DATASHEET - Q18D-BL



Pushbutton, blue, momentary

Part no. Q18D-BL Catalog No. 086384 Alternate Catalog Q18D-BL

Νo

EL-Nummer 4356278

(Norway)



Delivery program

Donvory program			
Product range			RMQ16
Basic function			Pushbutton actuators
Mounting hole diameter	Ø	mm	16
Single unit/Complete unit			Single unit
Design			Flat
			momentary
Button plate			
button plate			Blue
Button plate			
			Blank
Degree of Protection			IP65
Front ring			without bezel
Connection to SmartWire-DT			no

Technical data

General			
Standards			IEC/EN 60947, VDE 0660
Lifespan, mechanical	Operations	x 10 ⁶	>3
Operating frequency	Operations/h		≦ 3600
Actuating force		n	≦ 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

Design verification as per IEC/EN 61439

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Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	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.
0.5 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 observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear mus 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 push button (EC000221)

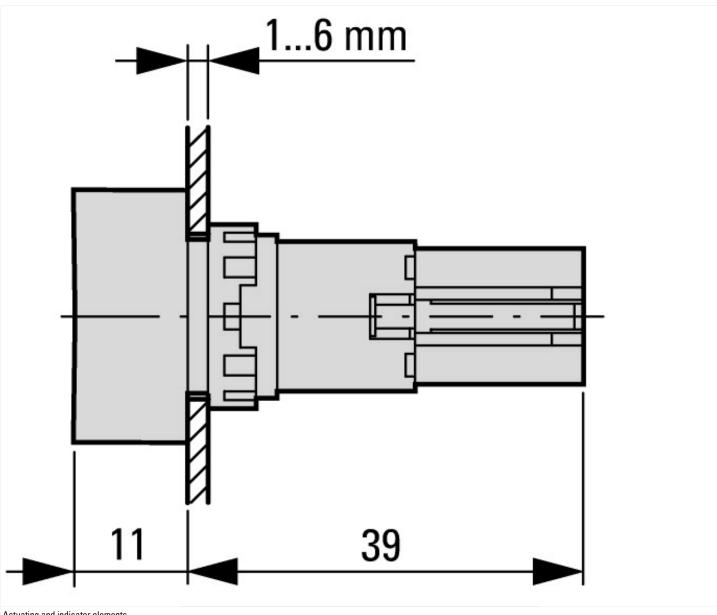
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for push-button actuators (ecl@ss10.0.1-27-37-12-10 [AKF028014])

Number of command positions Construction type lens C			
Sonstruction type lens Hole diameter Midth opening Midth o	Colour button		Blue
Hole diameter mm 16 Width opening mm 0 Height opening mm 0 Fype of button Flat Suitable for illumination NV in protective cover No Labelled No Switching function latching No Spring-return Yes With front ring Yes Waterial front ring Plastic Colour front ring Black Degree of protection (IP), front side No Degree of protectio	Number of command positions		1
Midth opening mm 0 Height opening mm 0 Filet Type of button Flat Suitable for illumination No With protective cover No Labelled No Switching function latching No Spring-return Yes With front ring Yes Material front ring Plastic Colour front ring Black Degree of protection (IP), front side Plastic Plas	Construction type lens		Square
Height opening Flat Flat Suitable for illumination With protective cover Labelled Switching function latching Spring-return With front ring Material front ring Material front ring Colour front ring Degree of protection (IP), front side Mm O Flat Flat No No No No Yes Plastic Black Degree of protection (IP), front side	Hole diameter	mm	16
Fype of button Suitable for illumination No With protective cover No Labelled No Switching function latching Spring-return With front ring Waterial front ring Colour front ring Degree of protection (IP), front side Flat No Flat No Flat No No Plastic Pla	Width opening	mm	0
Suitable for illumination No With protective cover No Labelled No Switching function latching No Spring-return Yes With front ring Waterial front ring Colour front ring Degree of protection (IP), front side No No Ro	Height opening	mm	0
With protective cover Labelled No Switching function latching Switching function latching No Spring-return With front ring Waterial front ring Plastic Colour front ring Black Degree of protection (IP), front side No	Type of button		Flat
Labelled No Switching function latching No Spring-return Yes With front ring Material front ring Plastic Colour front ring Black Degree of protection (IP), front side No No No No Yes Yes Yes Yes Plastic Plastic Plastic	Suitable for illumination		No
Switching function latching Spring-return Yes With front ring Material front ring Colour front ring Degree of protection (IP), front side No Yes Plastic Black IP65	With protective cover		No
Spring-return Yes With front ring Yes Material front ring Plastic Colour front ring Black Degree of protection (IP), front side Personal Plastic IP65	Labelled		No
With front ring Waterial front ring Material front ring Plastic Colour front ring Black Degree of protection (IP), front side IP65	Switching function latching		No
Material front ring Plastic Colour front ring Black Degree of protection (IP), front side IP65	Spring-return		Yes
Colour front ring Black Degree of protection (IP), front side IP65	With front ring		Yes
Degree of protection (IP), front side	Material front ring		Plastic
	Colour front ring		Black
Degree of protection (NEMA), front side	Degree of protection (IP), front side		IP65
	Degree of protection (NEMA), front side		1

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

Dimensions



Actuating and indicator elements Square style