

Eaton 189898

Catalog Number: 189898

Eaton Moeller® series PKZM0 Motor-protective circuit-breaker, 3p, Ir=0.63-1A, screw connection PKZM0-1-EA



General specifications

Product Name	Catalog Number
Eaton Moeller® series PKZM0 Motor-protective circuit-breaker	189898
	EAN
	4015081878949
Product Length/Depth	Product Height
76 mm	93 mm
Product Width	Product Weight
45 mm	0.247 kg
Compliances	Model Code
RoHS conform	PKZM0-1-EA
CE Marked	

Features & Functions

Actuator type

Turn button

Features

Phase-failure sensitivity (according to IEC/EN 60947-4-1, VDE 0660 Part 102)

Functions

Phase failure sensitive

Number of poles

Three-pole

General

Connection

Screw terminals

Lifespan, electrical

100,000 operations

Lifespan, mechanical

100,000 Operations

Mounting position

Can be snapped on to IEC/EN 60715 top-hat rail with 7.5 or 15 mm height.

Operating frequency

40 Operations/h

Overvoltage category

III

Pollution degree

3

Product category

Motor protective circuit breaker

Protection

Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)

Rated impulse withstand voltage (Uimp)

6000 V AC

Shock resistance

25 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms

Suitable for

Branch circuit: Suitable for group installations, (UL/CSA)
Also motors with efficiency class IE3

Temperature compensation

-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

Ambient operating temperature (enclosed) - min

-25 °C

Terminal capacities

Terminal capacity (solid)

1 x (1 - 6) mm²

Ambient storage temperature - min

-40 °C

Ambient storage temperature - max

80 °C

Climatic proofing

Damp heat, cyclic, to IEC 60068-2-30

Damp heat, constant, to IEC 60068-2-78

2 x (1 - 6) mm²

Terminal capacity (solid/stranded AWG)

18 - 10

Stripping length (main cable)

10 mm

Tightening torque

1.7 Nm, Screw terminals, Main cable

Electrical rating

Rated frequency - min

50 Hz

Rated frequency - max

60 Hz

Rated operational current (Ie)

1 A

Rated operational power at AC-3, 220/230 V, 50 Hz

0.12 kW

Rated operational power at AC-3, 380/400 V, 50 Hz

0.25 kW

Rated operational voltage (Ue) - min

690 V

Rated operational voltage (Ue) - max

690 V

Rated uninterrupted current (Iu)

1 A

Short-circuit rating

Short-circuit current rating (group protection)

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)

Short-circuit release

15.5 A, I_{rm}, Setting range max.

Basic device fixed 15.5 x I_u, Trip Blocks

± 20% tolerance, Trip blocks

Rated short-circuit breaking capacity I_{cs} at 400 V AC

150 kA

Rated short-circuit breaking capacity I_{cu} at 400 V AC

150 kA

Rated short-circuit breaking capacity I_{cu} at 440 V AC

150 kA

Rated short-circuit breaking capacity I_{cs} at 440 V AC

150 kA

Rated short-circuit breaking capacity I_{cu} at 500 V AC

150 kA

Rated short-circuit breaking capacity I_{cs} at 500 V AC

150 kA

Rated short-circuit breaking capacity I_{cu} at 690 V AC

150 kA

Rated short-circuit breaking capacity I_{cs} at 690 V AC

150 kA

Trip blocks

Overload release current setting - min

Design verification

Equipment heat dissipation, current-dependent P_{vid}

0.63 A

Overload release current setting - max

1 A

5.33 W

Heat dissipation capacity P_{diss}

0 W

Heat dissipation per pole, current-dependent P_{vid}

1.8 W

Rated operational current for specified heat dissipation (I_n)

1 A

Static heat dissipation, non-current-dependent P_{vs}

0 W

Do pobrania

Characteristic curve

[eaton-manual-motor-starters-characteristic-characteristic-curve-008.eps](#)

[eaton-manual-motor-starters-characteristic-characteristic-curve-005.eps](#)

Deklaracje zgodności

[DA-DC-00004890.pdf](#)

DWG

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

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

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

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

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

eCAD model

[ETN.189898.edz](#)

Instrukcje montażu

[IL034046ZU](#)

mCAD model

[DA-CS-pkzm0](#)

[DA-CD-pkzm0](#)

Schematy połączeń

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



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