Series element, 220V DC, for LED 12-30V

Part no. M22-XLED220
Article no. 271541
Catalog No. M22-XLED220Q

Powering Business Worldwide

Delivery program

Product range			Accessories
Single unit/Complete unit			Single unit
Description			LED resistor
Function			for connecting 12 - 30 V LED elements
Connection technique			Screw terminals
Rated operational voltage	U_e	V	220 V AC/DC
Degree of Protection			IP20
Connection to SmartWire-DT			no

Notes

maximum ambient air temperature: -25 °C to +55 °C

The LED brightness is reduced.

Notes

For pushbutton actuators, indicator lights, illuminated pushbuttons and illuminated selector switch actuators, the following applies:

M22…-R only in combination with M22-LED…-R

M22…-G only in combination with M22-LED…-G

M22…-W only in combination with M22-LED…-W

M22…-Y only in combination with M22-LED…-W

M22…-B in combination with M22-LED…-W or M22-LED…-B

Technical data

General

Ambient temperature			
Open		°C	-25 - +55
Storage		°C	- 40 - + 80

Notes

Notes > 200 V AC/60 Hz: -25/+55 °C

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	0
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	0
Static heat dissipation, non-current-dependent	P_{vs}	W	0.8
Heat dissipation capacity	P_{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties		
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 6.0

Low-voltage industrial components (EG000017) / Accessories for control circuit devices (EC002024)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Low-voltage switch technology (accessories) / Control circuit devices (accessories) (ecl@ss8.1-27-37-92-16 [ACO043008])		
Type of electrical accessory		Resistor block
Type of mechanical accessory		-

Approvals

Product Standards		IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94-91; CE marking
UL File No.		E29184
UL Category Control No.		NKCR
CSA File No.		012528
CSA Class No.		3211-03
North America Certification		UL listed, CSA certified
Degree of Protection		UL/CSA Type: -

Dimensions

Pushbutton with M22-(C)K…
Pushbutton with M22-(C) LED… + M22-XLED…

Additional product information (links)

IL04716009Z (AWA1160-1747) Series element RMQ-Titan

IL04716009Z (AWA1160-1747) Series element RMQ-Titan	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716009Z2015_02.pdf