DATASHEET - M22-PVT



Emergency stop/emergency switching off pushbutton, RMQ-Titan, Mushroom-shaped, 38 mm, Non-illuminated, Turn-to-release function, Red, yellow, RAL 3000



Part no.	M22-PVT
	263467
EL Number	4355405
(Norway)	

General specifications

General specifications	
Product name	Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton
Part no.	M22-PVT
EAN	4015082634674
Product Length/Depth	38 millimetre
Product height	70 millimetre
Product width	38 millimetre
Product weight	0.045 kilogram
Compliances	CE Marked
Certifications	UL 508 CSA Std. C22.2 No. 94-91 EN 60947-5 CSA Std. C22.2 No. 14-05 IEC 60947-5 VDE CSA Class No.: 3211-03 CSA-C22.2 No. 94-91 CSA File No.: 012528 UL File No.: 012528 UL File No.: E29184 CSA CSA-C22.2 No. 14-05 CE UL VDE 0660 IEC/EN 60947 IEC/EN 6094
Product Tradename	M22
Product Type	Emergency stop/emergency switching off pushbutton
Product Sub Type	None
Catalog Notes	Max. number of contacts: four M22-(C)K01,10 or two M22-(C)K02,20,11
Features & Functions	
Bezel color	Other
Base color	Yellow
Bezel material	Other
Color	Red
Design	Mushroom-shaped Classical
Features	Tamper-proof (according to ISO 13850, EN 418)
Illumination	Non-illuminated
RAL-number	3000
Unlocking method	Turn-release
General information	
Degree of protection	IP67/IP69K NEMA 4X, 13
Lifespan, mechanical	100,000 Operations
Opening diameter	22.5 mm
Operating frequency	600 Operations/h
Product category	RMQ-Titan
Size	Front dimensions: 35 mm
Suitable for	Emergency stop
Туре	Controlled stop pushbutton/emergency-stop button

10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.10 Temperature rise	Not applicable.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.8 Connections for external conductors	Is the panel builder's responsibility.
10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.3 Degree of protection of assemblies	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions	Meets the product standard's requirements.
10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.2.4 Resistance to ultra-violet (UV) radiation	Please enquire
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	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.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.2 Corrosion resistance	Meets the product standard's requirements.
Static heat dissipation, non-current-dependent Pvs	0 W
Rated operational current for specified heat dissipation (In)	0 A
Heat dissipation per pole, current-dependent Pvid	0 W
Heat dissipation capacity Pdiss	0W
Equipment heat dissipation, current-dependent Pvid	0 W
Design verification	
Force for positive opening - min	0 N
Contacts	
Actuator function	Turn-to-release Switching function latching
Actuator diameter	38 mm
Actuator color	Red
Actuating force	50 N
Actuator	
Connection to SmartWire-DT	No
Communication	
	Damp heat, cyclic, to IEC 60068-2-30
Ambient operating temperature - max Climatic proofing	Damp heat, constant, to IEC 60068-2-78
Ambient operating temperature - min	-25 °C 70 °C
Climatic environmental conditions	
	50 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms
Shock resistance	Mechanical, According to IEC/EN 60068-2-27
Mounting position	As required

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Front element for mushroom push-button (EC001038)				
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for mushroom push-button actuators (ecl@ss13-27-37-12-12 [AKF030019])				
Colour button		Red		
Construction type lens		Round		
Diameter cap	mm	38		

Midh opening mm 0 Height opening mm 0 Degree of protection (IP) FP P67/IP68K Degree of protection (NEMA) FP K1 3 Style of button FP K1 Style of button FP K2 Style of button Style of button			
Height openingmm0Degree of protection (NEMA)FFF67/P69KDegree of protection (NEMA)FKKSupe of buttonFFHighSutable for illuminationFFNoNith lightingFFNoSutching function latchingFFNoSwitching function latchingFFNoNith front ringFFNoNaterial front ringFFNoSolutor for ringFFNoSutable for emergency stopFFNoSutable for emergency stopFFNo<	Hole diameter	mm	22.5
Degree of protection (IP)IPG//IPG9KDegree of protection (NEMA)IPG//IPG9KSupe of buttonIPG//IPG9KSubable for illuminationIPG//IPG9KWith lightingIPGSupply voltage lampIPGSwitching function latchingIPGSynter function latchingIPGSynter function latchingIPGWith front ringIPGVaterial front ringIPGSolute for emergency stopIPGStable for emergency stopIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPGIPG </td <td>Width opening</td> <td>mm</td> <td>0</td>	Width opening	mm	0
Degree of protection (NEMA) Image: Section (NEMA) Image: Section (NEMA) Systep of button Image: Section (NEMA) Image: Section (NEMA) Systep of button Image: Section (NEMA) Image: Section (NEMA) Systep of button Image: Section (NEMA) Image: Section (NEMA) Systep of button Image: Section (NEMA) Image: Section (NEMA) Systep of button Image: Section (NEMA) Image: Section (NEMA) Systep of button Image: Section (NEMA) Image: Section (NEMA) Systep of button Image: Section (NEMA) Image: Section (NEMA) Systep of button Image: Section (NEMA) Image: Section (NEMA) Systep of button Image: Section (NEMA) Image: Section (NEMA) Systep of button latching Image: Section (NEMA) Image: Section (NEMA) Systep of protection latching Image: Section (NEMA) Image: Section (NEMA) Systep of protection latching Image: Section (NEMA) Image: Section (NEMA) Systep of protection latching Image: Section (NEMA) Image: Section (NEMA) Systep of protection latching Image: Section (NEMA) Image: Section (NEMA) Material front ring Image: Section (NEMA)	Height opening	mm	0
Type of button Image: Specific status High Suitable for illumination Image: Specific status No Nith lighting Image: Specific status No Suitching function latching Image: Specific status No Switching function latching Image: Specific status No Spring-return Image: Specific status No Material front ring Image: Specific status No Colour front ring Image: Specific status Specific status Specific status Image: Specific status Specific status Specific status Image: Specific status No Specific status Image: Specif	Degree of protection (IP)		IP67/IP69K
Suitable for illumination Image: Book of the state of th	Degree of protection (NEMA)		4X, 13
With lightingImage: Base of the second s	Type of button		High
Supply voltage lamp V 0 Switching function latching FM V Ves Spring-return FM No Nith front ring FM No Querical front ring FM No Colour front ring FM Other Suitable for emergency stop FM Set	Suitable for illumination		No
Switching function latching Material front ring Shift front ring Material front ring Colour front ring Material front ring Suitable for emergency stop Material front ring	With lighting		No
Spring-return No Notif front ring No Material front ring Material front ring Colour front ring Material front ring Suitable for emergency stop Material front ring	Supply voltage lamp	V	0
Note Note Material front ring Material front ring Colour front ring Material front ring Suitable for emergency stop Material front ring	Switching function latching		Yes
Material front ring Material front ring Colour front ring Material Suitable for emergency stop Material	Spring-return		No
Colour front ring Colour front ring Suitable for emergency stop Colour front ring	With front ring		No
Suitable for emergency stop Yes	Material front ring		Other
	Colour front ring		Other
Jnlocking method Turn-release	Suitable for emergency stop		Yes
	Unlocking method		Turn-release