

Specifications



Photo is representative



Eaton 115969

Eaton Moeller® series M22 LED element, for combination with RMQ-Titan operating elements M22-..., Front fixing, red

General specifications

PRODUCT NAME	Eaton Moeller® series M22 LED element
CATALOG NUMBER	115969
MODEL CODE	M22-SWD-LED-R
EAN	4015081157099
PRODUCT LENGTH/DEPTH	45 mm
PRODUCT HEIGHT	42 mm
PRODUCT WIDTH	10 mm
PRODUCT WEIGHT	0.009 kg
CERTIFICATIONS	CSA Class No.: 3211-07 EN 50178 IEC/EN 61131-2 CSA File No.: 2324643 UL File No.: E29184 UL UL Category Control No.: NKCR CSA



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Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-30 °C
ENVIRONMENTAL CONDITIONS	Condensation: prevent with appropriate measures

Communication

CONNECTION TO SMARTWIRE-DT	Yes
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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	Meets the product 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	Does not apply, since the

Electrical rating

RATED OPERATIONAL VOLTAGE (UE) AT DC - MAX 30 V

RATED OPERATIONAL VOLTAGE (UE) AT DC - MIN 30 V

AGAINST ELECTRIC SHOCK	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	0.3 W

Features & functions

FITTED WITH:	Light source
FUNCTIONS	For combination with RMQ-Titan operating elements M22-...
LIGHT COLOR	Red

LED Details

LED INDICATOR	Status indication of SmartWire-DT network: Green LED
LIGHT COLOR	Red

General information

DEGREE OF PROTECTION	IP20
OVERVOLTAGE CATEGORY	Not applicable
POLLUTION DEGREE	2
VOLTAGE TYPE	DC

Mounting details

CONNECTION TYPE	Front fixing SWD: Plug, 8-pole
MOUNTING POSITION	As required

Resources

CATALOGUES	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-function-element-declaration-of-conformity-eu251562en.pdf eaton-function-element-declaration-of-conformity-uk260007en.pdf
DRAWINGS	eaton-operating-function-m22-function-element-dimensions.eps 2723DIM-25 eaton-operating-button-symbol-006.eps eaton-operating-function-m22-led-element-3d-drawing-002.eps
ECAD MODEL	ETN.115969.edz
INSTALLATION INSTRUCTIONS	IL04716004Z2021_10.pdf
MANUALS AND USER GUIDES	MN05006002Z_EN MN05006001Z_EN
MCAD MODEL	DA-CS-funktionselement led front eaton-lampblock-mcad-drawings-funktionselement-led-front.dwg
SALES NOTES	eaton-rmq-chemical-resistance-flyer-fl047011en-en-us.pdf
WIRING DIAGRAMS	eaton-modular-plc-m22-function-element-wiring-diagram-003.eps

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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