



Double actuator pushbutton, RMQ-Titan, Actuators and indicator lights non-flush, momentary, 1 NC, 1 N/O, White lens, LED element, 85 - 264 V AC, green, red, inscribed, Bezel: titanium



Part no. M22-DDL-GR-X1/X0/K11/230-W  
216509  
EL Number 4355282  
(Norway)

General specifications		
Product name		Eaton Moeller® series M22 Double actuator pushbutton
Part no.		M22-DDL-GR-X1/X0/K11/230-W
EAN		4015082165093
Product Length/Depth		30 millimetre
Product height		55 millimetre
Product width		30 millimetre
Product weight		0.015 kilogram
Certifications		UL File No.: E29184 CSA-C22.2 No. 94-91 IEC/EN 60947-5 UL Category Control No.: NKCR UL IEC/EN 60947 VDE 0660 CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 CSA File No.: 012528 CE CSA UL 508 LR DNV GL
Product Tradename		M22
Product Type		Double actuator pushbutton
Product Sub Type		None
Catalog Notes		85 - 264 V AC Contacts with safety function, by positive opening to IEC/EN 60947-5-1
Features & Functions		
Bezel color		Chrome
Bezel material		Plastic
Design		Non-Flush Classical
Electric connection type		Screw connection
Features		Transparent
Fitted with:		Front ring LED element
Inscription		Inscribed
Light color		White
General information		
Degree of protection		NEMA 4X, 13 IP66
Lifespan, mechanical		1,000,000 Operations (AC operated)
Opening diameter		22.5 mm
Operating frequency		1800 Operations/h
Overvoltage category		III
Pollution degree		3
Product category		RMQ-Titan
Size		Front dimensions: 29,7 x 54,7 mm
Suitable for		Illumination
Type		Double actuator
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
<b>Climatic environmental conditions</b>			
Ambient operating temperature - min			-25 °C
Ambient operating temperature - max			70 °C
Climatic proofing			Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
<b>Short-circuit rating</b>			
Rated conditional short-circuit current (I <sub>q</sub> )			1 kA
<b>Communication</b>			
Connection to SmartWire-DT			No
Connection type			Screw connection
<b>Actuator</b>			
Actuating force			5 N
Actuator color			Green, red
Actuator function			Spring-return Momentary
Actuator travel and actuation force (DIN EN 60947-5-1)			4.8 mm
Knob travel			5.7 mm
<b>Contacts</b>			
Force for positive opening - min			15 N
Number of contacts (change-over contacts)			0
Number of contacts (normally closed contacts)			1
Number of contacts (normally open contacts)			1
<b>Design verification</b>			
Equipment heat dissipation, current-dependent P <sub>vid</sub>			0 W
Heat dissipation capacity P <sub>diss</sub>			0 W
Heat dissipation per pole, current-dependent P <sub>vid</sub>			0.11 W
Rated operational current for specified heat dissipation (I <sub>n</sub> )			6 A
Static heat dissipation, non-current-dependent P <sub>vs</sub>			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			Please enquire
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) / Push button, complete (EC001028)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Push-button actuator, complete unit (ecl@ss13-27-37-12-28 [AKF046019])			
Number of command positions			2
Type of button			Flat
Colour button			Red/green
Transparent			Yes
Construction type lens			Round
Hole diameter		mm	22.5
Width opening		mm	0
Height opening		mm	0
Suitable for illumination			Yes
Switching function latching			No
Spring-return			Yes
Supply voltage lamp		V	230
Number of contacts as normally open contact			1
Number of contacts as normally closed contact			1
Number of contacts as change-over contact			0
Type of electric connection			Screw connection
With front ring			Yes
Material front ring			Plastic
Colour front ring			Chrome
Degree of protection (IP)			IP66
Degree of protection (NEMA)			4X, 13