



Emergency stop/emergency switching off pushbutton, RMQ-Titan, Mushroom-shaped, 38 mm, Non-illuminated, Pull-to-release function, 1 NC, 1 N/O, Red, yellow

Part no. M22-PV/K11
216516
EL Number 4355289
(Norway)

General specifications	
Product name	Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton
Part no.	M22-PV/K11
EAN	4015082165161
Product Length/Depth	90 millimetre
Product height	38 millimetre
Product width	38 millimetre
Product weight	0.062 kilogram
Certifications	UL Category Control No.: NKCR CSA File No.: 012528 DNV UL 508 CSA-C22.2 No. 94-91 IEC/EN 60947-5 VDE 0660 CSA-C22.2 No. 14-05 CSA Class No.: 3211-03 IEC/EN 60947 GL UL File No.: E29184 UL CSA LR CE
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	
Base color	Yellow
Design	Classical Mushroom-shaped
Features	Tamper-proof (according to ISO 13850, EN 418)
Illumination	Non-illuminated
Unlocking method	Pull-release
General information	
Degree of protection	NEMA 4X, 13 IP66
Lifespan, mechanical	100,000 Operations
Mounting method	Built-in
Opening diameter	22.5 mm
Operating frequency	600 Operations/h
Overvoltage category	III
Pollution degree	3
Product category	RMQ-Titan
Size	Front dimensions: 35 mm
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
Short-circuit rating		
Rated conditional short-circuit current (I _q)		1 kA
Communication		
Connection to SmartWire-DT		No
Connection type		Screw connection
Actuator		
Actuating force		50 N
Actuator color		Red
Actuator diameter		38 mm
Actuator function		Pull-to-release
Actuator travel and actuation force (DIN EN 60947-5-1)		4.8 mm
Knob travel		5.7 mm
Contacts		
Force for positive opening - min		20 N
Number of contacts (normally closed contacts)		1
Number of contacts (normally open contacts)		1
Design verification		
Equipment heat dissipation, current-dependent P _{vid}		0 W
Heat dissipation capacity P _{diss}		0 W
Heat dissipation per pole, current-dependent P _{vid}		0.11 W
Rated operational current for specified heat dissipation (I _n)		6 A
Static heat dissipation, non-current-dependent P _{vs}		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 (ecl@ss13-27-37-12-44 [ACN986016])		
Unlocking method		Pull-release
Number of contacts as normally closed contact		1

Number of contacts as normally open contact			1
Degree of protection (IP)			IP66
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