

Specifications



Photo is representative



Eaton 216558

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

General specifications

PRODUCT NAME	Eaton Moeller® series M22 LED element
CATALOG NUMBER	216558
MODEL CODE	M22-LED-R
EAN	4015082165581
PRODUCT LENGTH/DEPTH	38 mm
PRODUCT HEIGHT	10 mm
PRODUCT WIDTH	37 mm
PRODUCT WEIGHT	0.011 kg

CERTIFICATIONS	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
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Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX	70 °C
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AMBIENT STORAGE TEMPERATURE - MAX	80 °C
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AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
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AMBIENT STORAGE TEMPERATURE - MIN	40 °C
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CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
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Contacts

FORCE FOR POSITIVE OPENING - MIN	0 N
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Communication

CONNECTION TO SMARTWIRE-DT	No
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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.
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10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
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10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
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10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
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10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
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10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
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10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
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10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.
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10.2.4 RESISTANCE TO	Meets the product
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ULTRA-VIOLET (UV) RADIATION	standard's requirements.
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	0.45 W

Electrical rating

POWER CONSUMPTION	Max. 0.26 W
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RATED INSULATION VOLTAGE (UI)	500 V
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RATED OPERATIONAL CURRENT (IE) - MAX	14 mA
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RATED OPERATIONAL CURRENT (IE) - MIN	5 mA
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RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	30 V
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RATED OPERATIONAL VOLTAGE (UE) AT AC - MIN	12 V
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RATED OPERATIONAL VOLTAGE (UE) AT DC - MAX	30 V
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RATED OPERATIONAL VOLTAGE (UE) AT DC - MIN	12 V
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General information

DEGREE OF PROTECTION	IP20
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LIFESPAN, ELECTRICAL	100,000 h (at 25°C, according to EN60064)
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OPERATING TORQUE	0.8 Nm
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OVERVOLTAGE CATEGORY	III
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POLLUTION DEGREE	3
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RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC
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VOLTAGE TYPE	AC/DC
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Mounting details

CONNECTION TYPE	Front fixing
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MOUNTING POSITION	As required
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Features & functions

FITTED WITH:	Diode Light source
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LIGHT COLOR	Red
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LED Details

LIGHT COLOR	Red
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Terminal capacities

TERMINAL CAPACITY (SOLID)	0.75 - 2.5 mm ²
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TERMINAL CAPACITY (STRANDED)	0.5 - 2.5 mm ²
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Resources

CATALOGUES	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-led-element-declaration-of-conformity-eu260070en.pdf
DRAWINGS	eaton-operating-actuation-m22-led-element-dimensions.eps eaton-operating-led-m22-led-element-standards.eps eaton-operating-button-symbol-006.eps
ECAD MODEL	ETN.216558.edz IL04716002Z
INSTALLATION INSTRUCTIONS	eaton-operating-devices-rmq-titan-m22-instruction-leaflet-il047018zu.pdf
MCAD MODEL	eaton-lampblock-mcad-drawings-led-element-schraube-front.dwg DA-CS-led_element_schraube_front
PEP ECO-PASSPORT	eaton-lamp-holder-blocks-pep-eato-00309-v0101-en.pdf

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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