

# Eaton 138280

Catalog Number: 138280

Eaton Moeller® series M22 Illuminated ring, LED, 60mm, 230VAC, yellow



General specifications

Product Name	Catalog Number
Eaton Moeller® series M22 Accessory LED luminous ring	138280
	Model Code
	M22-XPV60-Y-230
EAN	Product Length/Depth
4015081350605	25 mm
Product Height	Product Width
60 mm	60 mm
Product Weight	Certifications
0.035 kg	CSA File No.: 012528
	CSA Class No.: 3211-03
	CSA-C22.2 No. 14-05
	UL Category Control No.: NISD
	UL 508
	IEC/EN 60947-5
	UL
	CSA
	CSA-C22.2 No. 94-91
	UL File No.: E340491
	CE

## Features & Functions

### Color

Yellow

## General

### Accessory/spare part type

Accessory

### Degree of protection

IP66

IP69

### Type

Emergency stop operator accessory

### Used with

Modular pushbutton

## Climatic environmental conditions

### Ambient operating temperature - min

-25 °C

### Ambient operating temperature - max

70 °C

## Electrical rating

### Rated operational voltage

230 V AC

## Communication

### Connection to SmartWire-DT

No

## Actuator

### Actuator diameter

60 mm

## Contacts

### Force for positive opening - min

0 N

## Design verification

### Equipment heat dissipation, current-dependent P<sub>vid</sub>

0 W

### Heat dissipation capacity P<sub>diss</sub>

0 W

### Heat dissipation per pole, current-dependent P<sub>vid</sub>

0 W

### Static heat dissipation, non-current-dependent P<sub>vs</sub>

0.65 W

### 10.2.2 Corrosion resistance

Meets the product standard's requirements.

## Resources

### Catalogues

[eaton-mmq-titan-brochure-br047004en-en-us.pdf](#)

[Flip catalog - Product Range Catalog - Command and indication](#)

[eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf](#)

### Certification reports

[DA-DC-00004141.pdf](#)

[DA-DC-00004180.pdf](#)

### Declarations of conformity

[DA-DC-00004975.pdf](#)

#### 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

Please enquire

#### 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 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.

[DA-DC-00004971.pdf](#)

#### Drawings

[eaton-operating-illuminated-ring-m22-led-luminous-ring-dimensions.eps](#)

[eaton-general-m22-standards.eps](#)

[eaton-m22-led-luminous-ring-drawing.eps](#)

[eaton-general-m22-symbol.eps](#)

[eaton-general-approval-m22-symbol.eps](#)

#### eCAD model

[ETN.138280.edz](#)

#### Installation instructions

[IL047031ZU](#)

[IL04716005Z.pdf](#)

#### Installation videos

[RMQ Flat Design](#)

#### mCAD model

[DA-CD-leuchtring\\_110\\_230v](#)

[DA-CS-leuchtring\\_110\\_230v](#)

#### Multimedia

[easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator](#)

[MCI Multicolor Light Indicator M22 with SmartWire-DT](#)

[RMQ small E-Stop emergency-stop button](#)

[MCI MultiColor Light Indicator RMQ compact solution](#)

#### Sales notes

[eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf](#)

[eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf](#)

[eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf](#)

[eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf](#)

#### System overview

[Pilot devices - selection aid](#)

#### 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.



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