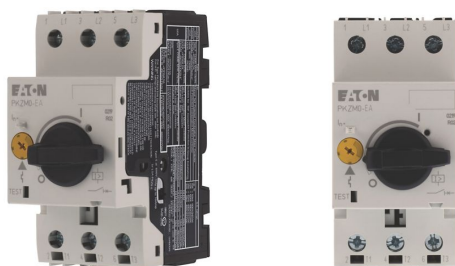


# Specyfikacje



Zdjęcie jest reprezentatywne



## Eaton 189905

Eaton Moeller® series PKZM0 Motor-protective circuit-breaker (-EA), 3p, Ir=10-16A, screw connection

### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller® series PKZM0 Motor-protective circuit-breaker
<b>CATALOG NUMBER</b>	189905
<b>EAN</b>	4015081879014
<b>PRODUCT LENGTH/DEPTH</b>	76 mm
<b>PRODUCT HEIGHT</b>	93 mm
<b>PRODUCT WIDTH</b>	45 mm
<b>PRODUCT WEIGHT</b>	0.292 kg
<b>COMPLIANCES</b>	RoHS conform CE Marked
<b>MODEL CODE</b>	PKZM0-16-EA

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## 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>	Phase failure sensitive
<b>NUMBER OF POLES</b>	Three-pole

## General

<b>CONNECTION</b>	Screw terminals
<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: Suitable for group installations, (UL/CSA) Also motors with efficiency class IE3
<b>TEMPERATURE COMPENSATION</b>	-5 - 40 °C to IEC/EN 60947, VDE 0660 -25 - 55 °C, Operating range ≤ 0.25 %/K, residual error for T > 40°

## Climatic environmental conditions

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

## Electrical rating

<b>RATED FREQUENCY - MIN</b>	50 Hz
<b>RATED FREQUENCY - MAX</b>	60 Hz
<b>RATED OPERATIONAL CURRENT (IE)</b>	16 A
<b>RATED OPERATIONAL POWER AT AC-3, 220/230 V, 50 HZ</b>	4 kW
<b>RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ</b>	7.5 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>	16 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

## Short-circuit rating

<b>SHORT-CIRCUIT CURRENT RATING (GROUP PROTECTION)</b>	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) 50 kA, 600 V High Fault, CB with CL, SCCR (UL/CSA) with 600 A, 600 V High Fault, CB with CL, SCCR (UL/CSA) 50 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)
<b>SHORT-CIRCUIT RELEASE</b>	Basic device fixed 15.5 x I <sub>u</sub> ± 20% tolerance 248 A, I <sub>rm</sub>
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY ICS AT 400 V AC</b>	38 kA
<b>RATED SHORT-CIRCUIT BREAKING CAPACITY ICU AT 400 V AC</b>	50 kA
<b>RATED SHORT-CIRCUIT</b>	15 kA

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**BREAKING CAPACITY ICU  
AT 440 V AC**

<b>RATED SHORT-CIRCUIT BREAKING CAPACITY ICS AT 440 V AC</b>	12 kA
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<b>RATED SHORT-CIRCUIT BREAKING CAPACITY ICU AT 500 V AC</b>	15 kA
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<b>RATED SHORT-CIRCUIT BREAKING CAPACITY ICS AT 500 V AC</b>	4 kA
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<b>RATED SHORT-CIRCUIT BREAKING CAPACITY ICU AT 690 V AC</b>	3 kA
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<b>RATED SHORT-CIRCUIT BREAKING CAPACITY ICS AT 690 V AC</b>	2 kA
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**Motor rating**

<b>ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE</b>	2 HP
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<b>ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE</b>	5 HP
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<b>ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE</b>	10 HP
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<b>ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE</b>	10 HP
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**Design verification**

<b>EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID</b>	6.43 W
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<b>HEAT DISSIPATION CAPACITY PDISS</b>	0 W
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<b>HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID</b>	2.1 W
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<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	16 A
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<b>STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS</b>	0 W
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**Trip blocks**

<b>OVERLOAD RELEASE CURRENT SETTING - MIN</b>	10 A
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<b>OVERLOAD RELEASE CURRENT SETTING - MAX</b>	16 A
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**Do pobrania**

<b>CHARACTERISTIC CURVE</b>	<a href="#">eaton-manual-motor-starters-characteristic-characteristic-curve-008.eps</a>
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	<a href="#">eaton-manual-motor-starters-pkz-characteristic-curve-002.eps</a>
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<b>DEKLARACJE ZGODNOŚCI</b>	<a href="#">DA-DC-00004890.pdf</a>
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<b>INSTRUKCJE MONTAŻU</b>	<a href="#">IL034046ZU</a>
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<b>MODELE ECAD</b>	<a href="#">ETN.189905.edz</a>
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	<a href="#">DA-CS-pkzm0</a>
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<b>MODELE MCAD</b>	<a href="#">DA-CD-pkzm0</a>
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**RYSUNKI**

[eaton-manual-motor-starters-pkz-dimensions.eps](#)

[eaton-manual-motor-starters-pkz-dimensions-003.eps](#)

[eaton-manual-motor-starters-pkz-dimensions-002.eps](#)

[eaton-manual-motor-starters-pkzm0-3d-drawing-008.eps](#)

[eaton-manual-motor-starters-circuit-breaker-pkzm0-3d-drawing.eps](#)

**SCHEMATY POŁĄCZEŃ**

[eaton-manual-motor-starters-transformer-pkzm0-wiring-diagram.eps](#)

**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATA:**



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