

# Specifications



Photo is representative



## Eaton 216557

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

### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller® series M22 Accessory LED
<b>CATALOG NUMBER</b>	216557
<b>MODEL CODE</b>	M22-LED-W
<b>EAN</b>	4015082165574
<b>PRODUCT LENGTH/DEPTH</b>	38 mm
<b>PRODUCT HEIGHT</b>	10 mm
<b>PRODUCT WIDTH</b>	37 mm
<b>PRODUCT WEIGHT</b>	0.011 kg
<b>CERTIFICATIONS</b>	CSA Class No.: 3211-03 CSA File No.: 012528 IEC/EN 60947-5 UL 508 UL File No.: E29184 UL UL Category Control No.: NKCR CSA-C22.2 No. 14-05 CSA-C22.2 No. 94-91 IEC 60947-5-1 CE CSA
<b>GLOBAL CATALOG</b>	216557



Powering Business Worldwide

## Product specifications

<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 PROTECTION OF ASSEMBLIES</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION</b>	Does not apply, since the

## Resources

CATALOGS	<a href="#">eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf</a> <a href="#">eaton-rmq-titan-brochure-br047004en-en-us.pdf</a> <a href="#">Flip catalog - Product Range Catalog - Command and indication</a>
DECLARATIONS OF CONFORMITY	<a href="#">eaton-indicator-light-declaration-of-conformity-uk251345en.pdf</a> <a href="#">eaton-accessory-declaration-of-conformity-uk251344en.pdf</a> <a href="#">eaton-indicator-light-declaration-of-conformity-uk251343en.pdf</a> <a href="#">eaton-accessory-declaration-of-conformity-eu250861en.pdf</a> <a href="#">eaton-pushbutton-declaration-of-conformity-uk251341en.pdf</a> <a href="#">eaton-indicator-light-declaration-of-conformity-eu250862en.pdf</a> <a href="#">eaton-pushbutton-declaration-of-conformity-eu250858en.pdf</a> <a href="#">eaton-indicator-light-declaration-of-conformity-eu250860en.pdf</a>
DRAWINGS	<a href="#">eaton-operating-actuation-m22-led-element-dimensions.eps</a> <a href="#">eaton-operating-button-symbol-013.eps</a> <a href="#">eaton-operating-led-m22-led-element-standards.eps</a>
ECAD MODEL	<a href="#">ETN.216557.edz</a>
FLYERS	<a href="#">eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf</a>
INSTALLATION INSTRUCTIONS	<a href="#">eaton-operating-devices-rmq-titan-m22-instruction-leaflet-il047018zu.pdf</a>

<b>AGAINST ELECTRIC SHOCK</b>	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>	Diode Light source
<b>POLLUTION DEGREE</b>	3
<b>CLIMATIC PROOFING</b>	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
<b>CONNECTION TO SMARTWIRE-DT</b>	No
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	6000 V AC
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	70 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °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>OPERATING TORQUE</b>	0.8 Nm
<b>RATED INSULATION VOLTAGE (UI)</b>	500 V

	<a href="#">IL04716002Z</a>
INSTALLATION VIDEOS	<a href="#">RMQ Flat Design</a>
MCAD MODEL	<a href="#">DA-CS-led_element_schraube_front</a> <a href="#">DA-CD-led_element_schraube_front</a>
	<a href="#">MCI Multicolor Light Indicator M22 with SmartWire-DT</a> <a href="#">RMQ small E-Stop emergency-stop button</a>
MULTIMEDIA	<a href="#">MCI MultiColor Light Indicator RMQ compact solution</a> <a href="#">easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator</a>
SALES NOTES	<a href="#">eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf</a> <a href="#">eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf</a> <a href="#">eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf</a> <a href="#">eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf</a>

<b>RATED OPERATIONAL CURRENT (IE) - MAX</b>	14 mA
<b>RATED OPERATIONAL CURRENT (IE) - MIN</b>	5 mA
<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	0 A
<b>RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX</b>	30 V
<b>RATED OPERATIONAL VOLTAGE (UE) AT AC - MIN</b>	12 V
<b>RATED OPERATIONAL VOLTAGE (UE) AT DC - MAX</b>	30 V
<b>RATED OPERATIONAL VOLTAGE (UE) AT DC - MIN</b>	12 V
<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>	0.45 W
<b>COLOR</b>	White
<b>VOLTAGE TYPE</b>	AC/DC
<b>FASTENING TYPE</b>	Front fastening
<b>MOUNTING POSITION</b>	As required
<b>LIGHT COLOR</b>	White
<b>CONNECTION TYPE</b>	Front fixing
<b>LAMP TYPE</b>	LED
<b>OVERVOLTAGE CATEGORY</b>	III
<b>CONNECTION TYPE (AUXILIARY CIRCUIT)</b>	Screw connection
<b>DEGREE OF PROTECTION</b>	IP20
<b>LAMP HOLDER</b>	None
<b>POWER CONSUMPTION</b>	Max. 0.26 W
<b>LIFESPAN, ELECTRICAL</b>	100,000 h (at 25°C, according to EN60064)
<b>TERMINAL CAPACITY (STRANDED)</b>	0.5 - 2.5 mm <sup>2</sup>
<b>SHOCK RESISTANCE</b>	30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27
<b>TERMINAL CAPACITY (SOLID)</b>	0.75 - 2.5 mm <sup>2</sup>

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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