



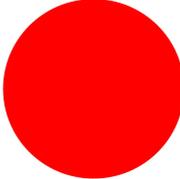
Emergency-stop pushbutton, red, maintained

Part no. **Q25PV**
 Article no. **072370**
 Catalog No. **Q25PV**



Powering Business Worldwide™

Delivery programme

Approval			 
Product range			RMQ16 (drilling dimensions 16 mm)
Basic function			Emergency stop buttons
Single unit/Complete unit			Single unit
Description			Overload-protected to ISO 13850, EN 418 Pushbutton remains in pushed position Pull to release can also be used as emergency switching off pushbuttons Non-illuminated
Colour			
			Red
			
Front dimensions			Front dimensions 25 x 25 mm
Connection to SmartWire-DT			no

Technical data

General			
Standards			IEC/EN 60947
Lifespan, mechanical	Operations	x 10 ⁶	> 0.1
Operating frequency	Operations/h		 600
Actuating force		n	 25
Degree of protection, IEC/EN 60529			IP65
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature		°C	
Open		°C	- 25 - + 60
Enclosed		°C	- 25 - 40
Mounting position			As required
Mechanical shock resistance		g	> 40 according to IEC 60068-2-27 Shock duration 11 ms Sinusoidal
Terminal capacities		mm ²	0.5 - 1.0
Blade terminal			2.8 x 0.8 mm to DIN 46244
Fast-on connectors			2.8 x 0.8 mm to DIN 46247 and IEC 60760

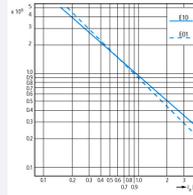
Contacts

Rated impulse withstand voltage	U _{imp}	V AC	800
Rated insulation voltage	U _i	V	250
Overvoltage category/pollution degree			III/3
Rated operational voltage	U _e	V AC	24
Control circuit reliability			

at 24 V DC/5 mA	H _F	Fault probability	< 10 ⁻⁷ (i.e. 1 failure to 10 ⁷ operations)
at 5 V DC/1 mA	H _F	Fault probability	< 5 x 10 ⁻⁶ (1 failure in 5 x 10 ⁶ operations)
Use of insulated ferrule ISH 2,8			On >24 V AC/DC recommended On >50 V AC or 120 V DC mandatory, also on unoccupied blade terminals

Switching capacity

Lifespan, electrical AC-15 to IEC/EN 60947-5-1 at 230 V; I₀ = rated operational current



Data for design verification according to 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
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 5.0

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@ss8-27-37-12-12 [AKF030010])

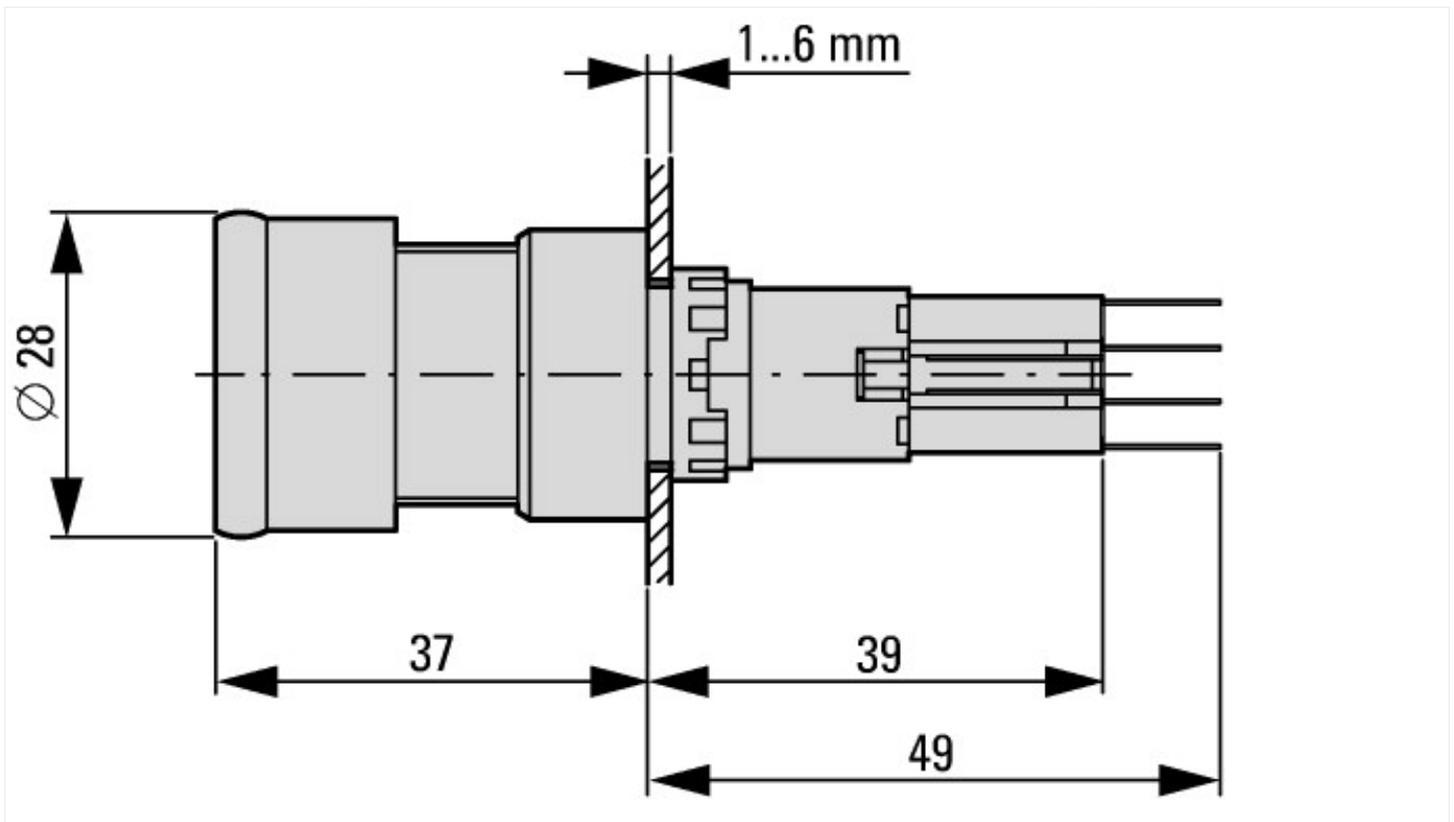
Colour button			Red
Construction type lens			Round
Diameter cap		mm	28
Hole diameter		mm	16
Width opening		mm	16

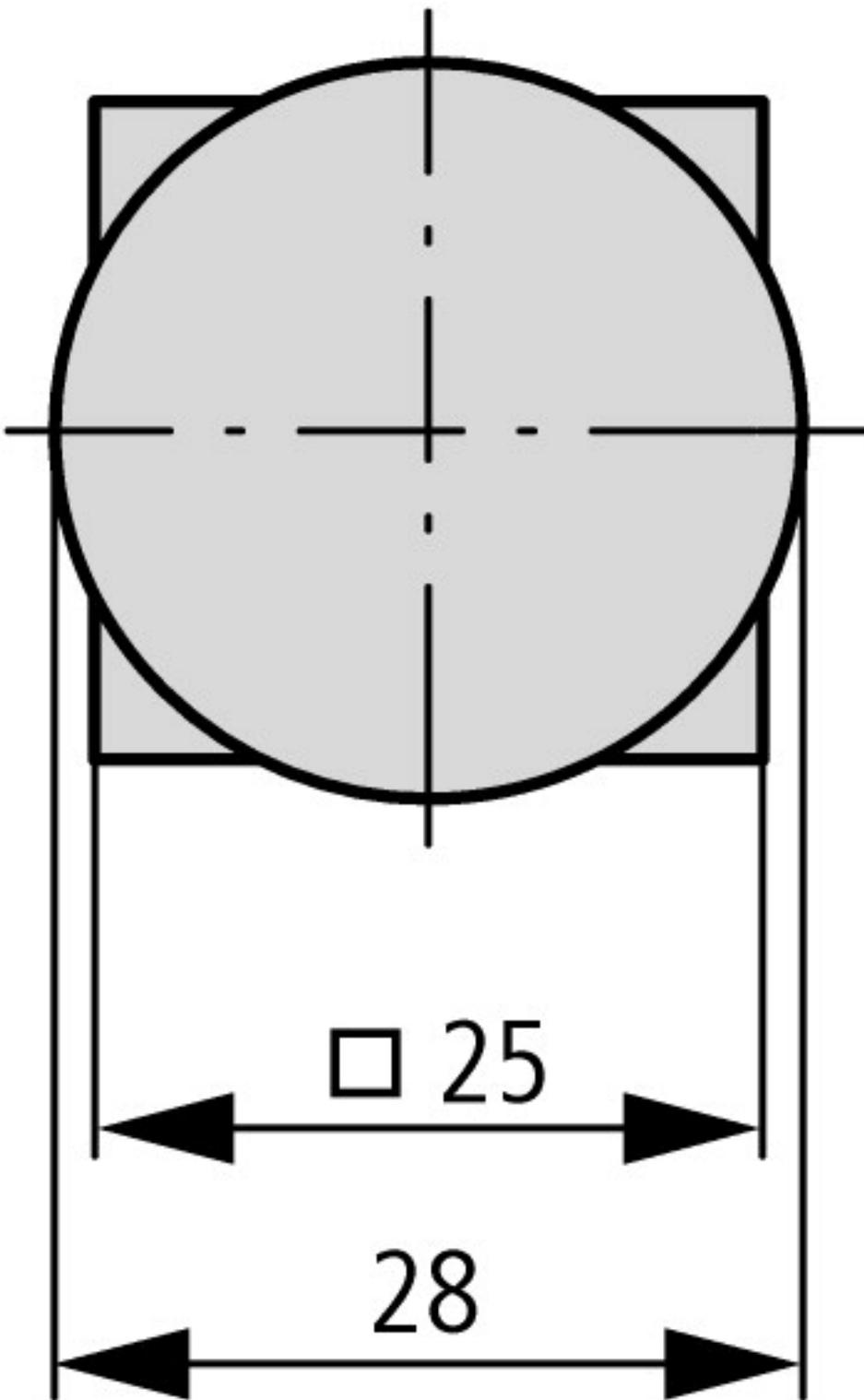
Height meter opening	mm	6
Degree of protection (IP)		IP65
Type of button		High
Suitable for illumination		No
Switching function latching		Yes
Spring-return		Yes
With front ring		No
Material front ring		Plastic
Colour front ring		Yellow
Suitable for emergency stop		Yes
Unlocking method		Pull release

Approvals

Product Standards		IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CE marking
UL File No.		E29184
UL Category Control No.		NKCR
CSA File No.		46552
CSA Class No.		3211-03
North America Certification		UL listed, CSA certified
Degree of Protection		UL/CSA Type 1

Dimensions





Actuating and indicator elements
Square style

Additional product information (links)

IL04716029Z Emergency stop buttons, Emergency stop buttons

IL04716029Z Emergency stop buttons,
Emergency stop buttons

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716029Z2011_12.pdf