## DATASHEET - M22-DDL-S-X7/X7

Double actuator pushbutton, RMQ-Titan, Actuators and indicator lights non-flush, momentary, White lens, black, black, inscribed, Bezel: titanium, arrow up



Part no.	M22-DDL-S-X7/X7
	216710
EL Number	4355670
(Norway)	

## **General specifications**

Protoce     Extent Mealler's area     Extent Mealler's area       Parton     Ac2 200, S X0/7       RAC     AC2200, S X0/7       Product length Ogen     Somilineare       Product length Ogen     Somilineare       Product wealth     Somilineare       Somilineare	General specifications	
EAA 0419012107103   Poduct lengthOgeph 30 milimers   Poduct lengthOgeph 30 milimers   Poduct veright 30 milimers   Sector color 30 milimers   Poduct Veright 30 milimers   Poduct Science 42	Product name	Eaton Moeller® series M22 Double actuator pushbutton
Product Length Opeph 30 millimetra   Product Walth 50 millimetra   Product Walth 0.315 Milgrum   Product Kaseline 0.315 Milgrum   Product Tendersom 0.315 Milgrum   Product Tendersom 0.315 Milgrum   Product Tendersom 0.315 Milgrum   Product Tendersom 0.325 Millimetra   Product Tendersom 1	Part no.	M22-DDL-S-X7/X7
Product height So illimetri   Product weight So illimetri   Product weight So illimetri   Product weight So illimetri   Product weight So illimetri   Eveloption So illimetri   Product weight So illimetri   Eveloption So illimetri   Eveloption So illimetri   Eveloption So illimetri   Eveloption So illimetri   So illimetri So illimetri   Eveloption So illimetri   So illimetri So illimetri   Product Norther So illimetri   P	EAN	4015082167103
Product weight 031 millimeter   Product weight 031 kilogram   Certifications 031 kilogram   Certifications 031 kilogram   Certifications 031 kilogram   Schules Nass 237-140 Schules Nass 237-140   Schules Nass 237-140 Schules 237-140	Product Length/Depth	30 millimetre
Product weight   DIS klogram     Curficiations   UIL No. No. 23194     Curficiations   UIL No. No. 23298     Conflications   Conflications     Scheduler According to the product Trademame   Scheduler According to the product Trademame     Product Trademame   Mode     Barl color   MonFlacit     Design   Itamain     Features   Front fing	Product height	55 millimetre
Cartifications   II. Find ta: E21140     CSA File No: 221 4.00   CSA File No: 221 4.00     CSA File No: 20238   CSA File No: 20238     CSA File No: 20238   CSA File No: 20238     CSA File No: 20238   CSA File No: 20238     Product Trademame   M22     Product Trademame   M24     Product Trademame   More Trademame     Product Trademame   More Trademame     Basic color   Trademame     Basic color   Trademame     Basic color   Labeled	Product width	30 millimetre
SA Cise No. 2011/30     C E   C E     C E   C E     C E CON 000-7   C E CON 000-7     C C E CON 000-7   C E CON 000-7     C C E CON 000-7   C E CON 000-7     Product Trademame   MZ     Product Trademame   MI     Product Trademame   Product Trademame     Product Trademame   MO     Product Trademame   Product Trademame     Product Trademame   More Trademame     Product Trademame   More Trademame     Product Trademame<	Product weight	0.015 kilogram
Product Type Duble actuator pushbutton   Product Sub Type None   Features & Functions Titanium   Bezel naterial Titanium   Design Consect   Peatures Non-Flush   Features Labelled   Fitted with: Easterial   Inscription Labelled   Reser of protection White   Obgree of protection (front side) NEMA 3R NEMA AX   Urspan, mechanical Operations   Operating fraquency Soute actuator   Product category Soute actuator   Site for Soute actuator   Type Information   Operating fraquency Soute actuator   Product category Soute actuator   Site for Iumination   Type Ambient conditions, mechanical   Mounting position Soute actuator   Mounting position Soute actuator	Certifications	CSA Class No.: 3211-03 CE UL CSA File No.: 012528 CSA-C22.2 No. 14-05 IEC/EN 60947 UL Category Control No.: NKCR VDE 0660 IEC/EN 60947-5 UL 508 CSA-C22.2 No. 94-91 CSA DNV LR
Product Sub Type   None     Features & Functions   Intentium     Bezel color   Titanium     Bezel material   Plastic     Design   Cassical     Features   Labelled     Fitted with:   Font ring     Inscription   Labelled     Inscription   Inscribed     General information   Mone     Degree of protection (front side)   NEMA 3R NEMA 12 NEMA 13 NEMA 12 NEMA 13 NEMA 13 NEMA 14 NEMA 14 NEMA 15 NEMA 15 NEMA 15 NEMA 16 NEMA 17 NEMA 18 NEMA 18 	Product Tradename	M22
Features & Functions     Italium       Bezel color     Titanium       Bezel material     Plastic       Design     Nor-Flush       Features     Nor-Flush       Fitted with:     Labeled       Inscription     Labeled       Inscription     Inscribed       Lens color     White       General information     NeMA AX       Degree of protection (front side)     NeMA AX       Lens nechanical     20000 Operations/       Operating frequency     Stock resistance       Product category     Stock resistance       Size for     Illumination       Size for     Illumination       Size for     Stock resistance	Product Type	Double actuator pushbutton
Bazel color   Tinnium     Bazel material   Plastic     Design   Non-Flush Classical     Features   Non-Flush Classical     Fitted with:   Labeled     Inscription   Font ring     Inscription   White     Degree of protection   Mont-Flush Alt     Pegree of protection (front side)   Mont-Flush Alt     Degree of protection (front side)   Mont-Flush Alt     Opening diameter   20000 Operations/     Opening diameter   20000 Operations/     Opening frequency   Mont-Titan     Size   Ford dimensions: 29.7 x 54.7 mm     Size for   Ford dimensions: 29.7 x 54.7 mm     Munting position   Monting contacture     Monting position   Montination     Size for   Ford dimensions: 29.7 x 54.7 mm     Munting position   Asrequired	Product Sub Type	None
Bezel material   Plastic     Design   Non-Flush Classical     Features   Non-Flush Classical     Features   Labeled     Fitted with:   Tom ring     Inscription   Font ring     Inscription   Monifead     Lens color   White     General information   Monifead     Degree of protection (front side)   NEMA 38 NEMA 12 NEMA 13 NEMA 13     Degree of protection (front side)   P66 NEMA 4X     Operating frequency   225 mm     Operating frequency   800 Operations/h     Stuck taegory   800 Operations/h     Suitable for   Iumination     Type   Iumination     Munting position   Stock seistance     Mounting position   Stock seistance	Features & Functions	
Design   Non-Flush     Features   Labelled     Features   Labelled     Inscription   Front ring     Inscription   Mone-Flush     Lens color   White     General information   White     Degree of protection   NEMA 3R NEMA X2 NEMA X	Bezel color	Titanium
Features   Labelled     Fitted with:   Labelled     Inscription   Front ring     Inscription   Inscribed     Lens color   White     General information   White     Degree of protection   White     Degree of protection   NEMA 3K NEMA 3K NEMA 12 NEMA 4X NEMA 12 NEMA 4X NEMA 12 NEMA 4X     Degree of protection (front side)   P66 NEMA 4X     Operating frequency   P66 NEMA 4X     Operating frequency   225 mm     Size   Front dimensions: 29,7 x 54,7 mm     Size   Front dimensions: 29,7 x 54,7 mm     Size   Front dimensions: 29,7 x 54,7 mm     Aubient conditions, mechanical   Duole actuator     Aubient conditions, mechanical   Mounting position     Shock resistance   Mechanical, According to IEU/EN 80068-2-27	Bezel material	Plastic
Fitted with:   Find ring     Inscription   Inscription     Lens color   White     General information   NEMA 3R     Degree of protection   NEMA 3R     Degree of protection   NEMA 3R     Lefspan, mechanical   P66     Operating frequency   25 mm     Product category   Stabel for     Size   Fond dimensions: 29,7 \$4,7 mm     Size   Fond dimensions: 29,7 \$5,7 5,7 mm     Subble for   Iumination     Type   Double actuator     Mounting position   Karewired     Shock resistance   Karewired	Design	
Inscription   Inscription     Lens color   White     General information   MAM 3     Degree of protection   MAM 3     Degree of protection   MAM 3     Degree of protection (front side)   FP66     Degree of protection (front side)   MOU Operations     Degree of protection (front side)   MOU Operations     Opening diameter   20,000 Operations/h     Operating frequency   MOU Titan     Product category   MOU Titan     Size   Front dimensions: 29,7 x 54,7 mm     Size   Ilumination     Type   Jouble actuator     Ambient conditions, mechanical   Mouting position     Mounting position   Mouting Leg/File     Shock resistance   Mechanical (According to EE/EN RE0088-2-27)	Features	Labelled
Lens color Multice   General information Multice   Degree of protection Multice   Degree of protection Multice   Degree of protection (front side) Max Support (Samparan	Fitted with:	Front ring
General information   Image: Section     Degree of protection   NEMA 38 NEMA 13 NEMA 13 NEMA 13 NEMA 13 NEMA 13     Degree of protection (front side)   Image: Section (front side)     Degree of protection (front side)   Image: Section (front side)     Degree of protection (front side)   Image: Section (front side)     Degree of protection (front side)   Image: Section (front side)     Opening diameter   200,000 Operations     Operating frequency   Section (front side)     Product category   Section (front side)     Size   Front dimensions: 29,7 x 54,7 mm     Suitable for   Image: Section (front side)     Type   Double actuator     Ambient conditions, mechanical   Section (front side)     Mounting position   Section (front side)     Shock resistance   Mechanical, According to IEC/EN 60088-2-27	Inscription	Inscribed
Pegree of protection   NEMA 3R     Pegree of protection (front side)   NEMA 4X     Degree of protection (front side)   P66     Lifespan, mechanical   200,000 Operations     Opening diameter   200,000 Operations/h     Operating frequency   22.5 mm     Product category   3000 Operations/h     Size   RMQ-Titan     Suitable for   Numination     Type   Duble actuator     Ambient conditions, mechanical   Mounting position     Mounting position   As required     Shock resistance   Mechanical, According to IEC/EN 60068-2-27	Lens color	White
Perce of protection (front side)   Pees of protection (front side)     Lifespan, mechanical   Pees of protection (front side)     Opening diameter   20,000 Operations     Operating frequency   22.5 mm     Product category   800 Operations/h     Size   Front dimensions: 29,7 x 54,7 mm     Suitable for   Illumination     Type   Duble actuator     Ambient conditions, mechanical   Mounting position     Mounting position   Mounting position     Shock resistance   Mechanical, According to EIC/EN 60068-2-27	General information	
Lifespan, mechanical   MEMA 4X     Opening diameter   20,000 Operations     Operating frequency   22.5 mm     Product category   3600 Operations/h     Size   Front dimensions: 29,7 x 54,7 mm     Suitable for   Illumination     Type   Double actuator     Ambient conditions, mechanical   As required     Mounting position   As required	Degree of protection	NEMA 4X NEMA 12 NEMA 13
Opening diameter   22.5 mm     Operating frequency   3600 Operations/h     Product category   RMQ-Titan     Size   Front dimensions: 29,7 x 54,7 mm     Suitable for   Illumination     Type   Duble actuator     Ambient conditions, mechanical   Image: Size     Shock resistance   Mounting position	Degree of protection (front side)	
Operating frequency   S600 Operations/h     Product category   RMQ-Titan     Size   Font dimensions: 29,7 x 54,7 mm     Suitable for   Illumination     Type   Double actuator     Ambient conditions, mechanical   Mounting position     Shock resistance   Mechanical, According to IEC/EN 60068-2-27	Lifespan, mechanical	200,000 Operations
Product category RMQ-Titan   Size Front dimensions: 29,7 x 54,7 mm   Suitable for Illumination   Type Double actuator   Ambient conditions, mechanical Image: Stock resistance   Shock resistance Image: Stock resistance	Opening diameter	22.5 mm
Size Font dimensions: 29,7 x 54,7 mm   Suitable for Illumination   Type Double actuator   Ambient conditions, mechanical Mounting position   Shock resistance Mechanical, According to IEC/EN 60068-2-27	Operating frequency	3600 Operations/h
Suitable for Illumination   Type Double actuator   Ambient conditions, mechanical Image: Condition state sta	Product category	RMQ-Titan
Type Double actuator   Ambient conditions, mechanical Mounting position As required   Mounting position Mounting position As required	Size	Front dimensions: 29,7 x 54,7 mm
Ambient conditions, mechanical Ambient conditions, mechanical   Mounting position As required   Shock resistance Mechanical, According to IEC/EN 60068-2-27	Suitable for	Illumination
Mounting position As required   Shock resistance Mechanical, According to IEC/EN 60068-2-27		Double actuator
Shock resistance Mechanical, According to IEC/EN 60068-2-27	Ambient conditions, mechanical	
	Mounting position	As required
	Shock resistance	

Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	70 °C
Ambient storage temperature - min	40 °C
Ambient storage temperature - max	80 °C
Climatic proofing	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Communication	
Connection to SmartWire-DT	Yes With SWD-RMQ connections
Actuator	
Actuating force	5 N
Actuator color	Black
Actuator function	Momentary Spring-return
Contacts	
Force for positive opening - min	0 N
Design verification	
Equipment heat dissipation, current-dependent Pvid	0 W
Heat dissipation capacity Pdiss	0 W
Heat dissipation per pole, current-dependent Pvid	0 W
Rated operational current for specified heat dissipation (In)	0 A
Static heat dissipation, non-current-dependent Pvs	0 W
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.
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
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.
10.8 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 leaflet (IL) is observed.

## **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			Black	
Number of command positions			2	
Construction type lens			Oval	
Hole diameter	mn	m	22.5	
Width opening	mn	m	0	

Height opening	mm	0
Type of button		Flat
Suitable for illumination		Yes
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		IP66
Degree of protection (NEMA), front side		4X