



Changeover switch, With thumb-grip, maintained, 1 NC, Cable (black) with non-terminated end, 4 pole, 1 m, 2 positions, Bezel: titanium

Part no. C22-WRK-K01-P62  
 Catalog No. 186166

**Delivery program**

Product range			RMQ compact solution
Basic function			Selector switch actuators
Mounting hole diameter	∅	mm	22.5
Single unit/Complete unit			Complete unit
Design			With thumb-grip maintained
<b>Function:</b>			
			↙ 60°
Connection type			Cable (black) with non-terminated end, 4 pole
Cable Length		m	1
			2 positions
Degree of Protection			IP66 (front) IP65 (on rear)
Front ring			Bezel: titanium
Connection to SmartWire-DT			no
<b>Contacts</b>			
N/C = Normally closed			1 NC
Notes			= safety function, by positive opening to IEC/EN 60947-5-1
<b>Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1</b>			
		mm	4.65
Maximum travel		mm	5.7
Minimum force for positive opening		N	15
Contact sequence			<div style="text-align: center;"> <p>BN</p> <p>BK</p> </div>
<b>Contact travel  = Contact closed  = Contact open</b>			
Contact diagram			<p>0 2.2 5.5 Zw = 4.5 mm</p>

Positive opening (ZW)		yes
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## Technical data

### General

Standards			IEC/EN 60947-5-1 VDE 0660
Certifications			CE, UL, CSA
Operating frequency	Operations/h		≤ 2000
Operating torque		Nm	≤ 0.3
Tightening torque Threaded ring		Nm	2
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Degree of Protection			IP66 (front) IP65 (on rear)
Ambient temperature			
Open		°C	-30 - +70
Storage		°C	- 30 - + 80
Mounting position			As required
Mechanical shock resistance, shock duration 11 ms		g	> 30

### Contacts

Rated impulse withstand voltage	$U_{imp}$	V AC	800
Rated insulation voltage	$U_i$	V	30
Overvoltage category/pollution degree			III/3
Control circuit reliability			
At 17 V DC/7 mA	$H_F$		N/C contact: statistically determined 1 failure per $0.9 \times 10^6$ Operations
Max. short-circuit protective device			
Fuse	gG/gL	A	4
Rated conditional short-circuit current	$I_q$	kA	1

### Switching capacity

Rated operational current	$I_e$	A	
AC-15			
24 V	$I_e$	A	4
DC-13			
24 V	$I_e$	A	3

### Cable characteristics

Design			Cable end open
Cable Length		m	1
Material characteristic			PUR
Diameter	∅	mm	4.7

## Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.		°C	-30
Operating ambient temperature max.		°C	70

## Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Selector switch, complete (EC001029)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Selector switch, complete unit (ecl@ss10.0.1-27-37-12-43 [ACN984011])			
Number of switch positions			2
Type of control element			Toggle
Suitable for illumination			No
With light source			No
Colour button			Black
Hole diameter		mm	22.5
Width opening		mm	0
Height opening		mm	0

Switching function latching		Yes
Spring-return		No
Degree of protection (IP)		Other
Degree of protection (NEMA)		Other
Supply voltage	V	0 - 0
Number of contacts as normally open contact		0
Number of contacts as normally closed contact		1
Number of contacts as change-over contact		0
Type of electric connection		Other
With front ring		Yes
Material front ring		Plastic
Colour front ring		Other

## Approvals

Product Standards		IEC/EN 60947-5-1; UL 508; CAN/CSA-C22.2 No. 14-18 and No. 94.2-15; CE marking
UL File No.		E29184
UL Category Control No.		NKCR
CSA File No.		165628
CSA Class No.		321103
North America Certification		UL listed, CSA certified

## Dimensions

