DATASHEET - M22-D4-S

Position pushbutton, RMQ-Titan, Actuators non-flush, momentary, 4-fold, opposing pushbuttons not mechanically interlocked, Bezel: titanium

Powering Business Worldwide

Part no.	**M22-D4-S**
	279411
EL Number (Norway)	**4315308**

General specifications

Product name	Eaton Moeller® series M22 4-way pushbutton
Part no.	M22-D4-S
EAN	4015082794118
Product Length/Depth	55 millimetre
Product height	32 millimetre
Product width	55 millimetre
Product weight	0.022 kilogram
Compliances	CE Marked
Certifications	EN 60947-5 CSA Std. C22.2 No. 14-05 CSA Std. C22.2 No. 94-91 IEC 60947-5 UL 508 VDE CSA-C22.2 No. 14-05 UL Category Control No.: NKCR UL File No.: E29184 CSA-C22.2 No. 94-91 CE CSA CSA Class No.: 3211-03 IEC/EN 60947 CSA File No.: 012528 UL IEC/EN 60947-5 VDE 0660 GL LR DNV
Product Tradename	M22
Product Type	4-way pushbutton
Product Sub Type	None
Catalog Notes	4-fold

Features & Functions

Bezel color	Chrome
Bezel material	Plastic
Design	Non-Flush Classical
Fitted with:	Front ring
Functions	Opposing pushbuttons not mechanically interlocked
Inscription	No inscription

General information

Degree of protection	NEMA 3R NEMA 12 NEMA 4X NEMA 13 IP66
Degree of protection (front side)	NEMA 4X IP66
Lifespan, mechanical	200,000 Operations
Opening diameter	22.5 mm
Operating frequency	3600 Operations/h
Product category	RMQ-Titan
Size	Front dimensions: 55 x 55 mm
Type	Pushbutton

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
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Communication			
Connection to SmartWire-DT			Yes With SWD-RMQ connections
Actuator			
Actuating force			5 N
Actuator color			Black
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			Black
Number of command positions			4
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			Chrome
Degree of protection (IP), front side			IP66
Degree of protection (NEMA), front side			4X