

Specifications



Photo is representative



Eaton 115966

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

General specifications

PRODUCT NAME	Eaton Moeller® series M22 LED element
CATALOG NUMBER	115966
MODEL CODE	M22-SWD-LED-W
EAN	4015081157068
PRODUCT LENGTH/DEPTH	45 mm
PRODUCT HEIGHT	42 mm
PRODUCT WIDTH	10 mm
PRODUCT WEIGHT	0.009 kg
CERTIFICATIONS	CSA CSA File No.: 2324643 UL Category Control No.: NKCR CSA Class No.: 3211-07 IEC/EN 61131-2 EN 50178 UL UL File No.: E29184



Powering Business Worldwide

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT STORAGE TEMPERATURE - MAX	80 °C
AMBIENT OPERATING TEMPERATURE - MIN	-30 °C
AMBIENT STORAGE TEMPERATURE - MIN	-40 °C
ENVIRONMENTAL CONDITIONS	Condensation: prevent with appropriate measures

Contacts

FORCE FOR POSITIVE OPENING - MIN	0 N
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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)	Meets the product standard's requirements.

RADIATION	
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	0.3 W

Electrical rating

RATED OPERATIONAL VOLTAGE (UE) AT DC - MAX	30 V
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RATED OPERATIONAL VOLTAGE (UE) AT DC - MIN	30 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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OVERVOLTAGE CATEGORY	Not applicable
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POLLUTION DEGREE	2
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VOLTAGE TYPE	DC
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Mounting details

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

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

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

CATALOGUES	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
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DECLARATIONS OF CONFORMITY	eaton-function-element-declaration-of-conformity-uk260007en.pdf eaton-function-element-declaration-of-conformity-eu251562en.pdf
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[2723DIM-25](#)

DRAWINGS	eaton-operating-function-m22-function-element-dimensions.eps eaton-operating-button-symbol-013.eps eaton-operating-function-m22-led-element-3d-drawing-002.eps
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ECAD MODEL	ETN.115966.edz
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INSTALLATION INSTRUCTIONS	IL04716004Z2021_10.pdf
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MANUALS AND USER GUIDES	MN05006002Z_EN MN05006001Z_EN
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MCAD MODEL	eaton-lampblock-mcad-drawings-funktionselement-led-front.dwg DA-CS-funktionselement led front
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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