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 (Norway)	**4355321**

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	LR GL DNV UL File No.: E29184 IEC/EN 60947-5 CSA-C22.2 No. 94-91 CSA VDE 0660 CSA File No.: 012528 IEC/EN 60947 CE UL Category Control No.: NKCR UL CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 VDE EN 60947-5 UL 508 CSA Std. C22.2 No. 94-91 CSA Std. C22.2 No. 14-05 IEC 60947-5
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	Classical Mushroom-shaped
Features	Tamper-proof (according to ISO 13850, EN 418)
Illumination	Non-illuminated
RAL-number	3000
Unlocking method	Pull-release

General information

Degree of protection	NEMA 4X, 13 IP66
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
Type	Controlled stop pushbutton/emergency-stop button

Ambient conditions, mechanical			
Mounting position			As required
Shock resistance			50 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27
Climatic environmental conditions			
Ambient operating temperature - min			-25 °C
Ambient operating temperature - max			70 °C
Climatic proofing			Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
Communication			
Connection to SmartWire-DT			No
Actuator			
Actuating force			50 N
Actuator color			Red
Actuator diameter			38 mm
Actuator function			Switching function latching Pull-to-release
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 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

Hole diameter		mm	22.5
Width opening		mm	0
Height opening		mm	0
Degree of protection (IP)			IP66
Degree of protection (NEMA)			4X, 13
Type of button			High
Suitable for illumination			No
With lighting			No
Supply voltage lamp		V	0
Switching function latching			Yes
Spring-return			No
With front ring			No
Material front ring			Other
Colour front ring			Other
Suitable for emergency stop			Yes
Unlocking method			Pull-release

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