DATASHEET - M22-CLEDC230-R

LED element, red, base fixing, cage clamp

Part no.	**M22-CLEDC230-R**
	216579
EL Number (Norway)	**4355785**

Powering Business Worldwide™

General specifications

Product name	Eaton Moeller® series M22 Accessory LED
Part no.	M22-CLEDC230-R
EAN	4015082165796
Product Length/Depth	39 millimetre
Product height	39 millimetre
Product width	10 millimetre
Product weight	0.01 kilogram
Compliances	CE Marked
Certifications	CSA Std. C22.2 No. 94-91 CSA Std. C22.2 No. 14-05 EN 60947-5 UL 508 IEC 60947-5 VDE UL Category Control No.: NKCR IEC 60947-5-1 IEC/EN 60947-5 CE CSA File No.: 012528 UL CSA-C22.2 No. 94-91 CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 UL File No.: E29184 CSA
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	Red

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	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, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78

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	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			Red
Type of fastening			Floor fastening