

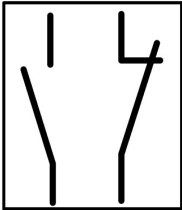


Changeover switch, With thumb-grip, maintained, 1 NC, 1 N/O, Cable (black) with non-terminated end, 4 pole, 3.5 m, 2 positions, Bezel: titanium



Part no. C22-WRK-K11-P65
Catalog No. 186180

Delivery program

Product range			RMQ compact solution
Basic function			Selector switch actuators
Mounting hole diameter	Ø	mm	22.5
Single unit/Complete unit			Complete unit
Design			With thumb-grip
			maintained
Function:			
			 60°
Connection type			Cable (black) with non-terminated end, 4 pole
Cable Length		m	3.5
			2 positions
Degree of Protection			IP66 (front) IP65 (on rear)
Front ring			Bezel: titanium
Connection to SmartWire-DT			no
Contacts			
N/C = Normally closed			1 NC 
N/O = Normally open			1 N/O
Notes			 = safety function, by positive opening to IEC/EN 60947-5-1
Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1			
	mm		4.65
Maximum travel	mm		5.7
Minimum force for positive opening	N		20
Contact sequence			BN WH  BK BU
Contact travel  = Contact closed  = Contact open			
Contact diagram			3.15  0 2.2 5.5 Zw = 4.5 mm
Positive opening (ZW)			yes

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/O contact: statistically determined 1 failure per 17 × 10 ⁶ operations N/C contact: statistically determined 1 failure per 0.9 × 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	3.5
Material characteristic			PUR
Diameter	Ø	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		1
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

