

# Eaton 237892

Catalog Number: 237892

Eaton Moeller® series P3 Main switch, P3, 30 A, flush mounting, 3 pole, With red rotary handle and yellow locking ring, Lockable in the 0 (Off) position, UL/CSA

## General specifications

Product Name	Catalog Number
Eaton Moeller® series P3 Main switch	237892
EAN	Product Length/Depth
4015082378929	150 mm
Product Height	Product Width
114 mm	90 mm
Product Weight	Certifications
0.374 kg	UL
	CSA
	UL File No.: E148671
	UL489
	CSA File No.: 1342868 (LR12528)
	UL 489



## Product specifications

### Product Category

Main switch

### Features

Version as main switch

Version as maintenance-/service switch

Version as emergency stop installation

### Actuator color

Red

### 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

UV resistance only in connection with protective shield.

### 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

## Resources

### Brochures

Brochure - T Rotary Cam switch and P Switch-disconnector

### Catalogs

P Switch-disconnectors and T Rotary cam switches catalogue  
CA042001EN

### Drawings

[eaton-rotary-switches-p3-main-switch-dimensions-007.eps](#)

[eaton-rotary-switches-padlock-t0-main-switch-dimensions.eps](#)

[eaton-general-mounting-p1-main-switch-symbol.eps](#)

[eaton-rotary-switches-t0-main-switch-symbol.eps](#)

[eaton-rotary-switches-mounting-p1-main-switch-3d-drawing.eps](#)

### eCAD model

[DA-CE-ETN.P3-30\\_EA\\_SVB-MCS](#)

### Installation instructions

[IL03802006Z](#)

### Installation videos

Eaton's P Switch-disconnectors used in a factory

### mCAD model

[DA-CD-p3\\_zz10](#)

[DA-CS-p3\\_zz10](#)

### Product notifications

[MZ008005ZU\\_Orderform\\_Customized\\_Switch.pdf](#)

[MZ008006ZU\\_Orderform\\_Customized\\_Switch.pdf](#)

### Wiring diagrams

[eaton-rotary-switches-on-off-switch-p3-main-switch-wiring-diagram.eps](#)

evaluated.

#### 10.2.7 Inscriptions

Meets the product standard's requirements.

#### 10.3 Degree of protection of assemblies

Does not apply, since the entire switchgear needs to 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:

Red rotary handle and yellow locking ring

#### Operating frequency

1200 Operations/h

#### Pollution degree

3

#### Climatic proofing

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

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

#### Rated impulse withstand voltage (U<sub>imp</sub>)

6000 V AC

#### Rated permanent current at AC-21, 400 V

0 A

#### Rated uninterrupted current (I<sub>u</sub>)

30 A

Switching power at 400 V

0 kW

Voltage rating - max

480 V

Device construction

Built-in device fixed built-in technique

Rated short-time withstand current (Icw)

0 kA

Electrical connection type of main circuit

Screw connection

Mounting position

As required

Actuator type

Door coupling rotary drive

Ambient operating temperature - max

50 °C

Ambient operating temperature - min

-25 °C

Ambient operating temperature (enclosed) - max

40 °C

Ambient operating temperature (enclosed) - min

-25 °C

Heat dissipation capacity Pdiss

0 W

Number of auxiliary contacts (change-over contacts)

0

Number of auxiliary contacts (normally closed contacts)

0

Rated conditional short-circuit current (Iq)

4 kA (Load side)

100 kA (Supply side)

Overvoltage category

III

Degree of protection (front side)

IP65

Number of poles

**Mounting method**

Flush mounting

**Degree of protection**

NEMA 12

**Suitable for**

Branch circuits, feeder circuits, (UL/CSA)

Front mounting 4-hole

**Locking facility**

Lockable in the 0 (Off) position

**Functions**

Interlockable

**Number of switches**

1

**Safe isolation**

440 V AC, Between the contacts, According to EN 61140

**Screw size**

M5, Terminal screw

**Shock resistance**

15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms

**Lifespan, mechanical**

100,000 Operations

**Load rating**

$2 \times I_e$  (with intermittent operation class 12, 25 % duty factor)

$1.6 \times I_e$  (with intermittent operation class 12, 40 % duty factor)

$1.3 \times I_e$  (with intermittent operation class 12, 60 % duty factor)

**Terminal capacity**

14 - 2 AWG, solid or flexible with ferrule

**Switching capacity (main contacts, general use)**

30 A, Rated uninterrupted current max. (UL/CSA)

**Safety parameter (EN ISO 13849-1)**

B10d values as per EN ISO 13849-1, table C.1

**Number of auxiliary contacts (normally open contacts)**

0

**Rated operating voltage ( $U_e$ ) - max**

690 V

Rated operating voltage (Ue) - min

690 V

Rated operational voltage (Ue) at AC - max

690 V

Short-circuit current rating (high fault)

30 A, Class RK5, max. Fuse, SCCR (UL/CSA)

10 kA, SCCR (UL/CSA)

Short-circuit protection rating

100 A gG/gL, Fuse, Contacts

Rated operational current for specified heat dissipation (In)

30 A

Rated operational power at AC-23A, 400 V, 50 Hz

0 kW

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

0 kW

Tightening torque

26.5 lb-in, Screw terminals

Uninterrupted current

Rated uninterrupted current Iu is specified for max. cross-section.



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