DATASHEET - M22-LED-G

LED element, green, front mount, 12-30VAC/DC

Part no.	**M22-LED-G**
	216559
EL Number (Norway)	**4355369**

Powering Business Worldwide™

General specifications

Product name	Eaton Moeller® series M22 Accessory LED
Part no.	M22-LED-G
EAN	4015082165598
Product Length/Depth	38 millimetre
Product height	10 millimetre
Product width	37 millimetre
Product weight	0.011 kilogram
Compliances	CE Marked
Certifications	CSA Std. C22.2 No. 94-91 EN 60947-5 CSA Std. C22.2 No. 14-05 IEC 60947-5 UL 508 VDE CSA-C22.2 No. 14-05 CE CSA-C22.2 No. 94-91 IEC 60947-5-1 UL File No.: E29184 UL CSA CSA File No.: 012528 CSA Class No.: 3211-03 UL Category Control No.: NKCR IEC/EN 60947-5
Product Tradename	M22
Product Type	Accessory
Product Sub Type	LED

Features & Functions

Fitted with:	Light source Diode
Light color	Green

General information

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

Ambient conditions, mechanical

Mounting position	As required
Shock resistance	30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27

Climatic environmental conditions

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

Terminal capacities

Terminal capacity (solid)	0.75 - 2.5 mm^2
Terminal capacity (stranded)	0.5 - 2.5 mm^2

Electrical rating		
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
Communication		
Connection to SmartWire-DT		No
Connection type		Front fixing
Contacts		
Force for positive opening - min		0 N
Design verification		
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		0.45 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			Green
Type of fastening			Front fastening