



## Selector switch, 2 positions, white, momentary

Part no. **Q18WK1**  
Article no. **036515**  
Catalog No. **Q18WK1**

### Delivery programme

Product range			RMQ16 (drilling dimensions 16 mm)
Basic function			Selector switch actuators
Single unit/Complete unit			Single unit
Design			With thumb-grip
			momentary
<b>Function:</b>			
			45°
Description			with VS anti-rotation tab
			2 positions
<b>Colour</b>			
			White
Degree of Protection			IP65
Front ring			without front ring
Connection to SmartWire-DT			no
Front dimensions			Front dimensions 18 x 18 mm

### Technical data

#### General

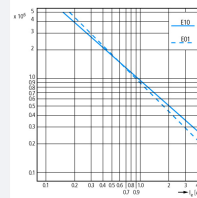
Standards			IEC/EN 60947
Lifespan, mechanical	Operations	$\times 10^6$	> 3
Operating frequency	Operations/h		$\leq 1800$
Operating torque		Nm	$\leq 0.2$
Degree of protection, IEC/EN 60529			IP65
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature		°C	
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 <sup>2</sup>	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

#### Contacts

Rated impulse withstand voltage	$U_{imp}$	V AC	800
Rated insulation voltage	$U_i$	V	250
Overvoltage category/pollution degree			III/3
Rated operational voltage	$U_e$	V AC	24
Control circuit reliability			
at 24 V DC/5 mA	$H_F$	Fault probability	$< 10^{-7}$ (i.e. 1 failure to $10^7$ operations)
at 5 V DC/1 mA	$H_F$	Fault probability	$< 5 \times 10^{-6}$ (1 failure in $5 \times 10^6$ operations)
Use of insulated ferrule ISH 2,8			On >24 V AC/DC recommended On >50 V AC or 120 V DC mandatory, also on unoccupied blade terminals

## Switching capacity

Lifespan, electrical AC-15 to IEC/EN 60947-5-1 at 230 V;  $I_e$  = rated operational current



## 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 selector switch (EC000222)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for selector switches (ecl@ss8.1-27-37-12-13 [AKF031011])

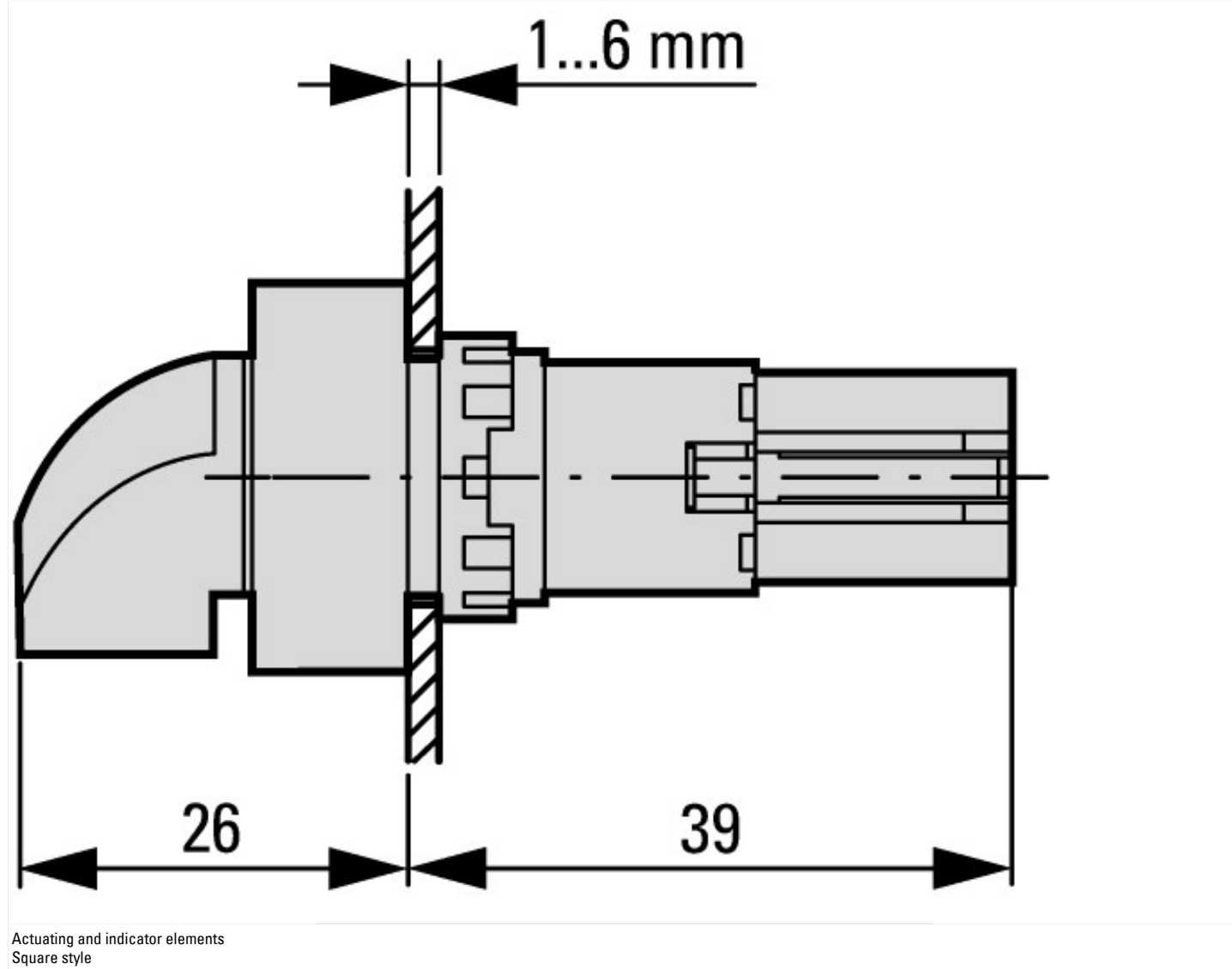
Number of switch positions		2
Type of control element		Toggle
Suitable for illumination		No
Colour control element		White
Colour indicator light cap		Not applicable
Construction type lens		Square
Hole diameter	mm	16

Width opening		mm	0
Height meter opening		mm	0
Switching function latching			No
Spring-return			Yes
Degree of protection (IP), front side			IP65
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



## Additional product information (links)

<b>IL04716016Z (AWA1160-1429) Mounting of components</b>	
IL04716016Z (AWA1160-1429) Mounting of components	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716016Z2011_03.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716016Z2011_03.pdf</a>