

**Emergency stop/emergency switching off pushbutton, RMQ-Titan,  
Palm-tree shape, 45 mm, Illuminated with LED element, Turn-to-release  
function, Red, yellow, RAL 3000**

**Part no. M22-PVLT45P**  
**121460**  
**EL Number 4315241**  
**(Norway)**

<b>General specifications</b>		
Product name		Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton
Part no.		M22-PVLT45P
EAN		4015081192809
Product Length/Depth		67 millimetre
Product height		45 millimetre
Product width		45 millimetre
Product weight		0.043 kilogram
Compliances		Contact Manufacturer
Certifications		IEC/EN 60947 VDE 0660 LR GL DNV
Product Tradename		M22
Product Type		Emergency stop/emergency switching off pushbutton
Product Sub Type		None
Catalog Notes		Max. Configuration: 4 x M22-(C)K01, ...10 or 2 x M22-(C)K02, ...20, ...11 and 1 x M22-(F)LED... - When using M22-PVL... with 1 x M22-K01SMC10 (single channel), article M22-XSMC (order no.: 173030) is required. Order this item separately.
<b>Features &amp; Functions</b>		
Bezel color		Other
Base color		Yellow
Bezel material		Other
Color		Red
Design		Palm-tree shaped Classical
Features		Tamper-proof (according to ISO 13850, EN 418)
Illumination		Illuminated with LED element
RAL-number		3000
Unlocking method		Turn-release
<b>General information</b>		
Degree of protection		IP67/IP69K NEMA 4X
Lifespan, mechanical		100,000 Operations
Opening diameter		22.5 mm
Operating frequency		600 Operations/h
Product category		RMQ-Titan
Suitable for		Emergency stop Illumination
Type		Controlled stop pushbutton/emergency-stop button
<b>Ambient conditions, mechanical</b>		
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
<b>Climatic environmental conditions</b>		
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

<b>Communication</b>		
Connection to SmartWire-DT		No
<b>Actuator</b>		
Actuating force		50 N
Actuator color		Red
Actuator diameter		45 mm
Actuator function		Turn-to-release Switching function latching
<b>Contacts</b>		
Force for positive opening - min		0 N
<b>Design verification</b>		
Equipment heat dissipation, current-dependent Pvid		0 W
Heat dissipation capacity Pdis		0 W
Heat dissipation per pole, current-dependent Pvid		0 W
Rated operational current for specified heat dissipation (In)		0 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		Not applicable.
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) / Front element for mushroom push-button (EC001038)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for mushroom push-button actuators (ec1@ss13-27-37-12-12 [AKF030019])		
Colour button		Red
Construction type lens		Round
Diameter cap	mm	45
Hole diameter	mm	22.5
Width opening	mm	0
Height opening	mm	0
Degree of protection (IP)		IP67/IP69K
Degree of protection (NEMA)		4X
Type of button		High
Suitable for illumination		Yes
With lighting		No
Supply voltage lamp	V	0

Switching function latching			Yes
Spring-return			No
With front ring			No
Material front ring			Other
Colour front ring			Other
Suitable for emergency stop			Yes
Unlocking method			Turn-release