DATASHEET - M22-PVS/KC11/IY

Housing, Controlled stop pushbuttons/emergency-stop buttons, Mushroom-shaped, 38 mm, Non-illuminated, Key-release, 1 NC, 1 N/O, Screw connection, Number of locations 1, Red, Yellow

Powering Business Worldwide

Part no.	**M22-PVS/KC11/IY**
	216523
EL Number (Norway)	**4355296**

General specifications

Product name	Eaton Moeller® series M22 Housing
Part no.	M22-PVS/KC11/IY
EAN	4015082165239
Product Length/Depth	115 millimetre
Product height	80 millimetre
Product width	72 millimetre
Product weight	0.214 kilogram
Certifications	UL Category Control No.: NKCR CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 IEC/EN 60947-5 CE CSA CSA-C22.2 No. 94-91 VDE 0660 UL CSA File No.: 012528 IEC/EN 60947 UL 508 UL File No.: E29184
Product Tradename	M22
Product Type	Housing
Product Sub Type	None
Catalog Notes	Contacts with safety function, by positive opening to IEC/EN 60947-5-1 Not suitable for master key systems Tamper-proof according to ISO 13850/EN 418

Features & Functions

Design	Mushroom-shaped
Enclosure color	Yellow
Enclosure material	Plastic
Features	Positive opening
Illumination	Non-illuminated
Number of locations	1

General information

Accessories	1 key included with supplied equipment.
Degree of protection	IP67/IP69K NEMA 4X, 13
Lifespan	100,000 mechanical Operations
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 Housing

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 control supply voltage (Us) at AC, 50 Hz - min	115 V
Rated control supply voltage (Us) at AC, 50 Hz - max	500 V
Rated control supply voltage (Us) at AC, 60 Hz - min	115 V
Rated control supply voltage (Us) at AC, 60 Hz - max	500 V
Rated control supply voltage (Us) at DC - min	24 V
Rated control supply voltage (Us) at DC - max	220 V
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	Key-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 (change-over contacts)	0
Number of contacts (normally closed contacts)	1
Number of contacts (normally open contacts)	1
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) / Control circuit devices combination in enclosure (EC000225)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Command and alarm device combination in housing (ecl@ss13-27-37-12-16 [AKF034019])

Number of command positions		1
Number of push buttons		0
Number of indicator lights		0
Number of key switches		0
Number of selector switches		0
Number of mushroom-shaped push-buttons		1
Suitable for emergency stop		Yes
Rated control supply voltage AC 50 Hz	V	115 - 500
Rated control supply voltage AC 60 Hz	V	115 - 500
Rated control supply voltage DC	V	24 - 220
Power consumption	W	
Colour housing cover		Yellow
Housing colour		Yellow
Housing material		Plastic
Number of contacts as normally open contact		1
Number of contacts as normally closed contact		1
Number of contacts as change-over contact		0
Degree of protection (IP)		IP67/IP69K
Degree of protection (NEMA)		4X, 13