$Illuminated\ pushbutton\ actuator,\ RMQ-Titan,\ Flush,\ maintained,\ green,\ Blank,\ Bezel:\ titanium$ 



Part no. M22-DRL-G 216948 EL Number 4355349

EL Number (Norway)	4355349	
General specifications		
Product name		Eaton Moeller® series M22 Illuminated pushbutton actuator
Part no.		M22-DRL-G
EAN		4015082169480
Product Length/Depth		30 millimetre
Product height		30 millimetre
Product width		30 millimetre
Product weight		0.012 kilogram
Compliances		CE Marked
Certifications		IEC 60947-5 EN 60947-5 UL 508 CSA Std. C22.2 No. 14-05 CSA Std. C22.2 No. 94-91 VDE CSA UL UL File No.: E29184 VDE 0660 UL Category Control No.: NKCR CSA File No.: 012528 IEC/EN 60947-5 CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 IEC/EN 60947 CSA-C22.2 No. 94-91 CE LR DNV GL
Product Tradename		M22
Product Type		Illuminated pushbutton actuator
Product Sub Type		None
Features & Functions		
Bezel color		Titanium
Bezel material		Plastic
Design		Flush
		Classical
Fitted with:		Front ring
Functions		Stay-put/spring-return function can be changed on device
Inscription		Blank
General information		
Degree of protection		NEMA 3R NEMA 13 IP66 IP69K NEMA 4X NEMA 12 IP67
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

observed.	Ambient conditions, mechanical	
20 g. Mechanical, Accurring to IECPEN 00008 2-27, Smusoidal shock 11 ms of Climatic environmental conditions   2-35 °C	Mounting position	As required
Ambient operating temperature - min Ambient operating temperature - max 70 °C Communication Commention to SmartWire-OT Actuator Commention to SmartWire-OT Actuator Actuator Actuator Actuator color Actuator prosible operating - min ON  Design verification  Equipment best dissipation, current-dependent Pvid OW Heart dissipation per pule, current-dependent Pvid OW 102.2 Correction resistance OW 102.3 Verification of thermal stability of enclosures Meats the product standard's requirements. 102.3.3 Resistance to siture-discipation materials to normal heat 102.3 Resistance to siture-discipation designation 102.5 Unification of thermal stability of enclosures Meats the product standard's requirements. 102.3 Resistance to siture-discipation production of insulating materials to normal heat 102.5 Edition 102.6 Recorptions of standard in situation 103.6 Recorptions of insulating materials to normal heat 103.7 Resistance to siture-discipation designation 104.8 Resistance to siture-discipation designation 105.7 Resistance on siture-discipation designation 106.8 Recorption of operation of assembles  108.8 Resistance to siture-discipation designation 109.8 Recorption of operation of assembles  109.8 Recorption of operation of assembles  109.8 Recorption of operation of assembles  109.8 Recorption of operation of operation of assembles  109.9 Recorption of operation of assembles  109.1 Recorption of operation of operation of assembles  109.1 Recorption of operation of operation of assembles  109.2 Rec	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 - max  Climatic prooling  Communication  Commercion to Smart/Wire-DT  Connection to Smart/Wire-DT  Actuation  Control of Smart/Wire-DT  Actuation Truce  Actuation function  Actuation Smart/Wire-DT  Actuation Smart/Wire-DT  Actuation Smart/Wire-DT  Actuation Smart/Wire-DT  Actuation Smart/Wire-DT  Actuation Smart/Wire-DT  Connection Smart/Wire-DT  Actuation Smart/Wire-DT  Actuation Smart/Wire-DT  Actuation Smart/Wire-DT  Actuation Smart/Wire-DT  Actuation Smart/Wire-DT  Actuation Income Smart/Wire-DT  Actuation Income Smart/Wire-DT  Actuation Smart/Wire-DT  Actuation Income Smart/Wire-DT  Actuation In	Climatic environmental conditions	
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Damp heat, constant, to IEC 00069-2-79  Communication  Connection to SmartWire-DT  Actuating force  Actuating force  Actuating force  Actuating force  Actuating force  Switching function latching Mentalined  Force for peoplety opening - min  Design verification  Equipment heat dissipation, current dependent Pvid  OW  Read dissipation papells, current-dependent Pvid  Plead dissipation papells, current-dependent Pvid  OW  Read dissipation papells, current-dependent Pvid  Plead dissipation papells, current-dependent Pvid  OW  Read operational current for specified heat dissipation (in)  Ox Da  Static heat dissipation, current dependent Pvid  DV  Read operational current for specified heat dissipation (in)  Dx Static heat dissipation, current dependent Pvis  Dx Meets the product standard's requirements.  Dx Meets the product standard's requirements.  Dx All verification of thermal stability of enclosures  Meets the product standard's requirements.  Dx All verification of resistance of insulation materials to normal heat  Dx All verification of resistance of insulation materials to normal heat  Dx All verification of thermal stability of enclosures  Meets the product standard's requirements.  Dx All verification of resistance of insulation materials to normal heat  Dx All verification of resistance of insulation materials to normal heat  Dx All verification of resistance of insulation materials to normal heat  Dx All verification of resistance of insulation materials to normal heat  Dx All verification of resistance of insulation materials to normal heat  Dx All verification of resistance of insulation materials to normal heat  Dx All verification of resistance of insulation materials to normal heat  Dx All verification of resistance of insulation materials to normal heat  Dx All verification of resistance of insulation materials to normal heat  Dx All verification of switching devices and compensents  Dx All very product standard's requirements.  Dx All very product standard's requirements  Dx All very product stan	Ambient operating temperature - max	70 °C
Connection to SmartWire-DT  Actuator  Actuator  Actuator of Contacts  Fereir for positive opening - min  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation oppositive, current-dependent Pvid  Heat dissipation oppositive, provided the information of the substitution of substi	Climatic proofing	
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Actuator function  Contacts  Force for positive opening - min  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Based operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  OW  Static heat dissipation, non-current-dependent Pvis  OV  10.2.2 Corrosion resistance  Meets the product standard's requirements.  10.2.3.1 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  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.  10.2.7 Inscriptions  Meets the product standard's requirements.  10.2.8 Mechanical impact  Does not apply, since the entire switchgear needs to be evaluated.  10.2.1 Degree of protection of assemblies  Does not apply, since the entire switchgear needs to be evaluated.  10.4 Clearances and cropage 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  10.7 Internal electrical circuits and connections  In the panel builder's responsibility.  10.8 Connections for external conductors  10.8 Connections for external conductors  10.9 Time parallel circuits and connections for the switchgear needs to be evaluated.  10.1 Time panel builder's responsibility.  10.2 Time panel builder's responsibility.  10.3 Time panel builder's responsibility.  10.4 Testing of enclosures made of insulating material  10.5 Time panel builder's responsibility.  10.6 Time panel builder's responsibility.  10.7 Time device meets the requirements, provided the information in the instruction of the switchgear must to obse	Actuating force	5 N
Contacts Force for positive opening - min  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation, current-dependent Pvid  Heat dissipation, current-dependent Pvid  Heat dissipation, carrent-dependent Pvid  Heat dissipation, carrent-dependent Pvid  Heat dissipation, per pole, current-dependent Pvid  Heat dissipation, per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  10.22 Corrosion resistance  Meets the product standard's requirements.  10.23.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.23.2 Nerification of insul. mart to anomal heat fire by internal elect. effects  10.24.2 Verification of insul. mart to anomal heat fire by internal elect. effects  10.25.2 Flitting  Does not apply, since the entire switchgear needs to be evaluated.  10.25.6 Mechanical impact  10.26 Mechanical impact  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.  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.  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  Is the panel builder's responsibility.  10.9.4 Testing of enclosures mede of insulating material  10.9.4 Testing of enclosures mede of insulating material  10.10 Temperature rise  Not applicable.  10.11 Short-circuit rating  Lectromagnetic compatibility  Let be panel builder's responsibility.  10.12 Electromagnetic compatibility  Let be panel builder's responsibility.  10.15 the panel builder's responsibility.  10.16 The male discription of enclosures mede of insulating material  10.16 The male discription of the switchgear must to observed.  10.17 the male discription	Actuator color	Green
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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.  10.8 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	10.2.3.3 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  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  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  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.  In the panel builder's responsibility.	10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
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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.  The specifications for the switchgear must be observed.  The device meets the requirements, provided the information in the instruction	10.2.7 Inscriptions	Meets the product standard's requirements.
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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 Sthe 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 the panel builder's responsibility. The specifications for the switchgear must be observed.	10.8 Connections for external conductors	Is the panel builder's responsibility.
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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.
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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	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])

E ====	
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			Flat
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