

Specifications



Eaton 138280

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

General specifications

PRODUCT NAME	Eaton Moeller® series M22 LED luminous ring
CATALOG NUMBER	138280
MODEL CODE	M22-XPV60-Y-230
EAN	4015081350605
PRODUCT LENGTH/DEPTH	25 mm
PRODUCT HEIGHT	60 mm
PRODUCT WIDTH	60 mm
PRODUCT WEIGHT	0.035 kg
CERTIFICATIONS	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
CATALOG NOTES	One group of 8 LEDs (series-connected)



Powering Business Worldwide

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
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0.65 W

Electrical rating

RATED OPERATIONAL VOLTAGE	230 V AC
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General information

ACCESSORY/SPARE PART TYPE	Accessory
DEGREE OF PROTECTION	IP66 IP69
TYPE	Emergency stop operator accessory
USED WITH	Modular pushbutton

Resources

CATALOGUES

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

DECLARATIONS OF CONFORMITY

[eaton-accessory-declaration-of-conformity-eu251542en.pdf](#)
[eaton-accessory-declaration-of-conformity-uk260009en.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.138280.edz](#)

INSTALLATION INSTRUCTIONS

[IL047031ZU](#)

[IL04716005Z.pdf](#)

MCAD MODEL

[eaton-accessory-mcad-drawings-leuchtring-110-230v.dwg](#)

[DA-CS-leuchtring_110_230v](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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