DATASHEET - Q18DR-WS



Pushbutton, white, maintained

Part no. Q18DR-WS Catalog No. 086243 Alternate Catalog Q18DR-WS

No

EL-Nummer 4356281

(Norway)



Delivery program	
Product range	RMQ16
Basic function	Pushbutton actuators
Single unit/Complete unit	Single unit
Design	Flat
	maintained
Button plate	
button plate	White
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

Lifespan, mechanical Operations x 10 ⁶ > 3 Operations/h Actuating force Degree of protection, IEC/EN 60529 Climatic proofing Ambient temperature Open Ope	General			
Operating frequency Actuating force Degree of protection, IEC/EN 60529 Climatic proofing Ambient temperature Open Open Enclosed Mounting position Mechanical shock resistance Terminal capacities Degree of protection, IEC/EN 60529 Operations/h 1	Standards			IEC/EN 60947, VDE 0660
Actuating force Degree of protection, IEC/EN 60529 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 Mounting position Mechanical shock resistance g > 40 according to IEC 60068-2-27 Shock duration 11 ms Sinusoidal Terminal capacities mm² 0.5 - 1.0 Blade terminal	Lifespan, mechanical	Operations	x 10 ⁶	>3
Degree of protection, IEC/EN 60529 Climatic proofing Ambient temperature Open °C -25 - +60 Enclosed Mounting position Mechanical shock resistance g >40 according to IEC 60068-2-37 Shock duration 11 ms Sinusoidal Terminal capacities Blade terminal	Operating frequency	Operations/h		≦ 1800
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 Mechanical shock resistance g > 40 according to IEC 60068-2-27 Shock duration 11 ms Sinusoidal Terminal capacities mm² 0.5 - 1.0 2.8 x 0.8 mm to DIN 46244	Actuating force		n	≦ 4
Ambient temperature Open °C -25 - +60 Enclosed Mounting position Mechanical shock resistance Terminal capacities Blade terminal Damp heat, cyclic, to IEC 60068-2-30 As required As required As required As required To -25 - 40 As required As required Open As required As required 105 - 1.0 2.8 x 0.8 mm to DIN 46244	Degree of protection, IEC/EN 60529			IP65
Open °C -25 - +60 Enclosed °C -25 - 40 Mounting position As required Mechanical shock resistance g > 40 Shock duration 11 ms Sinusoidal Sinusoidal Terminal capacities mm² 0.5 - 1.0 Blade terminal 28 x 0.8 mm to DIN 46244	Climatic proofing			
Enclosed **C - 25 - 40 Mounting position **Mechanical shock resistance **g > 40	Ambient temperature			
Mounting position Mechanical shock resistance g > 40 according to IEC 60068-2-27 Shock duration 11 ms Sinusoidal Terminal capacities mm² 0.5 - 1.0 2.8 x 0.8 mm to DIN 46244	Open		°C	-25 - +60
Mechanical shock resistance g > 40 according to IEC 60068-2-27 Shock duration 11 ms Sinusoidal Terminal capacities mm² 0.5 - 1.0 2.8 x 0.8 mm to DIN 46244	Enclosed		°C	- 25 - 40
according to IEC 60068-2-27 Shock duration 11 ms Sinusoidal Terminal capacities mm² 0.5 - 1.0 Blade terminal 2.8 x 0.8 mm to DIN 46244	Mounting position			As required
Blade terminal 2.8 x 0.8 mm to DIN 46244	Mechanical shock resistance		g	according to IEC 60068-2-27 Shock duration 11 ms
	Terminal capacities		mm ²	0.5 - 1.0
Fast-on connectors 2.8 x 0.8 mm to DIN 46247 and IEC 60760	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	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.
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 switch gear must be observed. $\label{eq:constraint}$
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switch gear must be observed. $\label{eq:constraint}$
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])

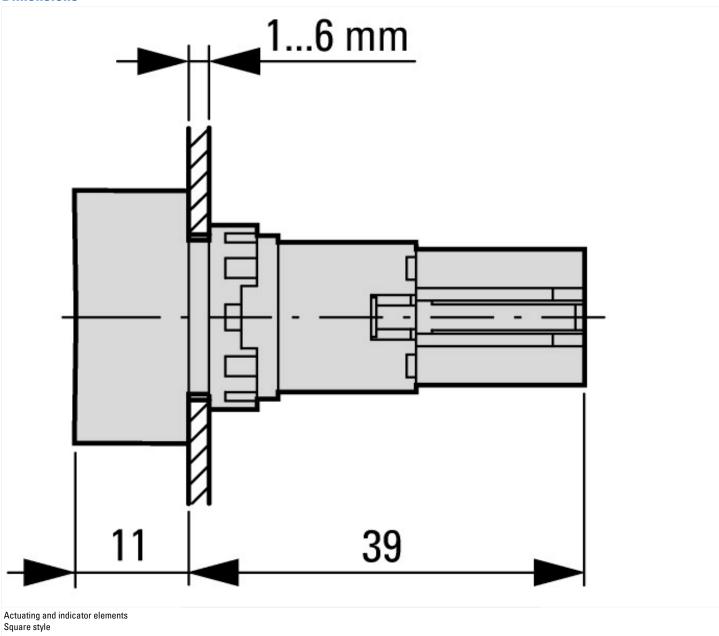
Number of command positions Construction type lens Square Square Hole diameter mm 0 Height opening mm 0 Type of button Suitable for illumination With protective cover Labelled Switching function latching Switching function latching Syring-return With front ring Material front ring Colour front ring Lobelled Suitable for illumination Suitable for illumination Material front ring Black	(ECI@5510.0.1-27-07-12-10 [AKI 020014])		
Construction type lens Construction type lens Square Square Square Hole diameter mm 16 Construction type lens mm 0 Construction pening mm 0 Flat Flat Suitable for illumination No No No Switch ing function latching Switching function latching Spring-return Material front ring Material front ring Colour front ring Square Sq	Colour button		White
Hole diameter mm 16 Width opening mm 0 Height opening mm 0 Type of button Flat Suitable for illumination mo No With protective cover No Labelled No Switching function latching Freturn With front ring Material front ring Material front ring Solution Solution No Clour front ring Head Solution	Number of command positions		1
Width openingmm0Height openingmm0Type of buttonFlatSuitable for illuminationNoWith protective coverNoLabelledNoSwitching function latchingYesSpring-returnNoWith front ringYesMaterial front ringYesMaterial front ringImage: Spring-return of the control of the contr	Construction type lens		Square
Height opening mm 0 Type of button Flat Suitable for illumination No With protective cover No Labelled No Switching function latching Yes Spring-return No With front ring Plastic Colour front ring Black	Hole diameter	mm	16
Type of button Suitable for illumination With protective cover No Labelled No Switching function latching Spring-return With front ring Material front ring Colour front ring Spring-return Spring-ret	Width opening	mm	0
Suitable for illumination With protective cover Labelled No Switching function latching Spring-return With front ring Material front ring Colour front ring No No No Yes Plastic Black	Height opening	mm	0
With protective cover Labelled No Switching function latching Spring-return With front ring Material front ring Colour front ring No No No No Plastic Black	Type of button		Flat
Labelled No Switching function latching Yes Spring-return No With front ring Yes Material front ring Plastic Colour front ring Black	Suitable for illumination		No
Switching function latching Spring-return No With front ring Material front ring Colour front ring Switching function latching Yes Plastic Black	With protective cover		No
Spring-return No With front ring Material front ring Colour front ring Black	Labelled		No
With front ring Yes Material front ring Plastic Colour front ring Black	Switching function latching		Yes
Material front ring Plastic Colour front ring Black	Spring-return		No
Colour front ring Black	With front ring		Yes
	Material front ring		Plastic
Degree of protection (IP) front oids	Colour front ring		Black
Degree of protection (17), front side	Degree of protection (IP), front side		IP65
Degree of protection (NEMA), front side	Degree of protection (NEMA), front side		1

Approvals

Product Standards	IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CE marking
Product Standards	IEC/EIN 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



Assets (links)

Declaration of CE Conformity

00002898

Instruction Leaflets

IL04716016Z2018_05

Additional product information (links)

IL04716016Z (AWA1160-1429) Mounting of components

IL04716016Z (AWA1160-1429) Mounting of components

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716016Z2018_05.pdf