

**Emergency stop/emergency switching off pushbutton, RMQ-Titan,  
Mushroom-shaped, 38 mm, Non-illuminated, Key-release, 1 NC, Red,  
yellow, RAL 3000, Not suitable for master key systems**

**Part no. M22-PVS/K01**  
**216514**  
**EL Number 4355287**  
**(Norway)**

<b>General specifications</b>		
Product name		Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton
Part no.		M22-PVS/K01
EAN		4015082165147
Product Length/Depth		115 millimetre
Product height		38 millimetre
Product width		38 millimetre
Product weight		0.073 kilogram
Certifications		CSA Class No.: 3211-03 VDE 0660 UL 508 UL Category Control No.: NKCR CSA-C22.2 No. 94-91 UL CE IEC/EN 60947 CSA CSA-C22.2 No. 14-05 IEC/EN 60947-5 CSA File No.: 012528 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
<b>Features &amp; Functions</b>		
Base color		Yellow
Color		Red
Design		Mushroom-shaped Classical
Features		Tamper-proof (according to ISO 13850, EN 418)
Illumination		Non-illuminated
Unlocking method		Key-release
<b>General information</b>		
Accessories		1 key included with supplied equipment.
Degree of protection		IP67/IP69K NEMA 4X, 13
Lifespan, mechanical		100,000 Operations
Mounting method		Built-in
Opening diameter		22.5 mm
Operating frequency		500 Operations/h
Overvoltage category		III
Pollution degree		3
Product category		RMQ-Titan
Size		Front dimensions: 35 mm
Type		Controlled stop pushbutton/emergency-stop button
<b>Ambient conditions, mechanical</b>		
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

<b>Climatic environmental conditions</b>		
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
<b>Short-circuit rating</b>		
Rated conditional short-circuit current (I <sub>q</sub> )		1 kA
<b>Communication</b>		
Connection to SmartWire-DT		No
Connection type		Screw connection
<b>Actuator</b>		
Actuating force		50 N
Actuator color		Red
Actuator diameter		38 mm
Actuator function		Key-release
Actuator travel and actuation force (DIN EN 60947-5-1)		4.8 mm
Knob travel		5.7 mm
<b>Contacts</b>		
Force for positive opening - min		15 N
Number of contacts (normally closed contacts)		1
Number of contacts (normally open contacts)		0
<b>Design verification</b>		
Equipment heat dissipation, current-dependent P <sub>vid</sub>		0 W
Heat dissipation capacity P <sub>diss</sub>		0 W
Heat dissipation per pole, current-dependent P <sub>vid</sub>		0.11 W
Rated operational current for specified heat dissipation (I <sub>n</sub> )		6 A
Static heat dissipation, non-current-dependent P <sub>vs</sub>		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		The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
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) / Emergency stop complete (EC002034)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / EMERGENCY-STOP pushbutton, complete device (ec1@ss13-27-37-12-44 [ACN986016])

Unlocking method			Key-release
Number of contacts as normally closed contact			1
Number of contacts as normally open contact			0
Degree of protection (IP)			IP67/IP69K
Degree of protection (NEMA)			4X, 13
Mounting method			Built-in
With lighting			No
Supply voltage lamp		V	0
Hole diameter		mm	22.5
Connection type auxiliary circuit			Screw connection
Diameter cap		mm	38