## **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** 4355297

(Norway)

(Norway)	
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
Туре	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 DC - min Rated control supply voltage (Us) at DC - max  Short-circuit rating Rated conditional short-circuit current (Iq)  Communication  Connection to SmartWire-DT Connection type  Actuator  Actuator  Actuator  Actuator olor  Actuator color  Actuator diameter  Actuator function  Actuator function  Actuator function  Contection force (DIN EN 60947-5-1)  Knob travel  Contacts  Force for positive opening - min Number of contacts (change-over contacts) Number of contacts (normally closed contacts) Number of contacts (normally open contacts) Number of contacts (normally open contacts) Number of contacts (normally open contacts)
Short-circuit rating Rated conditional short-circuit current (Iq)  Communication  Connection to SmartWire-DT Connection type  Actuator  Actuator  Actuator  Actuator color Actuator diameter Actuator function Actuator function Actuator function Full-to-release Actuator travel and actuation force (DIN EN 60947-5-1) Knob travel  Contacts  Force for positive opening - min Number of contacts (change-over contacts) Number of contacts (normally closed contacts)
Rated conditional short-circuit current (Iq)  Communication  Connection to SmartWire-DT  Connection type  Actuator  Actuator  Actuator color  Actuator diameter  Actuator function  Actuator function  Actuator travel and actuation force (DIN EN 60947-5-1)  Knob travel  Contacts  Force for positive opening - min  Number of contacts (change-over contacts)  Number of contacts (normally closed contacts)
Communication  Connection to SmartWire-DT Connection type  Actuator  Actuator  Actuator of Indian Early Street (DIN EN 60947-5-1) Knob travel  Contacts  Force for positive opening - min Number of contacts (change-over contacts) No Screw connection No Red 38 mm Red 38 mm Pull-to-release 4.8 mm 5.7 mm  30 N 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Connection to SmartWire-DT Connection type  Actuator  Actuator So N Actuator color Actuator diameter Actuator function Actuator travel and actuation force (DIN EN 60947-5-1) Knob travel  Contacts Force for positive opening - min Number of contacts (change-over contacts) No Screw connection Serve connection Red Actuator Red Actuator diameter 38 mm Pull-to-release 4.8 mm 5.7 mm  Contacts Force for positive opening - min Number of contacts (change-over contacts) 0 Number of contacts (normally closed contacts)
Connection type  Actuator  Actuating force  Actuator color  Actuator diameter  Actuator function  Actuator travel and actuation force (DIN EN 60947-5-1)  Knob travel  Contacts  Force for positive opening - min  Number of contacts (change-over contacts)  Number of contacts (normally closed contacts)  So N  Screw connection  Red  Actuator  Red  4.8 mm  4.8 mm  5.7 mm  30 N  0  0  Number of contacts (change-over contacts)
Connection type  Actuator  Actuating force  Actuator color  Actuator diameter  Actuator function  Actuator travel and actuation force (DIN EN 60947-5-1)  Knob travel  Contacts  Force for positive opening - min  Number of contacts (change-over contacts)  Number of contacts (normally closed contacts)  Screw connection  Red  ARM  Red  4.8 mm  4.8 mm  5.7 mm  30 N  0  0  0  0  0  0  0  0  0  0  0  0  0
Actuator  Actuating force  Actuator color  Actuator diameter  Actuator function  Actuator travel and actuation force (DIN EN 60947-5-1)  Knob travel  Contacts  Force for positive opening - min  Number of contacts (change-over contacts)  Number of contacts (normally closed contacts)  50 N  8ed  38 mm  Pull-to-release  4.8 mm  5.7 mm  30 N  0  Number of contacts (change-over contacts)  0  Number of contacts (normally closed contacts)
Actuator color  Actuator diameter  Actuator function  Actuator travel and actuation force (DIN EN 60947-5-1)  Knob travel  Contacts  Force for positive opening - min  Number of contacts (change-over contacts)  Number of contacts (normally closed contacts)  50 N  Red  38 mm  Pull-to-release  4.8 mm  5.7 mm  30 N  0  0  0  0  0  0  0  0  0  0  0  0  0
Actuator color  Actuator diameter  38 mm  Actuator function  Pull-to-release  Actuator travel and actuation force (DIN EN 60947-5-1)  Knob travel  Contacts  Force for positive opening - min  Number of contacts (change-over contacts)  Number of contacts (normally closed contacts)  Red  38 mm  Pull-to-release  5.7 mm  5.7 mm  0  Number of contacts (change-over contacts)  0
Actuator diameter  Actuator function  Actuator travel and actuation force (DIN EN 60947-5-1)  Knob travel  Contacts  Force for positive opening - min  Number of contacts (change-over contacts)  Number of contacts (normally closed contacts)  38 mm  Pull-to-release  4.8 mm  5.7 mm  30 N  0  10 0  11 0  12 0  13 0  14 0  15 0  16 0  17 0  18 0
Actuator function  Actuator travel and actuation force (DIN EN 60947-5-1)  Knob travel  Contacts  Force for positive opening - min  Number of contacts (change-over contacts)  Number of contacts (normally closed contacts)  Pull-to-release  4.8 mm  5.7 mm  30 N  0  10 0  11 0  12 0  12 0  13 0  14 0  15 0  16 0  17 0  18 0
Actuator travel and actuation force (DIN EN 60947-5-1)  Knob travel  Contacts  Force for positive opening - min  Number of contacts (change-over contacts)  Number of contacts (normally closed contacts)  2
Knob travel  Contacts  Force for positive opening - min  Number of contacts (change-over contacts)  Number of contacts (normally closed contacts)  2
Contacts  Force for positive opening - min  Number of contacts (change-over contacts)  Number of contacts (normally closed contacts)  2
Force for positive opening - min  Number of contacts (change-over contacts)  Number of contacts (normally closed contacts)  2
Number of contacts (change-over contacts)  Number of contacts (normally closed contacts)  2
Number of contacts (normally closed contacts)
Design verification
Equipment heat dissipation, current-dependent Pvid 0 W  Heat dissipation capacity Pdiss 0 W
Heat dissipation per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (In)  6 A
Rated operational current for specified heat dissipation (In)  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
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. Eato provide heat dissipation data for the devices.
10.11 Short-circuit rating  Is the panel builder's responsibility. The specifications for the switchgear observed.
10.12 Electromagnetic compatibility  Is the panel builder's responsibility. The specifications for the switchgear observed.
10.13 Mechanical function  The device meets the requirements, provided the information in the instru 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