DATASHEET - M22-LED-W



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

Part no. M22-LED-W
216557

EL Number (Norway) 4355367

General specifications

Product name	Eaton Moeller® series M22 Accessory LED
Part no.	M22-LED-W
EAN	4015082165574
Product Length/Depth	38 millimetre
Product height	10 millimetre
Product width	37 millimetre
Product weight	0.011 kilogram
Certifications	CSA-C22.2 No. 14-05 UL IEC 60947-5-1 CSA Class No.: 3211-03 CSA UL Category Control No.: NKCR CSA File No.: 012528 UL File No.: E29184 IEC/EN 60947-5 CE CSA-C22.2 No. 94-91 UL 508
Product Tradename	M22
Product Type	Accessory
Product Sub Type	LED

Features & Functions

Color	White
Fitted with:	Light source Diode
Light color	White

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	Mechanical, According to IEC/EN 60068-2-27 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms

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 9.0

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@ss13-27-37-12-09 [AKF027019])

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 light source			White
Type of fastening			Front fastening

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