

**Illuminated pushbutton actuator, RMQ-Titan, Flush, maintained, Blue,
Blank, Bezel: black**

**Part no. M22S-DRL-B
216953**

General specifications		
Product name		Eaton Moeller® series M22 Illuminated pushbutton actuator
Part no.		M22S-DRL-B
EAN		4015082169534
Product Length/Depth		30 millimetre
Product height		30 millimetre
Product width		30 millimetre
Product weight		0.012 kilogram
Certifications		UL File No.: E29184 UL Category Control No.: NKCR UL 508 VDE 0660 CE IEC/EN 60947-5 CSA File No.: 012528 CSA Class No.: 3211-03 CSA-C22.2 No. 94-91 UL CSA CSA-C22.2 No. 14-05 IEC/EN 60947 GL DNV LR
Product Tradename		M22
Product Type		Illuminated pushbutton actuator
Product Sub Type		None
Features & Functions		
Bezel color		Black
Bezel material		Plastic
Design		Flush Classical
Fitted with:		Front ring
Functions		Stay-put/spring-return function can be changed on device
Inscription		Blank
General information		
Degree of protection		NEMA 13 IP69K NEMA 12 NEMA 4X IP67 NEMA 3R IP66
Degree of protection (front side)		IP67/IP69K NEMA 4X
Lifespan, mechanical		1,000,000 Operations (AC operated)
Opening diameter		22.5 mm
Operating frequency		1800 Operations/h
Product category		RMQ-Titan
Size		Front diameter: 29.7 mm
Suitable for		Illumination
Type		Illuminated 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
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			Blue
Actuator function			Switching function latching Maintained
Contacts			
Force for positive opening - min			0 N
Design verification			
Equipment heat dissipation, current-dependent Pvid			0 W
Heat dissipation capacity Pdis			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			Blue
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			Yes

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