#### DATASHEET - Q18LWK1-GN/WB



Illuminated selector switch actuator, momentary, 45°, 18 × 18 mm, 2 positions, With thumb-grip, green, with VS anti-rotation tab, with filament bulb, 24 V



Part no.Q18LWK1-GN/WBCatalog No.038883Alternate CatalogQ18LWK1-GN-WBNo.0.

#### **Delivery program**

Product range	RMQ16
Basic function	Illuminated selector switch actuator
Single unit/Complete unit	Single unit
Design	With thumb-grip
	momentary
Function:	
	↓> <sub>45°</sub>
Description	with VS anti-rotation tab with filament bulb, 24 V
	2 positions
Colour	
Thumb-grip	green
Degree of Protection	IP65
Connection to SmartWire-DT	no
Front dimensions	18 × 18 mm

# Technical data

		IEC/EN 60947
Operations	x 10 <sup>6</sup>	>3
Operations/h		≦ 1800
	Nm	≦ 0.2
		IP65
		Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
	°C	-25 - +60
	°C	- 25 - 40
		As required
	g	> 40 according to IEC 60068-2-27 Shock duration 11 ms Sinusoidal
	mm <sup>2</sup>	0.5 - 1.0
		2.8 x 0.8 mm to DIN 46244
		2.8 x 0.8 mm to DIN 46247 and IEC 60760
U <sub>imp</sub>	V AC	800
Ui	V	250
		111/3
	Operations/h	Operations/h Nm   oc oc   oc oc <t< td=""></t<>

Rated operational voltage	U <sub>e</sub>
Control circuit reliability	
at 24 V DC/5 mA	H <sub>F</sub>
at 5 V DC/1 mA	H <sub>F</sub>
Use of insulated ferrule ISH 2,8	

V AC	24
Fault probabilit	< 10 <sup>-7</sup> (i.e. 1 failure to 10 <sup>7</sup> operations) y
Fault probabilit	< 5 x 10 <sup>-6</sup> (1 failure in 5 x 10 <sup>6</sup> operations) Y
	>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

Design vernication as per 120/211 01455			
Technical data for design verification			
Rated operational current for specified heat dissipation	I <sub>n</sub>	А	0
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	1
Heat dissipation capacity	P <sub>diss</sub>	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			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
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 7.0**

Low-voltage industrial components (EG000017) / Front element for selector switch (EC000222)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Warden State State

Colour indicator light cap Construction type lens Green

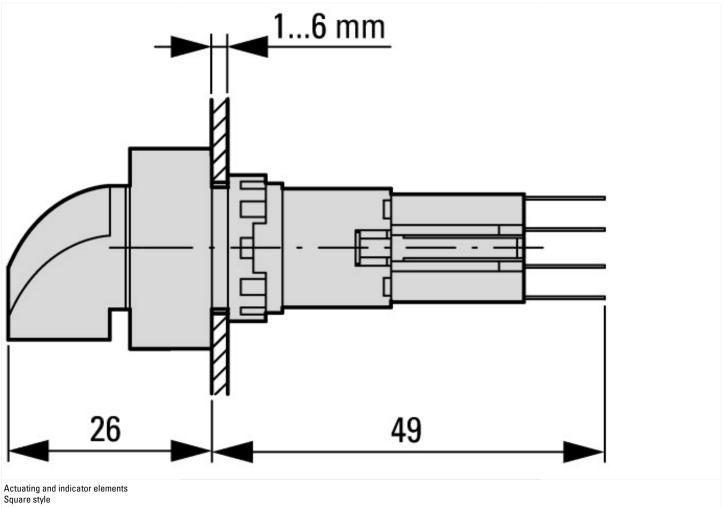
Square

Hole diameter	mm	16
Width opening	mm	0
Height opening	mm	0
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		IP65
Degree of protection (NEMA)		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
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