DATASHEET - M22-CLEDC230-B

Light element, LED, blue, base fixing, 85-264VAC, spring clamp connection

Part no.	**M22-CLEDC230-B**
	218064
EL Number (Norway)	**4355787**

General specifications			
Product name			Eaton Moeller® series M22 Accessory LED
Part no.			M22-CLEDC230-B
EAN			4015082180645
Product Length/Depth			39 millimetre
Product height			39 millimetre
Product width			10 millimetre
Product weight			0.01 kilogram
Certifications			UL File No.: E29184 UL IEC/EN 60947-5 CSA Class No.: 3211-03 UL 508 UL Category Control No.: NKCR CSA File No.: 012528 CSA-C22.2 No. 14-05 CSA-C22.2 No. 94-91 CSA CE IEC 60947-5-1
Product Tradename			M22
Product Type			Accessory
Product Sub Type			LED
Catalog Notes			Cage Clamp is a registered trademark of Wago Kontakttechnik GmbH/Minden, Germany
Features & Functions			
Fitted with:			Diode Light source
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
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, 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. 0.33 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			Base 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			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			Spring clamp connection
Colour light source			Blue
Type of fastening			Floor fastening