$\label{eq:pushbutton} \textbf{Pushbutton, RMQ-Titan, Extended, momentary, green, inscribed, Bezel: } \\ \textbf{titanium}$ 



Part no. M22-DH-G-X1

216657

EL Number

4355623

(Norway)
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(NUI Way)	
General specifications	
Product name	Eaton Moeller® series M22 Pushbutton
Part no.	M22-DH-G-X1
EAN	4015082166571
Product Length/Depth	30 millimetre
Product height	35 millimetre
Product width	30 millimetre
Product weight	0.012 kilogram
Certifications	CSA-C22.2 No. 94-91 CSA File No.: 012528 VDE 0660 UL File No.: E29184 CE IEC/EN 60947 UL 508 UL Category Control No.: NKCR IEC/EN 60947-5 CSA-C22.2 No. 14-05 UL CSA CSA Class No.: 3211-03 LR GL DNV
Product Tradename	M22
Product Type	Pushbutton
Product Sub Type	None
Features & Functions	
Bezel color	Titanium
Bezel material	Plastic
Design	Extended Classical
Features	Labelled
Fitted with:	Front ring
Inscription	Inscribed
General information	
Degree of protection	IP67 NEMA 4X IP66 NEMA 3R NEMA 13 NEMA 12 IP69K
Degree of protection (front side)	IP67/IP69K NEMA 4X
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
Туре	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 - mix Ambient operating temperature - mix Ambient storage temperature - mix Am		
Ambiert storage temperature - min Ambiert storage temperature - minx 80 °C Communication Commercion to SmartWire-DT Ves Commercion to SmartWire-DT Ves With SVVD-RMQ connections  Actuator Actuator Actuator refor Actuator profit Actuator refor Actuator Actuator Actuator Actuator Actuator Actuator Actuator A	Ambient operating temperature - min	-25 °C
Ambient storage temperature - max Climate propring Dempherat, cyclic, to IIC 60008-2-30 Dumpherat, cyclic, to IIC 60008-2-30 Dumpherat consum's to IEC 00008-2-78  Vas. With SWO-RMQ connections  Vas. With SWO-RMQ connections  Actuator Actuator function Momentary Systip greature Actuator function Momentary Systip greature Force for pendidue opening - min Design verification Equipment hear dissipation, current-dependent Puid Hear dissipation current of specified beat dissipation (Intel Read dissipation) current-dependent Puid OV Read dissipation propio, current-dependent Puid OV Read dissipation current for specified beat dissipation (Intel Static hear dissipation, resistance of mulation materials to normal heat Intel dissipation of therein a stability of encolosures Meets the product standard's requirements. In 2.2.1 Verification of therein a stability of encolosures Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since	Ambient operating temperature - max	70 °C
Communication  Connection to SmartWire-DT  Actuator  Actuator of Win SWD-RMD connections  Actuator of Win SWD-RMD connections  Actuator of Win SWD-RMD connections  Actuator of Oreen  Actuator of Oreen  Actuator of Oreen  Actuator of Win SWD-RMD connections  Momentary Synog-return  Momentary Synog-return  ON  Design verification  Equipment heat dissipation, current dependent Poid  OW  Heat dissipation capacity Plass  OW  Heat dissipation of period, precification of Windows of Wind	Ambient storage temperature - min	40 °C
Communication  Connection to SmartWire-OT  Actuator  Actuator  Actuator  Actuator  Actuator  Actuator  Actuator function  Momentary Spring return  On  Dosign verification  Equipment heat dissipation, current-dependent Pvid  OW  Heat dissipation appacity Polics  Heat dissipation appacity Polics  OW  Read apparational current for specified heat dissipation [Ini]  Static heat dissipation, current-dependent Pvid  OW  Read apparational current for specified heat dissipation [Ini]  Static heat dissipation, on-urrent-dependent Pvid  OW  Read apparation of current-dependent Pvid  OW  Read apparation of current-dependent Pvid  Initiative function of thermal stability of enclosures  Meets the product standard's requirements.  Initiative function of thermal stability of enclosures  Meets the product standard's requirements.  Initiative function of thermal stability of enclosures  Meets the product standard's requirements.  Initiative function of thermal stability of enclosures  Meets the product standard's requirements.  Initiative function of thermal stability of enclosures  Meets the product standard's requirements.  Initiative function of the entire evolichages needs to be evaluated.  Initiative function of exception end to be evaluated.  Initiative function	Ambient storage temperature - max	80 °C
Connection to SmartWire-DT  Actuator  Actuating force  Actuating force  Actuating force  Actuating force  Actuating force  Actuater color  Actuater function  Memoretary Spring-return  ON  Design verification  Equipment heat dissipation, current-dependent Pvid  Near dissipation capacity Polis  OW  Rated operational current for specified heat dissipation (in)  Rated operational current for specified heat dissipation in the national current for specified heat dissipation in the national current for specified in current for specific	Climatic proofing	
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Actuating force Actuator color Actuator function  Force for positive opening - min  Design verification  Equipment heat dissipation, current-dependent Pvid Hoat dissipation per pole, current-dependent Pvid U2.2 Corrosion resistance  Mest dissipation per pole, current-dependent Pvid U2.2 Sortion heat dissipation, non-current-dependent Pvis U2.2.2 Verification of resistance  Mest dissipation per pole, current dependent Pvid U2.2.3 Resist of insul mat to abnormal heat dissipation (in) U2.2.3 Verification of resistance of insulating materials to normal heat U2.2.3 Resist of insul mat to abnormal heat fire by internal elect. effects U2.4 Resistance to ultra-violet (UV) rediation U2.5 Lifting U2.5 Lifting U2.5 Lifting U2.6 Mechanical impact U2.7 Inscriptions U2.8 Descriptions U2.8 Descriptions U2.9 Protection of assemblies U2.4 Resistance and cropapye distances U3.5 Protection against electric-shock U3.6 Recommendances U3.6 Protection of against electric-shock U3.6 Recommendances U3.6 Protection of against electric shock U3.6 Recommendances U3.6 Protection of against electric shock U3.6 Recommendances U3.6 Protection against electric strength U3.6 Comencions for external conductors U3.6 Recommendances U3.6 Protection of against electric strength U3.6 Comencions for external conductors U3.6 Recommendances U3.6 Protection of against electric strength U3.6 Comencions for external conductors U3.6 Recommendances U3.6 Recommen	Connection to SmartWire-DT	
Actuator color Actuator function  Contacts  Force for positive opening - min  Design verification  Equipment heat dissipation, current-dependent Pvid  Actuator for persistence of the second of the s	Actuator	
Actuator function  Contacts  Force for positive opening - min  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation par pole, current-dependent Pvid  Net and dissipation per pole, current-dependent Pvid  Net dissipation per pole per pole per pole per pole per pole per per per per per per per per per pe	Actuating force	5 N
Contacts Force for positive opening - min  Design verification  Equipment heat dissipation, current-dependent Pvid  Authority of the sissipation capacity Pdiss  OW  Heat dissipation capacity Pdiss  OW  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  OW  Rated operational current for specified heat dissipation (In)  OA  Static heat dissipation, non-current-dependent Pvs  OW  10.2.2 Corrosion resistance  Meets the product standard's requirements.  10.2.3 Verification of thermal stability of enclosures  Meets the product standard's requirements.  Meets the product standard's requirements.  10.2.4 Resistance to ultra-violet (IV) radiation  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.  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.  Meets the product standard's requirements.  10.5 Incorporation of assemblies  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Incorporation of switching devices and components  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.  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  See possibility.  10.12 Electromagnetic compatibility  Is the panel builder's responsibility.  10.12 Electromagnetic compatibility  The device meets the requirements, provided the information in the instruction  The device meets the requirements, provided th	Actuator color	Green
Porce for positive opening - min  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  0 W  Heat dissipation capacity Pdiss  0 W  Rated operational current for specified heat dissipation [In]  Static heat dissipation, non-current-dependent Pvid  0 W  10.22 Corrosion resistance  10.23.1 Verification of thermal stability of enclosures  10.23.2 Verification of resistance of insulating materials to normal heat  10.23.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  10.24.4 Resistance to ultra-violet (UV) radiation  10.25.8 Lifting  10.26 Mechanical impact  10.27 Inscriptions  10.28 Mechanical impact  10.29 Inscriptions  Meets the product standard's requirements.  10.3 Degree of protection of assemblies  10.4 Clearances and creepage distances  10.5 Portection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for extranal conductors  10.9 Power-frequency electric strength  10.9 Connections for extranal conductors  10.9 Power-frequency electric strength  10.9 Connections for extranal conductors  10.9 Romerous for extranal conductors  10.9 Ro	Actuator function	·
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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.  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.  10.9.2 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  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	10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
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10.27 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.  Meets the product standard's requirements.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  In Internal electrical circuits and connections  Is the panel builder's responsibility.  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  In Internal electrical circuits and connections  Is the panel builder's responsibility.  In Internal electrical circuits and connections  Is the panel builder's responsibility.  In Internal electrical circuits and connections  Is the panel builder's responsibility.  In Internal electrical circuits and connections  Is the panel builder's responsibility.  In Internal electrical circuits and connections  Is the panel builder's responsibility.  In Internal electrical circuits and connections  Is the panel builder's responsibility.  In Internal electrical circuits and connections  In the panel builder's responsibility.  In Internal electrical circuits and connections  In the panel builder's responsibility.  In Internal electrical circuits and connections  Internal electric entire switchgear needs to be evaluated.  Internal electric switchgear needs to be evaluated.	10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.3 Degree of protection of assemblies  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.12 Electromagnetic compatibility  10.13 Mechanical function  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  The specifications for the switchgear must be observed.  Is the panel builder's responsibility. The specifications for the switchgear must be observed.	10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  It is the panel builder's responsibility.  The specifications for the switchgear must be observed.  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  Is the panel builder's responsibility. The specifications for the switchgear must be observed.	10.2.7 Inscriptions	Meets the product standard's requirements.
10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function  Does not apply, since the entire switchgear needs to be evaluated.  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  The specifications for the switchgear must be observed.  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  Is the panel builder's responsibility. The specifications for the switchgear must be observed.	10.3 Degree of protection of assemblies	Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  1s the panel builder's responsibility.  10.8 Connections for external conductors  1s the panel builder's responsibility.  10.9.2 Power-frequency electric strength  1s the panel builder's responsibility.  1s the panel builder's responsibility. The specifications for the switchgear must be observed.  1s the panel builder's responsibility. The specifications for the switchgear must be observed.  1s the panel builder's responsibility. The specifications for the switchgear must be observed.  1s the panel builder's responsibility. The specifications for the switchgear must be observed.  1s the panel builder's responsibility. The specifications for the switchgear must be observed.  The device meets the requirements, provided the information in the instruction	10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.7 Internal electrical circuits and connections  1s the panel builder's responsibility.  10.8 Connections for external conductors  1s the panel builder's responsibility.  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  1s the panel builder's responsibility.  10.9.4 Testing of enclosures made of insulating material  1s the panel builder's responsibility.  10.10 Temperature rise  10.11 Short-circuit rating  1s the panel builder's responsibility.  Not applicable.  10.12 Electromagnetic compatibility  1s 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	10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.8 Connections for external conductors  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  1s the panel builder's responsibility.  Is the panel builder's responsibility.  Not applicable.  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  10.12 Electromagnetic compatibility  The device meets the requirements, provided the information in the instruction	10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
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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.  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	10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material  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	10.9.2 Power-frequency electric strength	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	10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
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	10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
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	10.10 Temperature rise	Not applicable.
observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.11 Short-circuit rating	
	10.12 Electromagnetic compatibility	
	10.13 Mechanical function	

## **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 [AKF078019])

[AKF028019])		
Colour button		Green
Number of command positions		1
Construction type lens		Round
Hole diameter	mm	n 22.5
Width opening	mm	n 0
Height opening	mm	n 0

Type of button	High
Suitable for illumination	No
With protective cover	No
Labelled	Yes
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