

Selector switch, 3 positions, white, maintained

Part no. Q18WK3R2
Catalog No. 072311
Alternate Catalog No. Q18WK3R2

Delivery program

Product range			RMQ16
Basic function			Selector switch actuators
Mounting hole diameter	∅	mm	16
Single unit/Complete unit			Single unit
Design			With thumb-grip maintained/momentary
Function:			
			45°  45°
Description			with VS anti-rotation tab 3 positions
Colour			
Thumb-grip			White
Degree of Protection			IP65
Front ring			without bezel
Connection to SmartWire-DT			no

Technical data

General

Standards			IEC/EN 60947
Lifespan, mechanical	Operations	x 10 ⁶	> 3
Operating frequency	Operations/h		≤ 1800
Operating torque		Nm	≤ 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			
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

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 , < 1 failure in 10 ⁷ operations
at 5 V DC/1 mA	H _F	Fault probability	< 5 x 10 ⁻⁶ , < 1 failure in 5 x 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

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 8.0

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@ss10.0.1-27-37-12-13 [AKF031014])			
Number of switch positions			3
Type of control element			Toggle
Suitable for illumination			No
Colour control element			White
Colour indicator light cap			Other
Construction type lens			Square
Hole diameter		mm	16
Width opening		mm	0
Height opening		mm	0
Switching function latching			Yes
Spring-return			No
With front ring			Yes
Material front ring			Plastic
Colour front ring			Black
Degree of protection (IP), front side			IP65

