DATASHEET - M22-PV

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



Part no.	M22-PV
	216876
EL Number	4355321
(Norway)	

General specifications

General specifications	
Product name	Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton
Part no.	M22-PV
EAN	4015082168766
Product Length/Depth	38 millimetre
Product height	70 millimetre
Product width	38 millimetre
Product weight	0.039 kilogram
Compliances	CE Marked
Certifications	IEC 60947-5 CSA Std. C22.2 No. 14-05 CSA Std. C22.2 No. 94-91 UL 508 EN 60947-5 VDE CSA-C22.2 No. 14-05 CSA Class No.: 3211-03 UL UL Category Control No.: NKCR CE IEC/EN 60947 CSA File No.: 012528 VDE 0660 CSA CSA-C22.2 No. 94-91 IEC/EN 60947-5 UL File No.: E29184 DNV GL LR
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	Pull-release
General information	
Degree of protection	IP66 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

Ambient conditions, mechanical	
Mounting position	As required
Shock resistance	Mechanical, According to IEC/EN 60068-2-27 50 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	70 °C
Climatic proofing	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Communication	
Connection to SmartWire-DT	No
Actuator	
Actuating force	50 N
Actuator color	Red
Actuator diameter	38 mm
Actuator function	Pull-to-release
	Switching function latching
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 O
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 b observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must b observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 8.0

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@ss10.0.1-27-37-12-12 [AKF030014])			
Colour button		Red	
Construction type lens		Round	
Diameter cap	mm	38	

Width openingImmMailHeight openingImm0Degree of protection (IP)ImmIP66Degree of protection (NEMA)ImmX1 3Type of buttonImmImmSuitable for illuminationImmImmSuitable for infigImmImmSuitable for infigImmImmSuitable for emergency stopImmImmSuitable for emergency stopImm			
Height opening mm 0 Degree of protection (IP) FMB FMB FMB Degree of protection (NEMA) FMB FMB FMB Type of button FMB FMB FMB Suitable for illumination FMB FMB FMB Suitable for tring FMB FMB FMB Suitable for emergency stop FMB FMB FMB	Hole diameter	mm	22.5
Degree of protection (IP)IP66Degree of protection (NEMA)IP66Type of buttonIP6Sutable for illuminationIP6With lightingIP6Sutply voltage lampIP6Switching function latchingIP6Spring-returnIP6With front ringIP6Material front ringIP6Sutable for illuminationIP6Sutable for illuminationIP6Sutable for ingIP6Sutable for ringIP6Sutable for emergency stopIP6Sutable for emergency stopIP7Sutable for emergency stopIP7 </td <td>Width opening</td> <td>mm</td> <td>0</td>	Width opening	mm	0
Degree of protection (NEMA) K 4X, 13 Type of button K High Suitable for illumination K K With lighting No K Supply voltage lamp K No Switching function latching K Yes Syring-return K No With front ring K No Material front ring K K Colour front ring K K Suitable for emergency stop K Kes	Height opening	mm	0
Type of button Image: Constraint of the second	Degree of protection (IP)		IP66
Suitable for illuminationImage: Suitable for illuminationNoWith lightingNoNoSupply voltage lampVOSwitching function latchingImage: Suitable for informationVNoSpring-returnImage: Suitable for emergency stopNoNoMaterial front ringImage: Suitable for emergency stopMoNoSuitable for emergency stopImage: Suitable for emergency stopImage: Suitable for emergency stopNoSuitable for emergency stopImage: Suitable for emergency stopImage: Suitable for emergency stopNoSuitable for emergency stopImage: Suitable for emergency stopImage: Suitable for emergency stopNoSuitable for emergency stopImage: Suitable for emergency stopImage: Suitable for emergency stopNoSuitable for emergency stopImage: Suitable for emergency stopImage: Suitable for emergency stopNoSuitable for emergency stopImage: Suitable for emergency stopImage: Suitable for emergency stopNoSuitable for emergency stopImage: Suitable for emergency stopImage: Suitable for emergency stopNoSuitable for emergency stopImage: Suitable for emergency stopImage: Suitable for emergency stopNoSuitable for emergency stopImage: Suitable for	Degree of protection (NEMA)		4X, 13
With lightingImage: Second	Type of button		High
Supply voltage lamp V 0 Switching function latching Y Yes Spring-return No No With front ring No No Colour front ring Colour front ring Other Sutable for emergency stop Set Set	Suitable for illumination		No
Switching function latching Mes Spring-return No With front ring No Material front ring Other Colour front ring Other Suitable for emergency stop Solour for the stop of the stop o	With lighting		No
Spring-return No With front ring No Material front ring Other Colour front ring Other Suitable for emergency stop Set	Supply voltage lamp	V	0
With front ringNoMaterial front ringColour front ringColour front ringColour front ringSuitable for emergency stopColour for the remergency stop	Switching function latching		Yes
Material front ring Other Colour front ring Other Suitable for emergency stop State	Spring-return		No
Colour front ring Other Suitable for emergency stop Yes	With front ring		No
Suitable for emergency stop Yes	Material front ring		Other
	Colour front ring		Other
Unlocking method Pull-release	Suitable for emergency stop		Yes
	Unlocking method		Pull-release