DATASHEET - C22-WS3-MS1-K02



Key-operated actuator, RMQ Compact, momentary, 2 NC, Screw connection, 3 positions, MS1, Bezel: titanium



Part no. C22-WS3-MS1-K02
Catalog No. 132816
Alternate Catalog C32 WS3 MS1 K03

Alternate Catalog C22-WS3-MS1-K02

No.

Delivery program		
Product range		RMQ Compact
Basic function		Key-operated buttons
Single unit/Complete unit		Complete unit
		momentary
Function:		
		40° 🕩 40°
Connection type		Screw connection
		Not suitable for master key systems
		3 positions
Lock mechanism		MS1
Key withdrawable in position		
		0
Degree of Protection		IP66
Front ring		Bezel: titanium
Connection to SmartWire-DT		no
Contacts		
N/C = Normally closed		2 NC →
Notes		e 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	30
Contact sequence		1 3 4 2 4
Contact travel = Contact closed = Contact open		
Contact diagram		0 2.2 5.5 Zw = 4.5 mm
Positive opening (ZW)		yes
Information about equipment supplied		With 1 key

Technical data

General			
Standards			IEC/EN 60947-5-1 VDE 0660
Lifespan, mechanical	Operations	x 10 ⁶	> 0.1

Operating frequency	Operations/h		≦ 100
Operating torque		Nm	≦ 0.5
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Degree of Protection			IP66
Mounting position			As required
Terminal capacities		mm^2	
Solid		mm^2	2 x 0.5 - 1.5
Flexible with ferrule		mm ²	2 x 0.5 - 1.5
Tightening torque for terminal screw		Nm	0.8
Contacts			
Rated impulse withstand voltage	U_{imp}	V AC	4000
Rated insulation voltage	Ui	V	250
Rated conditional short-circuit current	I_q	kA	1
Overvoltage category/pollution degree			III/3
Control circuit reliability			
at 24 V DC/5 mA	H _F	Fault probabilit	values follow ty
at 5 V DC/1 mA	H _F	Fault probabilit	values follow ty
Max. short-circuit protective device			
Fuse	qG/qL	Α	10

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 3 Type of control element Key Suitable for illumination Mo With light source No Colour button Black Hole diameter Black Width opening mo 2.5 Width opening mo 0 Switching function latching mo 0 Switching function latching mo 0 Spring-return po No Degree of protection (NEMA) po No Supply voltage po 0 Number of contacts as normally open contact po 0 Number of contacts as normally closed contact po 0 Number of contacts as normally closed contact po 0 Number of contacts as normally closed contact po 0 With front ring po 0 <th></th> <th></th> <th></th>			
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 Mm 0 Spring-return No No Degree of protection (IP) P66 Degree of protection (NEMA) V 0-0 Number of contacts as normally open contact V 0-0 Number of contacts as normally closed contact 2 2 Number of contacts as change-over contact 2 2 Number of contacts as change-over contact C 2 2 Number of contacts as change-over contact C 2 2 Number of contacts as change-over contact C C C Vibrary of electric connection C C C C Vibrary of electric connection C C C C With front ring C C C C C With find the ring C C <th< td=""><td>Number of switch positions</td><td></td><td>3</td></th<>	Number of switch positions		3
With light source Colour button Colour button Colour button Hole diameter Width opening Width opening Minus Switching function latching Switching function latching Spring-return Cogree of protection (IP) Degree of protection (NEMA) Supply voltage Number of contacts as normally closed contact Number of contacts as normally closed contact Number of contacts as normally closed contact Type of electric connection With front ring Marial front ring Minus Supply Worlage Number of contacts as change-over contact With front ring Minus Mi	Type of control element		Key
Colour button Hole diameter Midth opening Midth opening Meight opening Midth opening M	Suitable for illumination		No
Hole diameter mm 22.5 Width opening mm 0 Height opening mm 0 Switching function latching No Spring-return Yes Degree of protection (IP) IP66 Degree of protection (NEMA) V 0-0 Number of contacts as normally open contact O 1 Number of contacts as normally closed contact V 1 Number of contacts as change-over contact V 1 Number of electric connection Viffe of electric connection Viff front ring Material front ring P 1 Number of contacts as normally closed contact V 1 Number of electric connection Viffe of electric connection Viffe of electric connection Viffe front ring Ves	With light source		No
Width opening mm 0 Height opening mm 0 Switching function latching mm 0 Spring-return Ves Ves Degree of protection (IP) IP66 IP66 Degree of protection (NEMA) V 0 - 0 Supply voltage V 0 - 0 Number of contacts as normally open contact 2 2 Number of contacts as normally closed contact 2 0 Type of electric connection Screw connection Yes With front ring Yes Plastic	Colour button		Black
Height opening mm 0 Switching function latching Switching function latching Spring-return Degree of protection (IP) Degree of protection (NEMA) Supply voltage Number of contacts as normally open contact Number of contacts as normally closed contact Number of contacts as change-over contact Type of electric connection With front ring Material front ring Material front ring mm 0 No	Hole diameter	mm	22.5
Switching function latching Spring-return Spring-return Degree of protection (IP) Degree of protection (NEMA) Supply voltage Number of contacts as normally open contact Number of contacts as normally closed contact Number of contacts as change-over contact Type of electric connection With front ring Material front ring No No Pess Nov No	Width opening	mm	0
Spring-return Degree of protection (IP) Degree of protection (NEMA) Supply voltage V 0-0 Number of contacts as normally open contact Number of contacts as change-over contact Number of contacts as change-over contact V 10 V 1	Height opening	mm	0
Degree of protection (IP) Degree of protection (NEMA) Supply voltage Number of contacts as normally open contact Number of contacts as normally closed contact Number of contacts as change-over contact Number of contacts as change-over contact Number of contacts as change-over contact Number of lectric connection With front ring Material front ring Plastic	Switching function latching		No
Degree of protection (NEMA) Supply voltage V 0-0 Number of contacts as normally open contact Number of contacts as normally closed contact Number of contacts as change-over contact Type of electric connection With front ring Material front ring Plastic	Spring-return		Yes
Supply voltageV0 - 0Number of contacts as normally open contact0Number of contacts as normally closed contact2Number of contacts as change-over contact0Type of electric connectionScrew connectionWith front ringYesMaterial front ringPlastic	Degree of protection (IP)		IP66
Number of contacts as normally open contact Number of contacts as normally closed contact Number of contacts as change-over contact Number of contacts as change-over contact O Type of electric connection With front ring Material front ring Plastic	Degree of protection (NEMA)		
Number of contacts as normally closed contact Number of contacts as change-over contact Type of electric connection With front ring Material front ring 2 Screw connection Yes Material front ring Plastic	Supply voltage	V	0 - 0
Number of contacts as change-over contact Type of electric connection With front ring Material front ring O Screw connection Yes Plastic	Number of contacts as normally open contact		0
Type of electric connection Screw connection With front ring Yes Material front ring Plastic	Number of contacts as normally closed contact		2
With front ring Yes Material front ring Plastic	Number of contacts as change-over contact		0
Material front ring Plastic	Type of electric connection		Screw connection
	With front ring		Yes
Colour front ring Other	Material front ring		Plastic
	Colour front ring		Other

Approvals

Product Standards	IEC/EN 60947-5-1; UL 508; CAN/CSA-C22.2 No. 14-05 und 94-M91; 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
Degree of Protection	1,3R,4X,12,13

Dimensions

