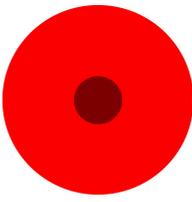




Emergency-stop pushbutton, illuminated

Part no. **M22-PVL**  
 Catalog No. **216878**  
 Eaton Catalog No. **M22-PVLQ**  
 EL-Nummer **0004355322**  
 (Norway)

**Delivery program**

Product range			RMQ-Titan
Basic function			Controlled stop pushbuttons/emergency-stop buttons
Single unit/Complete unit			Single unit
Design			Mushroom-shaped
Diameter	∅	mm	38
Illumination			Illuminated with LED element
Approval			
			Pull-to-release function
Description			Tamper-proof according to ISO 13850/EN 418
<b>Colour</b>			
Mushroom head			Red
			
Base			yellow
			RAL 3000
Degree of Protection			IP66, IP69K
Connection to SmartWire-DT			no
<b>Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1</b>			
Minimum force for positive opening	N		0
Front dimensions			35
<b>Instructions</b>			Max. number of contacts: four M22-(C)K01, ...10 or two M22-(C)K02, ...20, ...11

**Technical data**

<b>General</b>			
Standards			IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations	x 10 <sup>6</sup>	> 0.1
Operating frequency	Operations/h		≤ 600
Actuating force		n	≤ 50
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Degree of Protection			IP66, IP69K
Ambient temperature			
Open		°C	-25 - +70
Mounting position			As required
Mechanical shock resistance		g	50

## Design verification as per IEC/EN 61439

Technical data for design verification				
Rated operational current for specified heat dissipation	$I_n$	A		0
Heat dissipation per pole, current-dependent	$P_{vid}$	W		0
Equipment heat dissipation, current-dependent	$P_{vid}$	W		0
Static heat dissipation, non-current-dependent	$P_{vs}$	W		0
Heat dissipation capacity	$P_{diss}$	W		0
Operating ambient temperature min.		°C		-25
Operating ambient temperature max.		°C		70
IEC/EN 61439 design verification				
10.2 Strength of materials and parts				
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties				
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 7.0

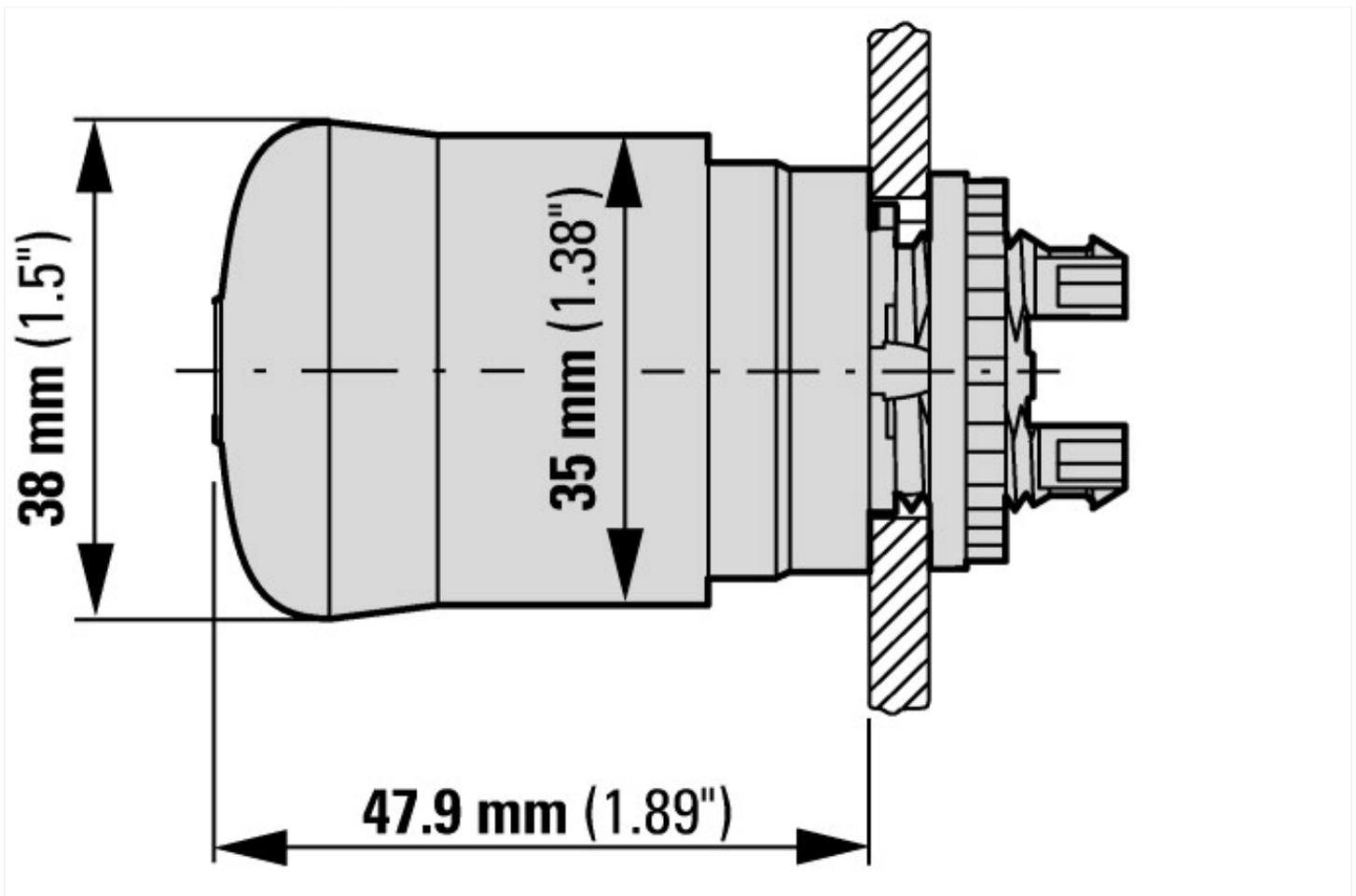
Low-voltage industrial components (EG000017) / Front element for mushroom push-button (EC001038)				
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for mushroom push-button actuators (ecl@ss10.0.1-27-37-12-12 [AKF030014])				
Colour button				Red
Construction type lens				Round
Diameter cap		mm		38
Hole diameter		mm		22
Width opening		mm		0
Height opening		mm		0
Degree of protection (IP)				IP66
Degree of protection (NEMA)				4X
Type of button				Flat
Suitable for illumination				Yes
Switching function latching				Yes
Spring-return				No

With front ring		No
Material front ring		Plastic
Colour front ring		Chrome
Suitable for emergency stop		Yes
Unlocking method		Pull-release

## Approvals

Product Standards		IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94-91; CE marking
UL File No.		E29184
UL Category Control No.		NKCR
CSA File No.		012528
CSA Class No.		3211-03
North America Certification		UL listed, CSA certified
Degree of Protection		UL/CSA Type 3R, 4X, 12, 13

## Dimensions



## Additional product information (links)

<b>IL04716005Z RMQ-Titan: Emergency stop buttons, Emergency stop buttons</b>	
IL04716005Z RMQ-Titan: Emergency stop buttons, Emergency stop buttons	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716005Z2018_07.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716005Z2018_07.pdf</a>
<b>IL04716002Z RMQ-Titan System</b>	
IL04716002Z RMQ-Titan System	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2018_10.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2018_10.pdf</a>
DGUV Test Mark Customer Information	<a href="http://www.dguv.de/medien/dguv-test-medien/_pdf_zip_doc_ppt/agn-und-pzo/dguv_test_zeichen_infoblatt_kunden.pdf">http://www.dguv.de/medien/dguv-test-medien/_pdf_zip_doc_ppt/agn-und-pzo/dguv_test_zeichen_infoblatt_kunden.pdf</a>