DATASHEET - M22-PV/KC02/IY

Housing, Controlled stop pushbuttons/emergency-stop buttons, Mushroom-shaped, 38 mm, Non-illuminated, Pull-to-release function, 2 NC, Screw connection, Red, Yellow

Part no. M22-PV/KC02/IY
216524

EL Number (Norway) 4355297

General specifications	
Product name	Eaton Moeller® series M22 Housing
Part no.	M22-PV/KC02/IY
EAN	4015082165246
Product Length/Depth	100 millimetre
Product height	80 millimetre
Product width	72 millimetre
Product weight	0.194 kilogram
Certifications	UL File No.: E29184 IEC/EN 60947-5 IEC/EN 60947 CE UL CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 CSA UL 508 UL Category Control No.: NKCR CSA File No.: 012528 VDE 0660 CSA-C22.2 No. 94-91
Product Tradename	M22
Product Type	Housing
Product Sub Type	None
Features & Functions	
Design	Mushroom-shaped
Enclosure color	Yellow
Enclosure material	Plastic
Illumination	Non-illuminated
General information	
Degree of protection	NEMA 4X, 13 IP Other
Lifespan	100,000 mechanical Operations
Operating frequency	600 Operations/h
Product category	RMQ-Titan
Size	Front dimensions: 35 mm
Suitable for	Emergency stop
Type	Housing Controlled stop pushbutton/emergency-stop button
Ambient conditions, mechanical	
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
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	70 °C
Climatic proofing	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
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	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	30 N
Number of contacts (change-over contacts)	0
Number of contacts (normally closed contacts)	2
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) / 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		0
Number of contacts as normally closed contact		2
Number of contacts as change-over contact		0
Degree of protection (IP)		Other
Degree of protection (NEMA)		4X, 13