

Eaton 216558

Catalog Number: 216558

Eaton Moeller® series M22 LED element, red, front mount, 12-30VAC/DC

General specifications

Product Name	Catalog Number
Eaton Moeller® series M22 Accessory LED	216558
	Model Code
	M22-LED-R
EAN	Product Length/Depth
4015082165581	38 mm
Product Height	Product Width
10 mm	37 mm
Product Weight	Certifications
.011 kg	CE
	UL File No.: E29184
	CSA
	IEC 60947-5-1
	UL 508
	CSA-C22.2 No. 14-05
	IEC/EN 60947-5
	UL Category Control No.: NKCR
	CSA File No.: 012528
	UL
	CSA-C22.2 No. 94-91
	CSA Class No.: 3211-03



Product specifications

Rated operational current (I_e) - max

14 A

Rated operational current for specified heat dissipation (I_n)

0 A

10.11 Short-circuit rating

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

Lamp holder

None

10.4 Clearances and creepage distances

Meets the product standard's requirements.

10.12 Electromagnetic compatibility

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

Operating torque

.8 Nm

10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

Ambient storage temperature - min

40 °C

Fitted with:

Diode

Light source

Rated operational voltage (U_e) at AC - min

12 V

Force for positive opening - min

0 N

10.8 Connections for external conductors

Is the panel builder's responsibility.

Terminal capacity (stranded)

0.5 - 2.5 mm²

Ambient operating temperature - max

70 °C

Resources

Brochures

RMQ Titan - brochure

RMQ Small E-Stop - Flyer

RMQ Titan emergency stop push button - Flyer

RMQ MCI - Flyer

RMQ Flat Enclosure - Flyer

Catalogs

Product Range Catalog Command and Indication Control Circuit Devices, Signal Towers

Flip catalog - Product Range Catalog - Command and indication

Certification reports

DA-DC-00004135.pdf

DA-DC-00004157.pdf

116Z024

Drawings

eaton-operating-actuation-m22-led-element-dimensions.eps

116X101

eaton-operating-button-symbol-006.eps

116C061

eaton-operating-led-m22-led-element-standards.eps

eCAD model

ETN.M22-LED-R

Installation instructions

IL047018ZU

IL04716002Z

mCAD model

DA-CS-led_element_schraube_front

DA-CD-led_element_schraube_front

Specifications and datasheets

Eaton Specification Sheet - 216558

System overview

Pilot devices - selection aid

Climatic proofing

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

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

Connection to SmartWire-DT

No

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

.45 W

Lifespan, electrical

100,000 h (at 25°C, according to EN60064)

10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

Ambient operating temperature - min

-25 °C

10.6 Incorporation of switching devices and components

Does not apply, since the entire switchgear needs to be evaluated.

10.5 Protection against electric shock

Does not apply, since the entire switchgear needs to be evaluated.

Fastening type

Front fastening

Mounting position

As required

10.13 Mechanical function

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

10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

10.3 Degree of protection of assemblies

Does not apply, since the entire switchgear needs to be evaluated.

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

0 W

Voltage type

AC/DC

Equipment heat dissipation, current-dependent P_{vid}

0 W

Heat dissipation capacity P_{diss}

0 W

Connection type (auxiliary circuit)

Screw connection

Terminal capacity (solid)

0.75 - 2.5 mm²

Power consumption

Max. 0.26 W

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.

Connection type

Front fixing

10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

Rated operational voltage (U_e) at DC - min

12 V

Overvoltage category

III

Degree of protection

IP20

Light color

Red

Rated operational voltage (U_e) at DC - max

30 V

Ambient storage temperature - max

80 °C

Rated operational voltage (U_e) at AC - max

30 V

Pollution degree

3

10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

Rated impulse withstand voltage (Uimp)

6000 V AC

10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

Lamp type

LED

10.2.2 Corrosion resistance

Meets the product standard's requirements.

Rated operational current (Ie) - min

5 A

10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2.7 Inscriptions

Meets the product standard's requirements.

Shock resistance

Mechanical, According to IEC/EN 60068-2-27

30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal
shock 11 ms

Rated insulation voltage (Ui)

500 V



Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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