Illuminated pushbutton actuator, RMQ-Titan, Extended, momentary, green, Blank, Bezel: titanium



Part no. M22-DLH-G

216969

EL Number

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General specifications	
Product name	Eaton Moeller® series M22 Illuminated pushbutton actuator
Part no.	M22-DLH-G
EAN	4015082169695
Product Length/Depth	30 millimetre
Product height	35 millimetre
Product width	30 millimetre
Product weight	0.012 kilogram
Compliances	CE Marked
Certifications	IEC 60947-5 UL 508 CSA Std. C22.2 No. 14-05 EN 60947-5 CSA Std. C22.2 No. 94-91 VDE UL File No.: E29184 CSA-C22.2 No. 14-05 IEC/EN 60947-5 CSA File No.: 012528 CSA-C22.2 No. 94-91 CSA VDE 0660 CSA Class No.: 3211-03 CE IEC/EN 60947 UL UL Category Control No.: NKCR LR DNV GL
Product Tradename	M22
Product Type	Illuminated pushbutton actuator
Product Sub Type	None
Features & Functions	
Bezel color	Titanium
Bezel material	Plastic
Design	Extended Classical
Fitted with:	Front ring
Inscription	Blank
Material	Titanium front ring
General information	
Degree of protection	IP67 IP69K NEMA 12 NEMA 3R NEMA 4X IP66 NEMA 13
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 diameter: 29.7 mm
Suitable for	Illumination
Туре	Illuminated pushbutton actuator

Mounting position Shock resistance Shock resistance Machanical According to IEC/EN 8098-2-27, Sinusaidal shock 11 ms  Climatic environmental conditions  Anhoist operating temperature - min Communication  Communication  Communication  Communication  Actuating force A	Ambient conditions mechanical	
Direct resistance   20	Ambient conditions, mechanical	
Image de environmental conditions  Antibert operating temperature - max  Antibert operating temperature - max  Cimate providing  Communication  Actuator cooler  Actuator cooler  Actuator cooler  Actuator cooler  Actuator cooler  Communication  Co		
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Communication  Connection to SmartWire-DT  Actuating force Act	Ambient operating temperature - max	70 °C
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Actuator color Actuator function  Contacts  Force for positive opening - min  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation per pole, current-dependent Pvid  Heat dissipation, non-current-dependent Pvid  Actuator function of perification  Static heat dissipation, non-current-dependent Pvid  Heat dissipation, non-current-dependent Pvid  Actuator for specification of restance of insulating material to normal heat  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of restance of insulating materials to normal heat  10.2.3.3 Exist heat dissipation to abnormal heat/fire by internal elect. effects  10.2.4.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  10.2.5 Lifting  10.2.5 Lifting  10.2.5 Lifting  10.2.5 Mechanical impact  10.2.7 Inscriptions  Meets the product standard's requirements.  10.2.5 Lifting  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Meets the product standard's requirements.  10.2 Protection of assemblies  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  10.3 Negree of protection of assemblies  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  10.4 Clearances and crepage distances  Meets the product standard's requirements.  10.5 Protection applies with the product standard's requirements.  10.6 Protection of switching devices and components  10.7 Hormal electrical circuits and commocions  10.8 L	Actuator	
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Spring-return	Actuator color	Green
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10.2.4 Resistance to ultra-violet (UV) radiation  Please enquire  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.  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.  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.  Does not apply, since the entire switchgear needs to be evaluated.  In the panel builder's responsibility.  Does not apply, since the entire switchgear needs to be evaluated.  In the panel builder's responsibility.  Does not apply, since the entire switchgear needs to be evaluated.  In the panel builder's responsibility.  Does not apply, since the entire switchgear needs to be evaluated.  In the panel builder's responsibility.  Does not apply, since the entire switchgear needs to be evaluated.  In the panel builder's responsibility.  Does not apply, since the entire switchgear needs to be evaluated.  In the panel builder's responsibility.  Does not apply, since the entire switchgear needs to be evaluated.  In the panel builder's responsibility.  Does not apply, since the entire switchgear needs to be evaluated.  In the panel builder's responsibility.  Does not apply, since the entire switchgear needs to be evaluated.  In the panel builder's responsibility.  Does not apply, since the entire switchgear needs to be evaluated.  In the panel builder's responsibility.  Does not apply, since the entire switchgear needs to be evaluated.  In the panel bui	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.  10.9.2 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	10.2.3.3 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  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Power-frequency electric strength  10.9.1 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.  Is the panel builder's responsibility.  In the panel builder's responsibility. The specifications for the switchgear must be observed.	10.2.4 Resistance to ultra-violet (UV) radiation	Please enquire
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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  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.  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.
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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  1 Is the panel builder's responsibility.  1 Is the panel builder's responsibility. The specifications for the switchgear must be observed.  1 Is the panel builder's responsibility. The specifications for the switchgear must be observed.  1 Is the panel builder's responsibility. The specifications for the switchgear must be observed.  1 Is the panel builder's responsibility. The specifications for the switchgear must be observed.  1 Is the panel builder's responsibility. The specifications for the switchgear must be observed.  1 Is the panel builder's responsibility. The specifications for the switchgear must be observed.	10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
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10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  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  10.14 Electromagnetic strength  10.15 Is the panel builder's responsibility. The specifications for the switchgear must be observed.  10.15 Is the panel builder's responsibility. The specifications for the switchgear must be observed.  10.16 Electromagnetic compatibility  10.17 In device meets the requirements, provided the information in the instruction	10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
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. 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	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
	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 [AKF028019])

Company of the Compan		
Colour button	Green	
Number of command positions	1	
Construction type lens	Round	

Hole diameter	m	nm	22.5
Width opening	m	mm	0
Height opening	m	mm	0
Type of button			High
Suitable for illumination			Yes
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