## **DATASHEET - M22-D-G**



## Pushbutton, RMQ-Titan, Flat, momentary, green, Blank, Bezel: titanium



Powering Business Worldwide

Part no. M22-D-G 216596

**EL Number 4355603** 

(Norway)

General specifications	
Product name	Eaton Moeller® series M22 Pushbutton
Part no.	M22-D-G
EAN	4015082165963
Product Length/Depth	30 millimetre
Product height	30 millimetre
Product width	30 millimetre
Product weight	0.009 kilogram
Compliances	CE Marked
Certifications	EN 60947-5 IEC 60947-5 CSA Std. C22.2 No. 14-05 CSA Std. C22.2 No. 94-91 UL 508 VDE UL File No.: E29184 IEC/EN 60947-5 UL CE CSA Class No.: 3211-03 VDE 0660 UL Category Control No.: NKCR IEC/EN 60947 CSA-C22.2 No. 94-91 CSA-C22.2 No. 14-05 CSA File No.: 012528 CSA DNV GL LR
Product Tradename	M22
Product Type	Pushbutton
Product Sub Type	None
Features & Functions	
Bezel color	Titanium
Bezel material	Plastic
Color	Green
Design	Flat Classical
Fitted with:	Front ring
Inscription	Blank
General information	
Degree of protection	IP67 NEMA 4X NEMA 13 NEMA 3R IP66 NEMA 12 IP69K
Degree of protection (front side)	NEMA 4X IP67/IP69K
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

observed.	Shock resistance	Mechanical, According to IEC/EN 60068-2-27 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms
Authient storges temporature - max Authent storage temporature - max Authent storage temporature - max  Cimatic proofing  Communication  Connection to SmartWire-DT  Winner Storage Storage Actuator  Actuator  Actuator  Actuator  Actuator  Actuator  Actuator grove  Actuator color  Actuator color  Actuator color  Actuator proofing  B N  Bonestary  Spring-return  B N  Bonestary  Spring-return  Govern  Actuator color  Green  Actuator color  Green  Actuator color  Bossign verification  Guy  Best disaptation, current-dependent Pvid  B N  Best disaptation apportly Pdis  Heat disaptation apportly Pdis  Heat disaptation are pole, current-dependent Pvid  B N  Basta dependant current for specified heat disaptation liti)  B State heat disaptation are pole, current-dependent Pvis  B W  Basta dependant current for specified heat disaptation liti)  B A State heat disaptation are pole, current-dependent Pvis  B W  B W  B W  B W  B W  B W  B W  B	Climatic environmental conditions	
Ambient storage temperature - min Ambient storage temperature - max  Climate propring  Communication  Commerciation  Commerciation Smart/Wire-DT  Actuator  Actuator Smart/Wire-DT  Actuator  Actuator  Actuator color  Actuator color  Actuator of Smart/Wire-DT  Actuator of Smart/Wire-DT  Actuator color  Actuator color  Actuator properties of SN  Actuator  Actuator properties of SN  Actuator color  Actuator properties of Snart Shart	Ambient operating temperature - min	-25 °C
Ambient storage temperature - max  Communication  Connection  Connection  Connection  Actuator  Actuator with SWD-RMQ connections  Monarthry  Actuator function  Connection  C	Ambient operating temperature - max	70 °C
Communication Connection to SmartNive OT  Actuator  Actuator  Actuator of Communication  Connection to SmartNive OT  Actuator of Connection of Connect	Ambient storage temperature - min	40 °C
Communication  Connection to SmartWire-DT  Actuator  Actuator color  Actuator color  Actuator function  Momentary Spring-return  Design verification  Equipment heat dissipation, current-dependent Pvid  OW  Heat dissipation apactly Pdss  OW  Read dissipation apactly Pdss  OW  Read dissipation accurrent for specification of the self-self-self-self-self-self-self-self-	Ambient storage temperature - max	2° 08
Connection to SmartWire-DT  Actuator  Actuator color  Actuator color  Actuator color  Actuator color  Actuator function  Spring-rotum  ON  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation or pack, current-dependent Pvid  Heat dissipation or pack, current-dependent Pvid  Retail displation, our-current-dependent Pvid  Rated operational current for specified heat dissipation (Inc)  Retail dependent to product standard or requirements.  Retail the product standard's requirements.  Retail the product stan	Climatic proofing	
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Actuation force  Actuator function  Actuator function  Actuator function  Actuator function  Bosign verification  Confacts  Force for positive opening - min  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation capacity Pdiss  Heat dissipation current or specified heat dissipation (urrent-dependent Pvid  Heat dissipation current or specified heat dissipation (in)  Static heat dissipation, one-current-dependent Pvid  Heat dissipation in capacity Pdiss  UW  Heat dissipation in capacity Pdiss  UW  Static heat dissipation, non-current-dependent Pvid  UW  Static heat dissipation, non-current-dependent Pvid  UR  Static heat dissipation, non-current-dependent Pvid  Meats the product standard's requirements.  UR  UR  UR  UR  UR  UR  UR  UR  UR  U	Connection to SmartWire-DT	
Actuator color Actuator function  Contacts Force for positive opening - min  Dosign verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Band operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Band operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Band operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Band operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Band operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Band operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Band operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Band operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Band operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Band operational current for specified heat dissipation (In)  Basic dissipation, non-current-dependent Pvid  Band operational current for specified heat dissipation (In)  Basic dissipation, non-current-dependent Pvid  Band operational current for specified heat dissipation (In)  Basic dissipation, non-current dependent Pvid  Band operational current for specified heat dissipation (In)  Basic dissipation, non-current dependent Pvid  Band operational current for specified heat dissipation (In)  Basic dissipation, non-current dependent Pvid  Band operational current for specified heat dissipation (In)  Basic dissipation, non-current dependent Pvid  Band operational current for specified heat dissipation (In)  Basic dissipation, non-current dependent Pvid  Band operation	Actuator	
Actuator function  Contacts  Force for positive opening - min  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation, capacity Pdriss  Heat dissipation per pole, current-dependent Pvid  Attact operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Attact personal current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvis  10.2.2 Corrosion resistance  Meets the product standard's requirements.  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  10.2.6 Mechanical impact  10.2.7 Inscriptions  Meets the product standard's requirements.  10.2.8 Design of protection of assemblies  10.3 Degree of protection of assemblies  10.4 Clearances and croepage distances  10.5 Protection against electric shock  10.6 Roopposition of switching deviews and components  10.7 Internal electrical circuits and connections  10.8 Roopposition of switching deviews and components  10.9 Roopposition of switching deviews and components  10.9 Some cities for external conductors  10.9 Internal electrical circuits and connections  10.1 Internal electrical circuits and connections  10.2 Internal electrical circuits and connections  10.3 Degree of protection of assembliey  10.4 Testing of enclosures made of insulating material  10.4 Sepande builder's responsibility.  10.5 Internal electrical circuits and connections  10.6 Internal electrical circuits and connections  10.7 Internal electrical circuits and connections  10.8 Interporation of switching deviews and components  10.9 Internal electrical circuits and connections  10.9 Internal electrical circuits and connections  10.1 Internal electrical circuits and connections  10.2 Internal electrical circuits and connections  10.3 Internal	Actuating force	5 N
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10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects  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.  10.9.2 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  The device meets the requirements, provided the information in the instruction	10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation  Please enquire  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.  10.8 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  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	10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
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.	10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
10.2.6 Mechanical impact  10.2.7 Inscriptions  Meets the product standard's requirements.  10.3 Degree of protection of assemblies  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.  10.10 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  The device meets the requirements, provided the information in the instruction	10.2.4 Resistance to ultra-violet (UV) radiation	Please enquire
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.  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	10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
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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  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.  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.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  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	10.3 Degree of protection of assemblies	Does not apply, since the entire switchgear needs to be evaluated.
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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  Is 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		11.7
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  10.13 Mechanical function  Is the panel builder's responsibility.  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	
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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		
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	10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
	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 [AKF028019])

Colour button		Green
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		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