DATASHEET - M22-PV/K01

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

Powering Business Worldwide™

Part no.	**M22-PV/K01**
	216515
EL Number (Norway)	**4355288**

General specifications

Product name	Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton
Part no.	M22-PV/K01
EAN	4015082165154
Product Length/Depth	90 millimetre
Product height	38 millimetre
Product width	38 millimetre
Product weight	0.052 kilogram
Certifications	CSA-C22.2 No. 94-91 IEC/EN 60947 IEC/EN 60947-5 VDE 0660 UL UL 508 CSA File No.: 012528 CSA-C22.2 No. 14-05 CE UL Category Control No.: NKCR UL File No.: E29184 CSA Class No.: 3211-03 CSA LR DNV GL
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	Mushroom-shaped Classical
Features	Tamper-proof (according to ISO 13850, EN 418)
Illumination	Non-illuminated
Unlocking method	Pull-release

General information

Degree of protection	IP66 NEMA 4X, 13
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
Electrical rating	
Rated operational voltage	24 V AC/DC (LED)
Short-circuit rating	
Rated conditional short-circuit current (Iq)	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	15 N
Number of contacts (normally closed contacts)	1
Number of contacts (normally open contacts)	0
Design verification	
Equipment heat dissipation, current-dependent Pvid	0 W
Heat dissipation capacity Pdiss	0 W
Heat dissipation per pole, current-dependent Pvid	0.11 W
Rated operational current for specified heat dissipation (In)	6 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	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			0
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