Pushbutton, yellow, maintained

Part no.	**Q18DR-GE**
Article no.	**090482**
Catalog No.	**Q18DR-GE**

Delivery program

Product range		RMQ16
Basic function		Pushbutton actuators
Single unit/Complete unit		Single unit
Design		Flat
		maintained

Button plate

button plate		yellow
Button plate		
		Blank
Degree of Protection		IP65
Front ring		without bezel
Connection to SmartWire-DT		no
Front dimensions		18 x 18

Notes

→#090351

Technical data

General

Standards			IEC/EN 60947, VDE 0660
Lifespan, mechanical	Operations	x 10^6	> 3
Operating frequency	Operations/h		$\leqq$ 1800
Actuating force		n	$\leqq$ 4
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 to DIN 46244
Fast-on connectors			2.8 x 0.8 mm to DIN 46247 and IEC 60760

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

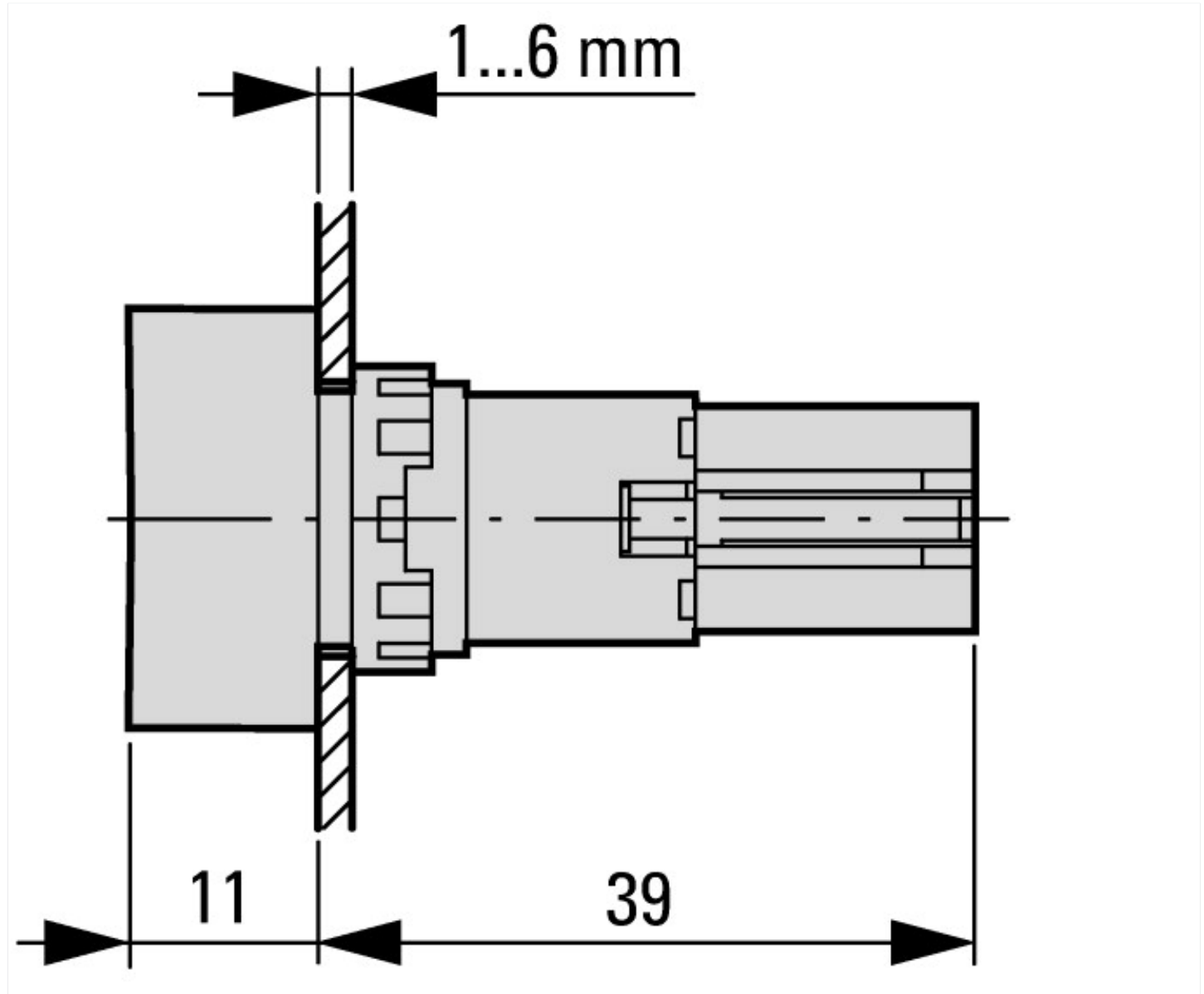|			
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	60
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
	10.2.2 Corrosion resistance		Meets the product standard's requirements.
	10.2.3.1 Verification of thermal stability of enclosures		Meets 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 6.0

Low-voltage industrial components (EG000017) / Front element for push button (EC000221)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for push-button actuators (ecl@ss8.1-27-37-12-10 [AKF028011])

Colour button			Yellow
Number of command positions			1
Construction type lens			Square
Hole diameter		mm	16
Width opening		mm	0
Height meter opening		mm	0
Degree of protection (IP), front side			IP65
Type of button			Flat
Suitable for illumination			No
With protection cover			No
Labelled			No
Switching function latching			Yes
Spring-return			No
With front ring			Yes
Material front ring			Plastic
Colour front ring			Black

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)

IL04716016Z (AWA1160-1429) Mounting of components

IL04716016Z (AWA1160-1429) Mounting of components	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716016Z2011_03.pdf