DATASHEET - M22-D-W

Pushbutton, RMQ-Titan, Flat, momentary, White, Blank, Bezel: titanium

Part no. M22-D-W
216592

EL Number (Norway) 4355464

Powering Business Worldwide

General specifications

Product name	Eaton Moeller® series M22 Pushbutton
Part no.	M22-D-W
EAN	4015082165925
Product Length/Depth	30 millimetre
Product height	30 millimetre
Product width	30 millimetre
Product weight	0.009 kilogram
Compliances	CE Marked
Certifications	EN 60947-5 CSA Std. C22.2 No. 94-91 UL 508 CSA Std. C22.2 No. 14-05 IEC 60947-5 VDE CSA CSA Class No.: 3211-03 IEC/EN 60947 UL Category Control No.: NKCR CSA-C22.2 No. 94-91 CSA File No.: 012528 VDE 0660 UL CSA-C22.2 No. 14-05 IEC/EN 60947-5 CE UL File No.: E29184 GL DNV LR
Product Tradename	M22
Product Type	Pushbutton
Product Sub Type	None

Features & Functions

Bezel color	Titanium
Bezel material	Plastic
Design	Flat Classical
Fitted with:	Front ring
Inscription	Blank

General information

Degree of protection	IP66 NEMA 12 NEMA 4X NEMA 13 IP67 IP69K NEMA 3R
Degree of protection (front side)	NEMA 4X IP67/IP69K
Lifespan, mechanical	5,000,000 Operations
Opening diameter	22.5 mm
Operating frequency	3600 Operations/h
Product category	RMQ-Titan
Size	Front dimensions: 22 x 22 mm
Type	Pushbutton actuator

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, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Communication		
Connection to SmartWire-DT		With SWD-RMQ connections Yes
Actuator		
Actuating force		5 N
Actuator color		White
Actuator function		Spring-return Momentary
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		0 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		Not applicable.
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) / Front element for push button (EC000221)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for push-button actuators (ecl@ss13-27-37-12-10 [AKF028019])

Colour button		White
Number of command positions		1
Construction type lens		Round
Hole diameter	mm	22.5

Width opening		mm	0
Height opening		mm	0
Type of button			Flat
Suitable for illumination			No
With protective cover			No
Labelled			No
Switching function latching			No
Spring-return			Yes
With front ring			Yes
Material front ring			Plastic
Colour front ring			Titanium
Degree of protection (IP), front side			IP67/IP69K
Degree of protection (NEMA), front side			4X