## **DATASHEET - M22-DDL-WS-X1/X0**

Double actuator pushbutton, RMQ-Titan, Actuators and indicator lights non-flush, momentary, White lens, white, black, inscribed, Bezel: titanium



Part no. M22-DDL-WS-X1/X0

216706

EL Number 4355660

(Norway)

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Product name	Eaton Moeller® series M22 Double actuator pushbutton
Part no.	M22-DDL-WS-X1/X0
EAN	4015082167066
Product Length/Depth	30 millimetre
Product height	55 millimetre
Product width	30 millimetre
Product weight	0.015 kilogram
Certifications	UL Category Control No.: NKCR CSA Class No.: 3211-03 IEC/EN 60947 VDE 0660 UL UL File No.: E29184 CSA-C22.2 No. 14-05 CSA File No.: 012528 CE IEC/EN 60947-5 CSA CSA-C22.2 No. 94-91 UL 508 LR GL DNV
Product Tradename	M22
Product Type	Double actuator pushbutton
Product Sub Type	None
Bezel color	Chrome
Bezel material	Plastic
Design	Non-Flush Classical
Features	Labelled
Fitted with:	Front ring
Inscription	Inscribed
Lens color	White
Degree of protection	NEMA 13 IP66 NEMA 12 NEMA 4X NEMA 3R
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: 29,7 x 54,7 mm
Suitable for	Illumination
Туре	Double actuator
Mounting position	As required
Shock resistance Shock resistance	Mechanical, According to IEC/EN 60068-2-27 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms

Ambient operating temperature - min Ambient operating temperature - max Ambient operating temperature - max Ambient storage temperature - max Ambient storage temperature - max Bo °C Ambient storage temperature - max Bo °C Climatic proofing Damp heat, constant, to IEC 60088-2-78  Connection to SmartWire-DT With SWD-BMQ connections Yes  Actuating force Actuator function A
Ambient operating temperature - max  Ambient storage temperature - min  Ambient storage temperature - max  Climatic proofing  Connection to SmartWire-DT  Wish SWD-RMQ connections Yes  Actuating force  Actuator color  Actuator color  Actuator function  Actuator function  Force for positive opening - min  Force for positive opening - min  Capaignating to pole, current-dependent Pvid  Heat dissipation, current-dependent Pvid  Heat dissipation par pole, current-dependent Pvid  Rated operational current for specified heat dissipation (in)  Static heat dissipation, non-current-dependent Pvs  10.2.3 Verification of thermal stability of enclosures  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Nechanical impact  10.2.6 Mechanical impact  10.2.7 Inscriptions  Meets the product standard's requirements.  10.2.8 Meets the product standard's requirements to be evaluated.  10.2.9 Does not apply, since the entire switchgear needs to be evaluated.  10.2.1 Inscriptions  Meets the product standard's requirements.  10.2.2 Inscriptions  Meets the product standard's requirements.
Ambient storage temperature - min Ambient storage temperature - max  Climatic proofing Damp heat, cyclic, to IEC 60088-2-30 Damp heat, constant, to IEC 60088-2-30 Damp heat, constant, to IEC 60088-2-78  Connection to SmartWire-DT With SWD-RMQ connections Yes  Actuating force S N  Actuator color Actuator function Spring-return Spring-return  Force for positive opening - min ON  Cupanity and dissipation, current-dependent Pvid OW  Heat dissipation capacity Pdiss OW  Heat dissipation per pole, current-dependent Pvid OW  Rated operational current for specified heat dissipation(In) Static heat dissipation, nor-current-dependent Pvid OW  Rated operational current for specified heat dissipation(In) OA  Static heat dissipation, nor-current-dependent Pvid OW  Rated operational current for specified heat dissipation (In) OA  Static heat dissipation on procurrent-dependent Pvid OW  Rated operational current for specified heat dissipation (In) OA  Static heat dissipation, non-current-dependent Pvid OW  Rated operational current for specified heat dissipation (In) OA  Static heat dissipation, non-current-dependent Pvis  DO2.2 Corrosion resistance OA  10.2.2 Verification of thermal stability of enclosures OA  Meets the product standard's requirements.  10.2.3 Verification of thermal stability of enclosures OA  DOEs not apply, since the entire switchgear needs to be evaluated.  10.2.5 Michael impact ODes not apply, since the entire switchgear needs to be evaluated.  10.2.6 Meets the product standard's requirements.  10.2.7 Inscriptions ODes not apply, since the entire switchgear needs to be evaluated.  10.4 Clearances and creepage distances ODes not apply, since the entire switchgear needs to be evaluated.  10.4 Clearances and creepage distances ODes not apply, since the entire switchgear needs to be evaluated.  10.4 Clearances and creepage distances
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Climatic proofing  Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78  With SWD-RMQ connections Yes  Actuating force  Actuator function  Actuator function  Black and white  Actuator function  Momentary Spring-return  O N  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  O W  Heat dissipation, per pole, current-dependent Pvid  Batic hand unisupation, non-current-dependent Pvid  O W  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  O W  10.2.2 Corrosion resistance  O W  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  10.2.3.2 Resist or 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  10.2.5. Lifting  Does not apply, since the entire switchgear needs to be evaluated.  10.2.5. Inscriptions  Meets the product standard's requirements.  10.2.5 Inscriptions  Meets the product standard's requirements.  10.3.1 Degree of protection of assemblies  Does not apply, since the entire switchgear needs to be evaluated.  10.2.2 Inscriptions  Meets the product standard's requirements.  Meets the product standard's requirements.
Connection to SmartWire-DT  With SWD-RMQ connections Yes  Actuating force  Actuator color  Actuator function  Actuator function  Connection to SmartWire-DT  With SWD-RMQ connections Yes  S N  Actuator function  Actuator function  Momentary Spring-return  O N  Equipment heat dissipation, current-dependent Pvid  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  O W  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  O W  Static heat dissipation, non-current-dependent Pvs  O W  10.2.2 Corrosion resistance  Meets the product standard's requirements.  102.3.1 Verification of thermal stability of enclosures  102.3.2 Verification of tremal stability of enclosures  102.3.3 Resist of insul. mat. to abnormal heat fire by internal elect. effects  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  10.2.7 Inscriptions  Meets the product standard's requirements.  Meets the product standard's requirements.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  10.2.7 Inscriptions  Meets the product standard's requirements.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  10.2.7 Inscriptions  Meets the product standard's requirements.  Meets the product standard's requirements.
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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 observed.
10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear must observed.
10.13 Mechanical function  The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

## **Technical data ETIM 8.0**

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@ss10.0.1-27-37-12-10 [AKF028014])

(eci@5510.0.1-27-37-12-10 [ARF020014])		
Colour button		Black/white
Number of command positions		2
Construction type lens		Oval
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	Yes
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