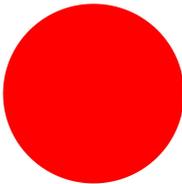




Emergency-stop pushbutton, illuminated

Part no. **Q25LPV**
 Article no. **072371**
 Catalog No. **Q25LPV**

Delivery programme

Product range			RMQ16 (drilling dimensions 16 mm)
Basic function			Controlled stop pushbuttons/emergency-stop buttons
Single unit/Complete unit			Single unit
Design			Mushroom-shaped
Diameter	∅	mm	28
Illumination			Illuminated
Approval			 
Description			Pull-to-release function Tamper-proof according to ISO 13850, EN 418 Pushbutton remains in pushed position $I_g = 15 \text{ mA}$ Positive pole at X1 No bulb replacement required.
Colour			
Mushroom head			Red
			
			Red
			
Degree of Protection			IP65
Connection to SmartWire-DT			no
Front dimensions			25 × 25 mm

Technical data

General			
Standards			IEC/EN 60947
Lifespan, mechanical	Operations	$\times 10^6$	> 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			
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
Fast-on connectors			2.8 x 0.8 mm

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 , < 1 fault in 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			>24 V AC/DC recommended >50 V AC or 120 V DC is mandatory, even on unused blade terminals

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	0.36
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	60
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			
10.2.2.1 Verification of thermal stability of enclosures			
10.2.2.2 Verification of resistance of insulating materials to normal heat			
10.2.2.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			
10.2.4 Resistance to ultra-violet (UV) radiation			
10.2.5 Lifting			
10.2.6 Mechanical impact			
10.2.7 Inscriptions			
10.3 Degree of protection of ASSEMBLIES			
10.4 Clearances and creepage distances			
10.5 Protection against electric shock			
10.6 Incorporation of switching devices and components			
10.7 Internal electrical circuits and connections			
10.8 Connections for external conductors			
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			
10.9.3 Impulse withstand voltage			
10.9.4 Testing of enclosures made of insulating material			
10.10 Temperature rise			
10.11 Short-circuit rating			
10.12 Electromagnetic compatibility			
10.13 Mechanical function			

Technical data ETIM 6.0

Low-voltage industrial components (EG000017) / Front element for mushroom push-button (EC001038)

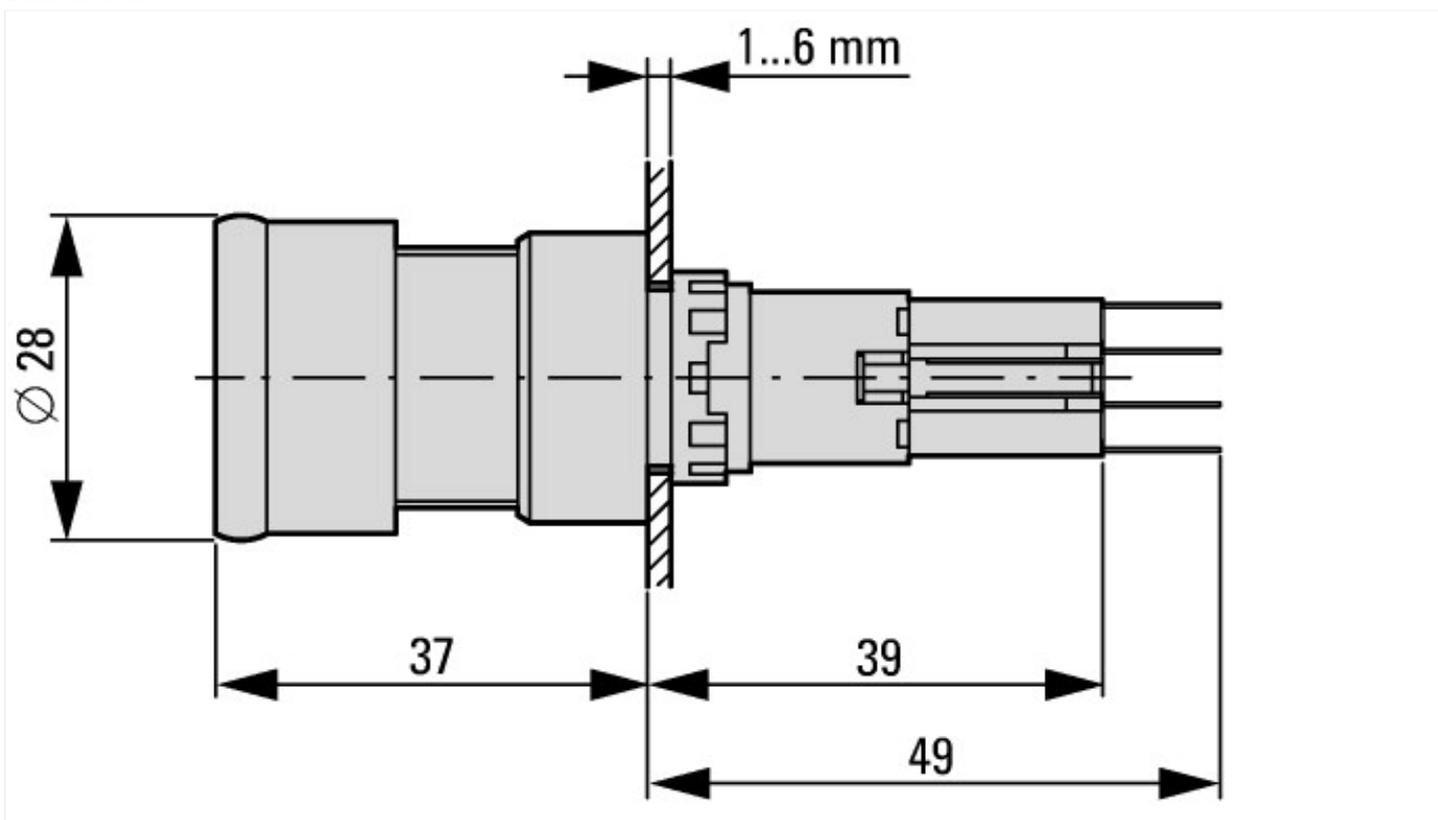
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for mushroom push-button actuators (ec@ss8.1-27-37-12-12 [AKF030011])

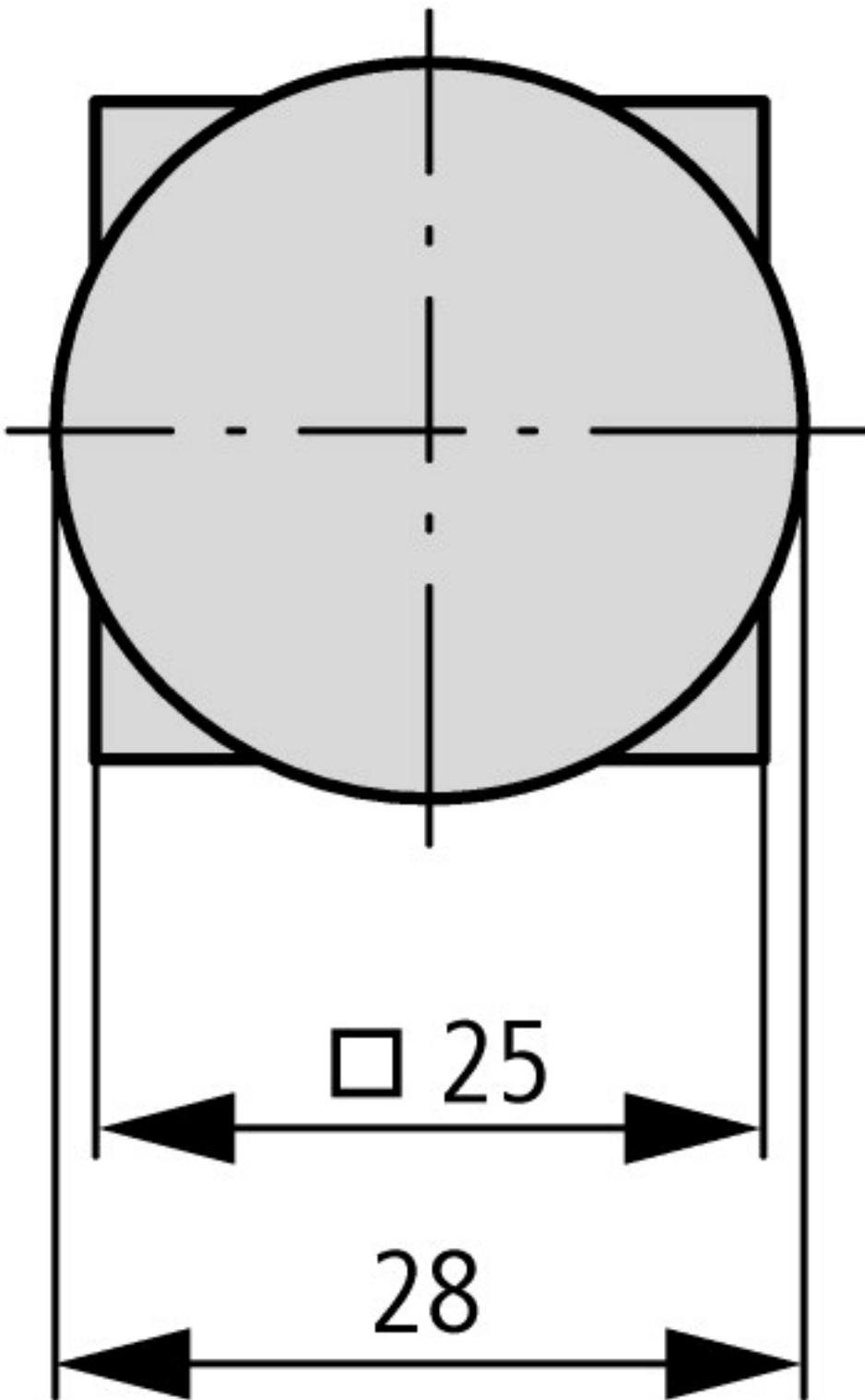
Colour button		Red
Construction type lens		Round
Diameter cap	mm	28
Hole diameter	mm	16
Width opening	mm	16
Height meter opening	mm	6
Degree of protection (IP)		IP65
Type of button		High
Suitable for illumination		Yes
Switching function latching		Yes
Spring-return		Yes
With front ring		No
Material front 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