

## LED element, red, front mount, 12-30VAC/DC

**Part no.**                    **M22-LED-R**  
                                      **216558**  
**EL Number**                **4355368**  
**(Norway)**

<b>General specifications</b>		
Product name		Eaton Moeller® series M22 Accessory LED
Part no.		M22-LED-R
EAN		4015082165581
Product Length/Depth		38 millimetre
Product height		10 millimetre
Product width		37 millimetre
Product weight		0.011 kilogram
Compliances		Contact Manufacturer
Certifications		UL Category Control No.: NKCR CSA Class No.: 3211-03 CSA-C22.2 No. 94-91 CSA-C22.2 No. 14-05 CSA UL File No.: E29184 IEC 60947-5-1 UL UL 508 IEC/EN 60947-5 CE CSA File No.: 012528
Product Tradename		M22
Product Type		Accessory
Product Sub Type		LED
<b>Features &amp; Functions</b>		
Fitted with:		Diode Light source
Light color		Red
<b>General information</b>		
Degree of protection		IP20
Lifespan, electrical		100,000 h (at 25°C, according to EN60064)
Operating torque		0.8 N-m
Overvoltage category		III
Pollution degree		3
Rated impulse withstand voltage (Uimp)		6000 V AC
Voltage type		AC/DC
<b>Ambient conditions, mechanical</b>		
Mounting position		As required
Shock resistance		Mechanical, According to IEC/EN 60068-2-27 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms
<b>Climatic environmental conditions</b>		
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		70 °C
Ambient storage temperature - min		40 °C
Ambient storage temperature - max		80 °C
Climatic proofing		Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
<b>Terminal capacities</b>		
Terminal capacity (solid)		0.75 - 2.5 mm <sup>2</sup>
Terminal capacity (stranded)		0.5 - 2.5 mm <sup>2</sup>
<b>Electrical rating</b>		
Power consumption		Max. 0.26 W
Rated insulation voltage (Ui)		500 V

Rated operational current (Ie) - min		5 mA
Rated operational current (Ie) - max		14 mA
Rated operational voltage (Ue) at AC - max		30 V
Rated operational voltage (Ue) at AC - min		12 V
Rated operational voltage (Ue) at DC - max		30 V
Rated operational voltage (Ue) at DC - min		12 V
<b>Communication</b>		
Connection to SmartWire-DT		No
Connection type		Front fixing
<b>Contacts</b>		
Force for positive opening - min		0 N
<b>Design verification</b>		
Equipment heat dissipation, current-dependent Pvid		0 W
Heat dissipation capacity Pdis		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		0.45 W
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 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.
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.

## Technical data ETIM 8.0

Low-voltage industrial components (EG000017) / Lamp holder block for control circuit devices (EC000204)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Bulb socket block for command and alarm devices (ecl@ss10.0.1-27-37-12-09 [AKF027014])		
Transformer integrated		No
With integrated voltage decreasing resistor		No
With light source		Yes
With integrated diode		Yes
Lamp holder		None
Rated voltage Ue at AC 50 Hz	V	12 - 30
Rated voltage Ue at AC 60 Hz	V	12 - 30
Rated voltage Ue at DC	V	12 - 30
Voltage type for actuating		AC/DC
Lamp type		LED

Connection type auxiliary circuit			Screw connection
Colour lamp			Red
Type of fastening			Front fastening