

DATASHEET - M22-LED230-B



Light element, LED, blue, front mount, 85-264VAC, screw connection

Part no. M22-LED230-B
218059
EL Number 4355378
(Norway)

General specifications		
Product name		Eaton Moeller® series M22 Accessory LED
Part no.		M22-LED230-B
EAN		4015082180591
Product Length/Depth		38 millimetre
Product height		10 millimetre
Product width		37 millimetre
Product weight		0.011 kilogram
Compliances		CE Marked
Certifications		IEC/EN 60947-5 IEC 60947-5 UL 508 UL File No.: E29184 CSA CSA Class No.: 3211-03 CSA File No.: 012528 CSA Std. C22.2 No. 14-05 UL Category Control No.: NKCR CSA-C22.2 No. 94-91 EN 60947-5 CE IEC 60947-5-1 CSA Std. C22.2 No. 94-91 VDE UL CSA-C22.2 No. 14-05
Product Tradename		M22
Product Type		Accessory
Product Sub Type		LED
Features & Functions		
Fitted with:		Light source Diode
Light color		Blue
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
Type		LED lamp
Voltage type		AC
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, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
Electro magnetic compatibility		
Radiated RFI		10 V (IEC/EN 61131-2:2008, Level 3)

Radio interference class			Class A (EN 55011)
Terminal capacities			
Terminal capacity (solid)			0.75 - 2.5 mm²
Terminal capacity (stranded)			0.5 - 2.5 mm²
Electrical rating			
Power consumption			Max. 0.33 W
Rated insulation voltage (Ui)			500 V
Rated operational current (Ie) - min			5 mA
Rated operational current (Ie) - max			15 mA
Rated operational voltage (Ue) at AC - max			264 V
Rated operational voltage (Ue) at AC - min			85 V
Rated operational voltage (Ue) at DC - max			0 V
Rated operational voltage (Ue) at DC - min			0 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 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			1 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	85 - 264
Rated voltage Ue at AC 60 Hz	V	85 - 264
Rated voltage Ue at DC	V	0 - 0
Voltage type for actuating		AC
Lamp type		LED
Connection type auxiliary circuit		Screw connection
Colour light source		Blue
Type of fastening		Front fastening