

# Key-operated actuator, classic, maintained, 3 positions, MS1, 2 N/O, cable (black) with non-terminated end, 4 pole, 3.5 $\,\mathrm{m}$



Part no. C22-WRS3-MS1-K20-P65 Catalog No. 186285

Basic function  Single unit/Complete unit  Function:  69° ↓ 60°  Connection type  Cable Length  m 3.5  Not suitable for master key systems 3 positions  Lock mechanism  Key withdrawable in position  I  Degree of Protection  Degree of Protection  Front ring  Connection to SmartWire-DT  Contacts  N/O = Normally open  Contact sequence  Contact travel = Contact closed = Contact open  Contact diagram  Contact diagram  Key withdrawable buttons  Complete unit maintained   Sep* ↓ 60°  Cable (black) with non-terminated end, 4 pole  A pole	Delivery program		
Simple unit/Complete unit maintained  Function:    Function:	Product range		RMQ compact solution
Function:    Function:	Basic function		Key-operated buttons
Function:  Connection type  Cable Langth  m 3.5  Not suitable for master key systems 3 positions  Key withdrawable in position  I  Degree of Protection Front ring Connection to SmartWire-DT  Contacts  N/O = Normally open Contact sequence  Contact travel = Contact closed = Contact open Contact diagram  Contact diagram    Bob   Foot   Fo	Single unit/Complete unit		Complete unit
Connection type Cable Length  m 3.5 Not suitable for master key systems 3 positions  MS1  Key withdrawable in position    1			maintained
Cable (black) with non-terminated end, 4 pole  Cable (black) with non-terminated end, 4 pole  m 3.5  Not suitable for master key systems 3 positions  MS1   Key withdrawable in position  I 0  II 0  Degree of Protection  Front ring  Connection to SmartWire-DT  Contacts  N/O = Normally open  Contact sequence  Contact travel = Contact closed = Contact open  Contact diagram  Contact diagram	Function:		
Cable Length  m 3.5  Not suitable for master key systems 3 positions  MS1  Lock mechanism  Key withdrawable in position  I 0 II 0 Degree of Protection  Protection  Protection  Protection to SmartWire-DT  Contacts  N/O = Normally open  Contact sequence  Contact sequence  Contact travel = Contact closed = Contact open  Contact diagram  Contact diagram  Do 3.15 5.5			60° V 60°
Not suitable for master key systems 3 positions  MS1  Key withdrawable in position  I  O  III  Degree of Protection IP65 (front) IP65 (fornt) IP65 (on rear) Bezet ittanium  Connection to SmartWire-DT  Contacts N/O = Normally open  Contact sequence  BN WH  I D BN WH  I D BK BU  Contact travel = Contact closed = Contact open  Contact travel = Contact closed = Contact open	Connection type		Cable (black) with non-terminated end, 4 pole
Lock mechanism  Key withdrawable in position  I  0  II  1  1  Degree of Protection  Protec	Cable Length	m	3.5
Lock mechanism  Key withdrawable in position  I  0  II  1P66 (front) 1P65 (nor rear)  Front ring  Bezel: titanium  Connection to SmartWire-DT  Contacts  N/O = Normally open  Contact saquence  BN WH  II  BN WH  II  BN WH  II  BN WH  II  Contact travel = Contact closed = Contact open  Contact travel = Contact closed = Contact open  Contact diagram			Not suitable for master key systems
Key withdrawable in position    Contact travel   Contact closed   Contact open			3 positions
Degree of Protection  II  Degree of Protection  IP66 (front) IP65 (on rear)  Bezel: titanium  no  Contacts  N/O = Normally open  Contact sequence  BN WH  BK BU  Contact travel = Contact closed = Contact open  Contact diagram	Lock mechanism		MS1
Degree of Protection  II  IP66 (front) IP66 (on rear)  Front ring  Connection to SmartWire-DT  Contacts  N/O = Normally open  Contact sequence  BN WH  I I I I I I I I I I I I I I I I I I I	Key withdrawable in position		
Degree of Protection  Front ring  Connection to SmartWire-DT  Contacts  N/O = Normally open  Contact sequence  BN WH  BK BU  Contact travel = Contact closed = Contact open  Contact diagram			I
Degree of Protection  IP66 (front) IP65 (on rear)  Bezel: titanium  no  Contacts  N/O = Normally open  Contact sequence  BN WH  BK BU  Contact travel = Contact closed = Contact open  Contact diagram			0
Front ring Connection to SmartWire-DT Contacts N/O = Normally open Contact sequence  BN WH  BK BU  Contact travel = Contact closed = Contact open Contact diagram			II
Contacts  N/0 = Normally open  Contact sequence  BN WH  BK BU  Contact travel = Contact closed = Contact open  Contact diagram	Degree of Protection		IP66 (front) IP65 (on rear)
Contact sequence  Contact travel = Contact closed = Contact open  Contact diagram  Contact diagram	Front ring		Bezel: titanium
N/0 = Normally open  Contact sequence  BN WH  BK BU  Contact travel = Contact closed = Contact open  Contact diagram  0 3.15 5.5	Connection to SmartWire-DT		no
Contact travel = Contact closed = Contact open  Contact travel = Contact closed = Contact open  Contact diagram  0 3.15 5.5	Contacts		
Contact travel = Contact closed = Contact open  Contact diagram  0 3.15 5.5	N/O = Normally open		2 N/O
Contact diagram  0 3.15 5.5	Contact sequence		
0 3.15 5.5	Contact travel = Contact closed = Contact open		
Information about equipment supplied With 1 key	Contact diagram		0 3.15 5.5
	Information about equipment supplied		With 1 key

### **Technical data**

General			
Standards			IEC/EN 60947-5-1 VDE 0660
Certifications			CE, UL, CSA
Operating frequency	Operations/h		≦ <sub>100</sub>
Operating torque		Nm	≦ <sub>0.5</sub>
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)

Mounting position			As required
Mechanical shock resistance, shock duration 11 ms		g	> 30
Contacts			
Rated impulse withstand voltage	$U_{imp}$	V AC	4000
Rated insulation voltage	Ui	V	250
Overvoltage category/pollution degree			111/3
Control circuit reliability			
At 17 V DC/7 mA	H <sub>F</sub>		N/0: 1 failure per 17 $\times$ $10^6$ switching operations, statistically determined
Max. short-circuit protective device			
Fuse	gG/gL	Α	4
Rated conditional short-circuit current	$I_q$	kA	1
Switching capacity			
Rated operational current	I <sub>e</sub>	Α	
AC-15			
24 V	I <sub>e</sub>	Α	4
DC-13			
24 V	Ie	Α	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 max.	°C	-25
Operating ambient temperature max.	°C	70

#### **Technical data ETIM 6.0**

Technical data Ettivi 6.0			
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@ss8.1-27-37-12-43 [ACN984008])			
Number of switch positions			3
Type of control element			Key
Suitable for illumination			No
With lamp			No
Colour button			Black
Hole diameter		mm	22
Width opening		mm	0
Height meter opening		mm	0
Switching function latching			Yes
Spring-return Spring-return			No
Degree of protection (IP)			IP66
Supply voltage		V	0 - 0
Number of contacts as normally open contact			2
Number of contacts as normally closed contact			0
Number of contacts as change-over contact			0
Type of electric connection			-
With front ring			Yes
Material front ring			Plastic
Colour front ring			-

#### **Dimensions**

