

## Eaton 115966

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

<b>PRODUCT NAME</b>	Eaton Moeller® series M22 LED element
<b>CATALOG NUMBER</b>	115966
<b>PRODUCT LENGTH/DEPTH</b>	45 mm
<b>PRODUCT HEIGHT</b>	42 mm
<b>PRODUCT WIDTH</b>	10 mm
<b>PRODUCT WEIGHT</b>	0.009 kg
<b>CERTIFICATIONS</b>	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

<b>AIR DISCHARGE</b>	8 kV, according to IEC 61131-2, level 3, ESD
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Meets the product standard's requirements.
<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF</b>	Does not apply, since the

<b>DECLARATIONS OF CONFORMITY</b>	<a href="#">eaton-function-element-declaration-of-conformity-uk250989en.pdf</a>
	<a href="#">IL04716004Z2021_10.pdf</a>
	<a href="#">eaton-modular-plc-m22-function-element-wiring-diagram-003.eps</a>
	<a href="#">eaton-operating-function-m22-function-element-dimensions.eps</a>
	<a href="#">eaton-operating-button-symbol-013.eps</a>
	<a href="#">eaton-operating-function-m22-led-element-3d-drawing-002.eps</a>
<b>/</b>	<a href="#">RMQ small E-Stop emergency-stop button</a>

<b>PROTECTION OF ASSEMBLIES</b>	entire switchgear needs to be evaluated.
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>FITTED WITH:</b>	Light source
<b>POLLUTION DEGREE</b>	2
<b>BURST IMPULSE</b>	2 kV, Supply cable, according to IEC/EN 61131-2, Level 3 1 kV, SmartWire-DT cable, according to IEC/EN 61131-2, Level 3
<b>CONNECTION TO SMARTWIRE-DT</b>	Yes
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	70 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-30 °C
<b>AMBIENT STORAGE TEMPERATURE - MAX</b>	80 °C
<b>AMBIENT STORAGE TEMPERATURE - MIN</b>	-40 °C
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>	0 W
<b>FORCE FOR POSITIVE OPENING - MIN</b>	0 N
<b>HEAT DISSIPATION CAPACITY PDISS</b>	0 W

<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>	0 W
<b>HEIGHT OF FALL (IEC/EN 60068-2-32) - MAX</b>	0.3 m
<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	0 A
<b>RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX</b>	0 V
<b>RATED OPERATIONAL VOLTAGE (UE) AT AC - MIN</b>	0 V
<b>RATED OPERATIONAL VOLTAGE (UE) AT DC - MAX</b>	30 V
<b>RATED OPERATIONAL VOLTAGE (UE) AT DC - MIN</b>	30 V
<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>	0.3 W
<b>COLOR</b>	White
<b>ENVIRONMENTAL CONDITIONS</b>	Condensation: prevent with appropriate measures
<b>VOLTAGE TYPE</b>	DC
<b>FASTENING TYPE</b>	Front fastening
<b>MOUNTING POSITION</b>	As required
<b>LIGHT COLOR</b>	White
<b>CONNECTION TYPE</b>	SWD: Plug, 8-pole Front fixing
<b>LAMP TYPE</b>	LED
<b>CONNECTION</b>	SmartWire-DT plug connector SWD4-8SF2-5
<b>CONTACT DISCHARGE</b>	4 kV, according to IEC/EN 61131-2, Level 2, ESD
<b>OVERVOLTAGE CATEGORY</b>	Not applicable
<b>CONNECTION TYPE (AUXILIARY CIRCUIT)</b>	Flat plug-in connection
<b>CONSTANT ACCELERATION</b>	1 g, 8.4 - 150 Hz, according to IEC/EN 61131-2, Vibrations
<b>DEGREE OF PROTECTION</b>	IP20
<b>FUNCTIONS</b>	For combination with

	RMQ-Titan operating elements M22-...
<b>CONSTANT AMPLITUDE</b>	3,5 mm, 5 - 8.4 Hz, according to IEC/EN 61131-2, Vibrations
<b>LAMP HOLDER</b>	None
<b>ELECTROMAGNETIC FIELDS</b>	10 V/m at 80 - 1000 MHz (according to IEC/EN 61131-2:2008) 1 V/m at 2.0 - 2.7 GHz (according to IEC/EN 61131-2:2008) 3 V/m at 1.4 - 2 GHz (according to IEC/EN 61131-2:2008)
<b>RADIATED RFI</b>	10 V (IEC/EN 61131-2:2008, Level 3)
<b>DROP AND TOPPLE</b>	50 mm Drop height, Drop to IEC/EN 60068-2-31
<b>RADIO INTERFERENCE CLASS</b>	Class A (EN 55011)
<b>RELATIVE HUMIDITY</b>	9 - 95 % (non-condensing, IEC/EN 60068-2-30)
<b>LIFESPAN, ELECTRICAL</b>	100,000 h (at 25°C, according to EN60064)
<b>LED INDICATOR</b>	Status indication of SmartWire-DT network: Green LED
<b>SHOCK RESISTANCE</b>	15 g, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 11 ms, 9 Impacts
<b>STATION</b>	SmartWire-DT slave, SmartWire-DT network

**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

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