DATASHEET - M22S-DR-S

Pushbutton, RMQ-Titan, Flat, maintained, black, Blank, Bezel: black

EAT·N
Powering Business Worldwide™

Part no.	M22S-DR-S
	216614

General specifications

Product name		Eaton Moeller® series M22 Pushbutton
Part no.		M22S-DR-S
EAN		4015082166144
Product Length/Depth		30 millimetre
Product height		30 millimetre
Product width		30 millimetre
Product weight		0.011 kilogram
Compliances		Bureau Veritas CE Marked GoST-R
Certifications		Lloyd's Register Certified CSA Certified CCC Marked UL Category Control No.: NKCR CE CSA File No.: 012528 VDE 0660 IEC/EN 60947 CSA UL CSA-C22.2 No. 94-91 IEC/EN 60947-5 UL 508 CSA-C22.2 No. 14-05 CSA Class No.: 3211-03 UL File No.: E29184 LR DNV GL
Product Tradename		M22
Product Type		Pushbutton
Product Sub Type		None
Catalog Notes		Includes contact block mounting adapter.

Features & Functions

Bezel color		Black
Bezel material		Plastic
Design		Flat Classical
Fitted with:		Front ring
Functions		Stay-put/spring-return function can be changed on device
Illumination		Non-illuminated
Inscription		Blank

General information

Degree of protection		IP66 NEMA 13 IP67 NEMA 3R IP69K NEMA 4X NEMA 12
Degree of protection (front side)		NEMA 4X IP67/IP69K
Lifespan, mechanical		1,000,000 Operations (AC operated)
Opening diameter		22.5 mm
Operating frequency		1800 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		30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27

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, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78

Communication

Connection to SmartWire-DT		With SWD-RMQ connections Yes

Actuator

Actuating force		5 N
Actuator color		Black
Actuator function		Maintained Switching function latching

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		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			Yes
Spring-return			No
With front ring			Yes
Material front ring			Plastic
Colour front ring			Black
Degree of protection (IP), front side			IP67/IP69K
Degree of protection (NEMA), front side			4X