

Specifications



Eaton 121477

Eaton Moeller® series M22 Illuminated ring, LED, D=60mm, 24VAC/DC, yellow

General specifications

PRODUCT NAME	Eaton Moeller® series M22 LED luminous ring
CATALOG NUMBER	121477
MODEL CODE	M22-XPV60-Y-24
EAN	4015081192953
PRODUCT LENGTH/DEPTH	25 mm
PRODUCT HEIGHT	60 mm
PRODUCT WIDTH	60 mm
PRODUCT WEIGHT	0.035 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	EN 60947-5 CSA Std. C22.2 No. 94-91 CSA Std. C22.2 No. 14-05 IEC 60947 UL 508 UL File No.: E340491 IEC/EN 60947-5 UL Category Control No.: NISD CSA-C22.2 No. 14-05 UL CSA Class No.: 3211-03 CSA-C22.2 No. 94-91 CE CSA File No.: 012528 CSA
CATALOG NOTES	Three groups of 4 LEDs each (series-connected), can be actuated separately (e.g. for continuous light)



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Actuator

ACTUATOR DIAMETER	60 mm
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Communication

CONNECTION TO SMARTWIRE-DT	No
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Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX	70 °C
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AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
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Design verification

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	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.
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0.9 W

Electrical rating

RATED OPERATIONAL VOLTAGE	24 V AC/DC
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General information

ACCESSORY/SPARE PART TYPE	Accessory
DEGREE OF PROTECTION	IP66 IP69
TYPE	LED

Resources

CATALOGUES

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

DRAWINGS

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

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

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

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

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

ECAD MODEL

[ETN.121477.edz](#)

INSTALLATION INSTRUCTIONS

[IL047031ZU](#)

[IL04716005Z.pdf](#)

MCAD MODEL

[DA-CS-leuchtring_24v](#)

[eaton-accessory-mcad-drawings-leuchtring-24v.dwg](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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