

## Series element, 42-60VAC/DC, for LED 12-30V

**Part no.** M22-XLED60  
**231078**  
**EL Number** 4355797  
**(Norway)**

<b>General specifications</b>		
Product name		Eaton Moeller® series M22 Accessory LED
Part no.		M22-XLED60
EAN		4015082310783
Product Length/Depth		37 millimetre
Product height		30 millimetre
Product width		10 millimetre
Product weight		0.011 kilogram
Compliances		CE Marked
Certifications		CSA Std. C22.2 No. 14-05 EN 60947-5 IEC 60947-5 UL 508 CSA Std. C22.2 No. 94-91 VDE CE IEC/EN 60947-5 CSA File No.: 012528 CSA-C22.2 No. 94-91 UL CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 UL Category Control No.: NKCR CSA UL File No.: E29184
Product Tradename		M22
Product Type		Accessory
Product Sub Type		LED
Catalog Notes		LED resistor
<b>Features &amp; Functions</b>		
Functions		For connecting 12 - 30 V LED elements
<b>General information</b>		
Accessory/spare part type		Accessory
Degree of protection		IP20
Used with		12-30 V LED elements
<b>Climatic environmental conditions</b>		
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		70 °C
Ambient storage temperature - min		40 °C
Ambient storage temperature - max		80 °C
<b>Electrical rating</b>		
Rated operational voltage		42 - 60 V AC/DC
<b>Communication</b>		
Connection to SmartWire-DT		No
<b>Contacts</b>		
Force for positive opening - min		0 N
<b>Design verification</b>		
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		0.5 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) / Accessories/spare parts for command devices (EC002024)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Command and alarm device (accessories) (ecl@ss13-27-37-12-92 [AC0037015])

Type of electrical accessory/spare part		Resistor block
Type of mechanical accessory/spare part		Other
Accessory		Yes
Spare part		No