



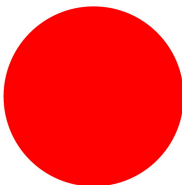
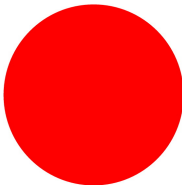


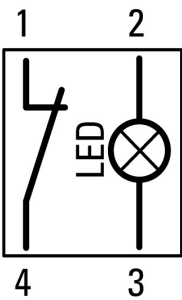


Illuminated pushbutton actuators; maintained; red; 24v; 1 N/C; with cable 1m and M12A plug




Powering Business Worldwide™

Part no. C22-DRL-R-K01-24-P5
Article no. 181368



Delivery program

Product range			RMQ compact solution
Basic function			Illuminated pushbutton actuators
Single unit/Complete unit			Complete unit
Design			Flat
			maintained
Connection type			Cable (black) with M12A plug, 4 pole
Cable Length		m	1
Colour			
LED			
LED			Red
Button plate			
button plate			red
Button plate			
			Blank
Rated operational voltage LED			24 V AC/DC
Name			None
Degree of Protection			IP66, IP67, IP69K (front) IP65 (on rear)
Front ring			Bezel: titanium
Connection to SmartWire-DT			no
Contacts			
N/C = Normally closed			1 NC 
Notes			 = safety function, by positive opening to IEC/EN 60947-5-1
Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1			
	mm		4.65
Maximum travel	mm		5.7
Minimum force for positive opening	N		15
Contact sequence			
Contact travel  = Contact closed  = Contact open			

Contact diagram			 0 2.2 5.5 Zw = 4.5 mm
Positive opening (ZW)			yes

Technical data


General

Standards			IEC/EN 60947-5-1 VDE 0660
Lifespan, mechanical	Operations	x 10 ⁶	> 1
Operating frequency	Operations/h		 3600
Actuating force		n	 5
Plug tightening torque		N/m	1
Tightening torque Threaded ring		Nm	2
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Degree of Protection			IP66, IP67, IP69K (front) IP65 (on rear)
Mounting position			As required
Mechanical shock resistance, shock duration 11 ms		g	> 30

Contacts

Rated impulse withstand voltage	U _{imp}	V AC	4000
Rated insulation voltage	U _i	V	250
Overvoltage category/pollution degree			III/3
Control circuit reliability			
At 17 V DC/7 mA	H _F		N/C contact: statistically determined 1 failure per 0.9 × 10 ⁶ Operations
Max. short-circuit protective device			
Fuse	gG/gL	A	4
Rated conditional short-circuit current	I _q	kA	1

Switching capacity

Rated operational current	I _e	A	
AC-15			
24 V	I _e	A	4
DC-13			
24 V	I _e	A	3
Cable characteristics			
Design			M12A
Cable Length		m	1
Material characteristic			PUR
Diameter		mm	4.7

Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	70

Technical data ETIM 6.0

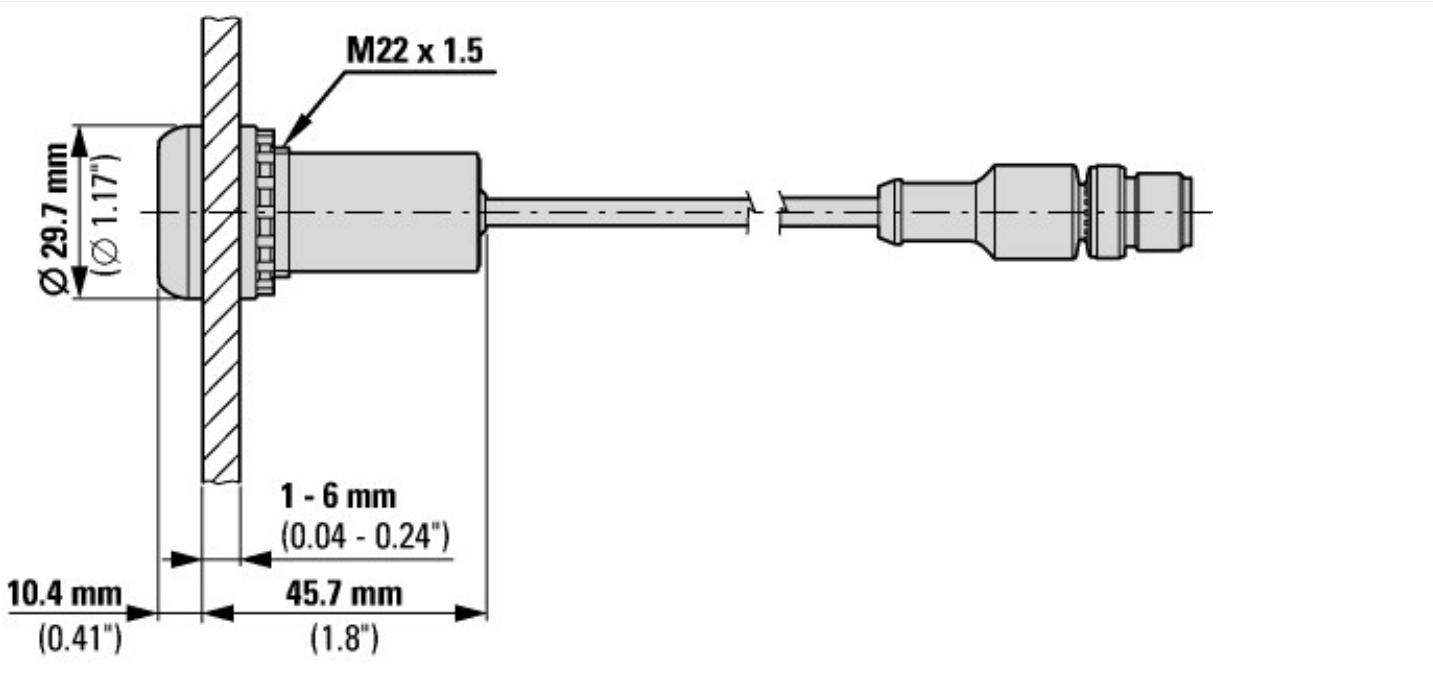
Low-voltage industrial components (EG000017) / Push button, complete (EC001028)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Push-button actuator, complete unit (ecl@ss8.1-27-37-12-28 [AKF046011])			
Number of command positions			1
Colour button			Red
Construction type lens			Round
Hole diameter		mm	22
Width opening		mm	0

Height meter opening	mm	0
Degree of protection (IP)		-
Type of button		Flat
Suitable for illumination		Yes
Switching function latching		Yes
Spring-return		No
Supply voltage lamp	V	24
Number of contacts as normally open contact		0
Number of contacts as normally closed contact		1
Number of contacts as change-over contact		0
Type of electric connection		-
With front ring		Yes
Material front ring		Plastic
Colour front ring		Grey

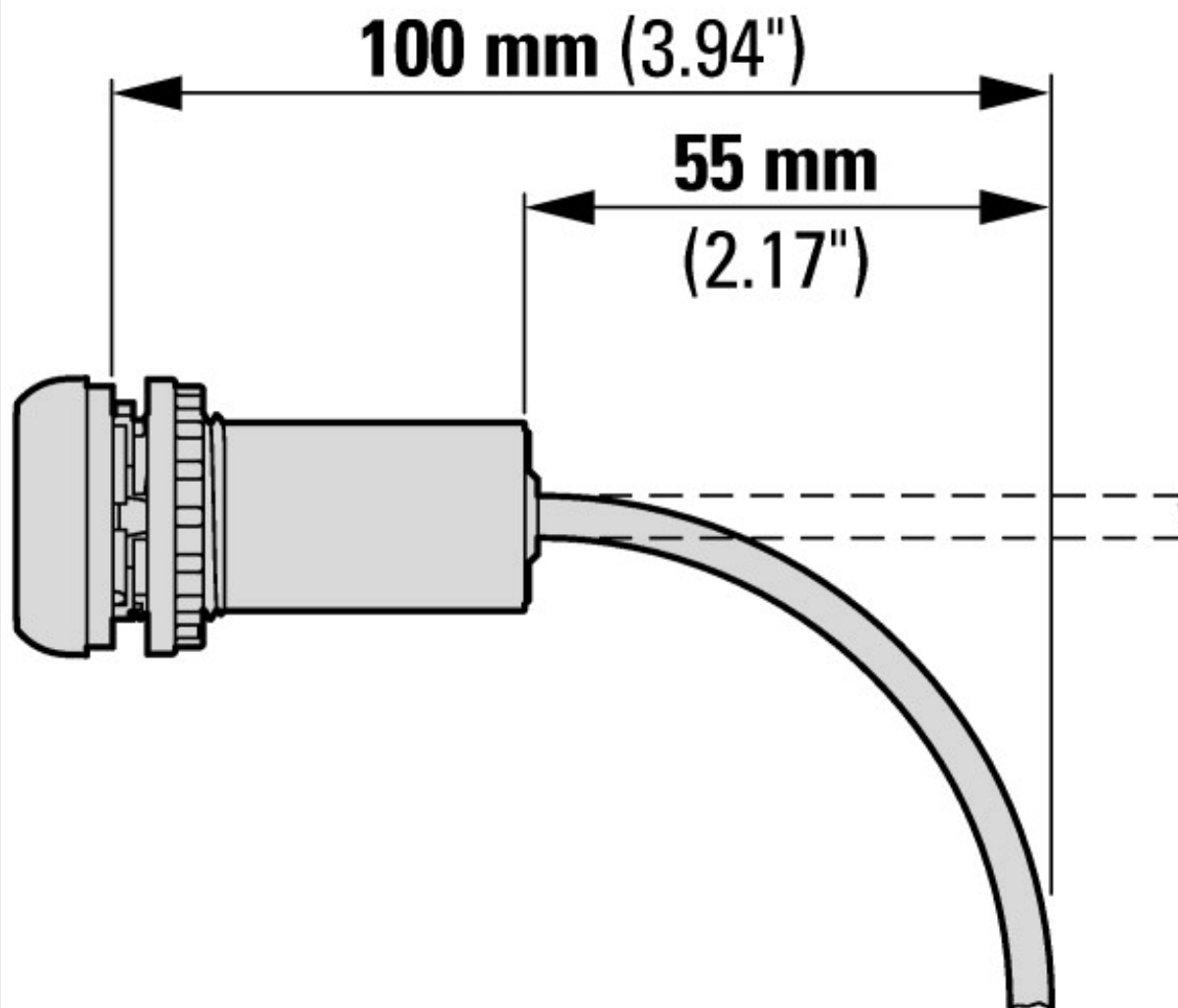
Approvals

Product Standards		IEC/EN 60947-5-1; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; CE marking
UL File No.		E29184
UL Category Control No.		NKCR
CSA File No.		165628
CSA Class No.		321103
North America Certification		UL listed, CSA certified
Degree of Protection		1,3R,4X,12,13

Dimensions



Static: Fixed routing



Flexible use

Additional product information (links)

IL047016ZU RMQ compact solution

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ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL047016ZU2016_10.pdf