

# Specifications



## Eaton 197143

Eaton Moeller® series M22 LED element,  
Flat Rear, green, front mounting, High  
Performance

### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller® series M22 Accessory LED
<b>CATALOG NUMBER</b>	197143
<b>MODEL CODE</b>	M22-FLED-G-HP
<b>EAN</b>	4015080895244
<b>PRODUCT LENGTH/DEPTH</b>	37.8 mm
<b>PRODUCT HEIGHT</b>	14.4 mm
<b>PRODUCT WIDTH</b>	10 mm
<b>PRODUCT WEIGHT</b>	0.004 kg
<b>CERTIFICATIONS</b>	CSA UL UL Category Control No.: NKCR CSA Class No.: 3211-03 IEC/EN 60947-5 UL 508 CSA File No.: 012528 CSA-C22.2 No. 94-91 IEC 60947-5-1 CE CSA-C22.2 No. 14-05 UL File No.: E29184
<b>GLOBAL CATALOG</b>	197143



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## 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.

## Resources

### CATALOGS

[eaton-rmq-titan-brochure-br047004en-en-us.pdf](#)

[eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf](#)

[Flip catalog - Product Range Catalog - Command and indication](#)

### DECLARATIONS OF CONFORMITY

[DA-DC-00004157.pdf](#)

[DA-DC-00004135.pdf](#)

[DA-DC-00004975.pdf](#)

[eaton-accessory-declaration-of-conformity-eu250861en.pdf](#)

[DA-DC-00004971.pdf](#)

[eaton-operating-contact-m22-led-element-dimensions.eps](#)

### DRAWINGS

[eaton-operating-button-symbol-004.eps](#)

[eaton-operating-led-m22-led-element-standards.eps](#)

[eaton-operating-m22-led-element-3d-drawing.eps](#)

### ECAD MODEL

[DA-CE-ETN.M22-FLED-G-HP](#)

### FLYERS

[eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf](#)

### INSTALLATION INSTRUCTIONS

[IL04716002Z](#)

### INSTALLATION VIDEOS

[RMQ Flat Design](#)

### MCAD MODEL

[m22\\_fled.dwg](#)

[m22\\_fled.stp](#)

### MULTIMEDIA

[MCI MultiColor Light Indicator RMQ compact solution](#)

[RMQ small E-Stop emergency-stop button](#)

<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 Diode
<b>POLLUTION DEGREE</b>	3
<b>CLIMATIC PROOFING</b>	Dry heat to IEC 60068-2-2 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>	4000 V AC
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	70 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>AMBIENT STORAGE TEMPERATURE - MAX</b>	85 °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

	<a href="#">easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator</a>
	<a href="#">MCI Multicolor Light Indicator M22 with SmartWire-DT</a>
<b>SALES NOTES</b>	<a href="#">eaton-rmq-titan-high-performance-led-flyer-fl047008en-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>
	<a href="#">eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf</a>
	<a href="#">eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf</a>

<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>	0 W
<b>RATED INSULATION VOLTAGE (UI)</b>	250 V
<b>RATED OPERATIONAL CURRENT (IE) - MAX</b>	23 mA
<b>RATED OPERATIONAL CURRENT (IE) - MIN</b>	10 mA
<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>	18 V
<b>VOLTAGE TYPE</b>	AC/DC
<b>FASTENING TYPE</b>	Front fastening
<b>MOUNTING POSITION</b>	As required
<b>LIGHT COLOR</b>	Green
<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. 0.55 W
<b>RADIATED RFI</b>	10 V (IEC/EN 61131-2:2008, Level 3)
<b>RADIO INTERFERENCE CLASS</b>	Class A (EN 55011)
<b>LIFESPAN, ELECTRICAL</b>	100,000 h (at 25°C, according to EN60064)
<b>TERMINAL CAPACITY (STRANDED)</b>	1 x (0.2 - 1.5) mm <sup>2</sup>
<b>SHOCK RESISTANCE</b>	50 g, Mechanical, according to IEC/EN 60068-2-27, Half-

	Sinusoidal shock 11 ms
<b>TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)</b>	Use WAGO Variocrimp 4 crimping tool; please enquire for others 1 x (0.25 - 1) mm <sup>2</sup>
<b>TERMINAL CAPACITY (SOLID)</b>	1 x (0.75 - 1.5) mm <sup>2</sup> Can be plugged without tools 1 x (0.2 - 1.5) mm <sup>2</sup>

**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**



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