Illuminated pushbutton actuator, RMQ-Titan, Extended, maintained, White, Blank, Bezel: titanium



Part no. M22-DRLH-W

216788

EL Number (Norway)

4355651

(Norway)	
General specifications	
Product name	Eaton Moeller® series M22 Illuminated pushbutton actuator
Part no.	M22-DRLH-W
EAN	4015082167882
Product Length/Depth	30 millimetre
Product height	35 millimetre
Product width	30 millimetre
Product weight	0.013 kilogram
Compliances	Contact Manufacturer
Certifications	UL Category Control No.: NKCR CSA File No.: 012528 CSA Class No.: 3211-03 UL IEC/EN 60947 CSA VDE 0660 CSA-C22.2 No. 94-91 IEC/EN 60947-5 CE CSA-C22.2 No. 14-05 UL 508 UL File No.: E29184 GL DNV LR
Product Tradename	M22
Product Type	Illuminated pushbutton actuator
Product Sub Type	None
Features & Functions	
Bezel color	Titanium
Bezel material	Plastic
Color	White
Design	Extended Classical
Fitted with:	Front ring
Functions	Stay-put/spring-return function can be changed on device
Inscription	Blank
General information	
Degree of protection	IP67 NEMA 13 NEMA 4X NEMA 3R NEMA 12 IP69K IP66
Degree of protection (front side)	NEMA 4X IP67/IP69K
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
Туре	Illuminated pushbutton actuator
Ambient conditions, mechanical	
Mounting position	As required

observed.	Shock resistance	30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27
Ambient apperating temperature - max  Climate proefing  Damp heat, constant, to IEC 60088-2-39  Damp heat, constant, to IEC 60088-2-79  Win SWD-MMQ connections  Varies  Actuator  Actuator or  Actuator function  Equipment heat dissipation, current-dependent Proid  Actuator function  Equipment heat dissipation, current-dependent Proid  Actuator function  Equipment heat dissipation, current-dependent Proid  Actuator function function stanting  Equipment heat dissipation, current-dependent Proid  Actuator function function stanting  Equipment heat dissipation, current-dependent Proid  Actuator function of resistance or inclusion may be actually act	Climatic environmental conditions	
Communication  Communication  Communication  Communication  Commission to SeartWire-DT  Actuator  Actuator grace  Actuator grace  Actuator color  Actuator procession of SeartWire-DT  Actuator grace  Actuator procession of SeartWire-DT  Actuator grace  Actuator procession of SeartWire-DT  Actuator processio	Ambient operating temperature - min	-25 °C
Damp heat, constant, to IEC 000696-2-79  Communication  Commercion to SmartWire-DT  Actuating force Actualing function latching  Soliching function latching  Contacts  Force for positive opening - min  Design verification  Equipment heat dissipation, current-dependent Pvid  O W  Heat dissipation opacity Plass O W  Heat dissipation opacity Plass O W  Rated operational current-dependent Pvid O W  Rated operational current-for specification of the standard is requirements.  10.2.2 Corresion resistance of uncurrent-dependent Pvis O W  Rated operational current for specification of thermal stability of enclosures Meets the product standard's requirements.  10.2.3 I Verification of thermal stability of enclosures Meets the product standard's requirements.  10.2.3 I Verification of resistance of insulating materials to normal heat 10.2.3 I Verification of resistance of insulating materials to normal heat 10.2.4 Resistance to the violet (IVI) radiation 10.2.5 Lifting Does not apply, since the entire switchgarn needs to be evaluated.  10.2.6 Portaction of assemblies 10.2.7 Inscriptions 10.2.8 Recitation and definition of the violet (IVI) radiation 10.2.8 Recitation and one of the company of the product standard's requirements. 10.2.8 Portaction of assemblies 10.2.9 Experiments and creepage distances 10.2.9 Force for production of assemblies 10.2.0 Experiment of which products and components 10.2.0 Experiment of which give in a ten product standard's requirements. 10.2.1 Experiment of which give in a ten product standard's requirements. 10.2.1 Experiment of which give in a ten product standard's requirements. 10.2.1 Experiment of which give in a ten product standard's requirements. 10.2.1 Experiment of which give in a ten product standard's requirements. 10.3 Insertion of assemblies 10.4 Dess not apply, since the entire switchgarn needs to be evaluated. 10.5 Protection oparities	Ambient operating temperature - max	70 °C
Connection to SmartWire-DT  With SWD-RMQ connections Yes  Actuating force  Actuating force  Actuating force  Actuating force  Actuating force  Actuating force  Actuator color  Actuator function  Contacts  Contacts  Force for positive opening - min  Design verification  Equipment heat dissipation, current-dependent Pvid  OW  Heat dissipation capacity PGias  OW  Rated operational current for specified heat dissipation (in)  Astac heat dissipation, non-current-dependent Pvid  OW  Rated operational current for specified heat dissipation (in)  Astac heat dissipation, non-current-dependent Pvis  OW  Meets the product standard's requirements.  102.22 Verification of thermal stability of enclosures  Meets the product standard's requirements.  102.23 Verification of thermal stability of enclosures  Meets the product standard's requirements.  Meets the product standard's requirements.  102.24 Resistance to ultra-violet (UV) radiation  102.25 Lifting  Does not apply, since the entire switchgaer needs to be evaluated.  102.26 Inscriptions  Meets the product standard's requirements.  102.27 Inscriptions  Meets the product standard's requirements.  102.28 Dees not apply, since the entire switchgaer needs to be evaluated.  102.29 Inscriptions  103.29 Protection of assemblies  Does not apply, since the entire switchgaer needs to be evaluated.  104.01 Inscriptoration of switching devices and components  105.29 Protection against electric shock  106.10 Inscriptoration of switching devices and components  107.21 Rescriptions  108.29 Prover-framed electrical circuits and connections  109.31 Inspires withstand voltage  109.41 Stone-circuit rating  109.42 Prover-framed electrical circuits and connections  109.43 Provercion rating and connections  109.44 Step and builder's responsibility.  109.54 Prover-framed electrical circuits and connections  109.55 Provercion rating and connections  109.65 Prover-framed electrical circuits and connections  109.65 Prover-framed electrical circuits and connections  109.65 Prover-framed electrical	Climatic proofing	
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Contacts Force for positive opening - min  Design verification  Equipment heat dissipation, current-dependent Pvid  OW  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  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)  Static heat dissipation, non-current-dependent Pvid  OW  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.  10.2.3.2 Verification of resistance of insulating materials to normal heat  Meets the product standard's requirements.  10.2.3.2 Verification of selection of thermal elect. effects  Meets the product standard's requirements.  10.2.3 Resistance to ultra-violet (UV) rediation  10.2.5 A Resistance to ultra-violet (UV) rediation  10.2.5 Mechanical impact  Does not apply, since the entire switchgear needs to be evaluated.  10.2.7 Inscriptions  Meets the product standard's requirements.  10.2.8 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 Incorporation of switching devices and components  Does not apply, since the entire switchgear needs to be evaluated.  10.8 Incorporation of switching devices and components  Does not apply, since the entire switchgear needs to be evaluated.  10.8 Incorporation of switching devices and components  Does not apply, since the entire switchgear needs to be evaluated.  10.8 Incorporation of switching devices and components  Soes not apply, since the entire switchgear needs to be evaluated.  10.8 Incorporation of switching devices and components  Soes not apply, since the entire switchgear needs to be evaluated.  1	Actuator color	White
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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.  10.3 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.  10.9.2 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 to 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  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.  10.10 Temperature rise  Not applicable.  10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear must to observed.  10.12 Electromagnetic compatibility  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.2.4 Resistance to ultra-violet (UV) radiation	Please enquire
10.2.7 Inscriptions  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  10.13 Mechanical function  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.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  In th	10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
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 to observed.  10.12 Electromagnetic compatibility  The device meets the requirements, provided the information in the instruction	10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
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  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.  In the device meets the requirements, provided the information in the instruction.	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  10.14 Mechanical function  10.15 Protection against electric shock  Does not apply, since the entire switchgear needs to be evaluated.  10.16 Dees not apply, since the entire switchgear needs to be evaluated.  10.18 the panel builder's responsibility.  10.19 Is the panel builder's responsibility.  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.14 Electrometric switchgear must be observed.  10.15 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.
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 to observed.  10.12 Electromagnetic compatibility  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  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  10.13 Mechanical function  10.14 Is the panel builder's responsibility. The specifications for the switchgear must to observed.  10.15 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  10.14 Short-circuit 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.
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  10.14 Is the panel builder's responsibility. The specifications for the switchgear must be observed.  10.15 the panel builder's responsibility. The specifications for the switchgear must be observed.  10.15 Mechanical function  10.16 Temperature rise  10.17 Is the panel builder's responsibility. The specifications for the switchgear must be observed.  10.19 The 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  10.9.4 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 Is the panel builder's responsibility. The specifications for the switchgear must be observed.  10.15 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  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  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  Not applicable.  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.  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 b observed.
	10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must b 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])

[AKI 020013])		
Colour button		White
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	High
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	Titanium
Degree of protection (IP), front side	IP67/IP69K
Degree of protection (NEMA), front side	4X