



22MM PLASTIC ROUND ACTUATOR: CES KEY-OPER.SWITCH WITH 2 KEYS 2 SWITCH POSITIONS O-I MOMENTARY CONTACT TYPE LOCK NO SMS 1, REMOVAL POS. O WITH HOLDER

Actuator:	
Design of the product	Single device round
Design of the operating mechanism	Key-operated switch
Functionality / of the actuator	Momentary contact type
Type of unlocking device	key unlatching
Color / of the activation element	Silver
Material / of the activation element	metal
Make of the lock	CES
Number of switching positions	2
Switch position for key distraction	I
Actuating angle	
• clockwise	° 50
Product component / front ring	Yes
Material / of the front ring	plastic
Color / of the front ring	black
Design of the front ring	Standard
Product function / EMERGENCY STOP function	No
Holder:	
Material / of the holder	Plastic

**General technical data:**

<b>Resistance against shock</b> <ul style="list-style-type: none"><li>• for devices without incandescent lamp / according to IEC 60068-2-27</li></ul>		<= 50g
<b>Resistance against vibration / according to IEC 60068-2-6</b>		20 ... 200 Hz: 5g
<b>Operating cycles / maximum</b>	1/h	1,000
<b>Mechanical operating cycles as operating time / typical</b>		300,000
<b>Reference code</b> <ul style="list-style-type: none"><li>• according to DIN EN 61346-2</li><li>• according to DIN 40719 extended according to IEC 204-2 / according to IEC 750</li></ul>		S S
<b>Tightening torque / of the screws in the bracket / maximum</b>	N·m	1
<b>Ambient temperature</b> <ul style="list-style-type: none"><li>• during operating</li><li>• during storage</li></ul>	°C °C	-25 ... +70 -40 ... +80
<b>Protection class IP</b>		IP66
<b>B10 value / with high demand rate / according to SN 31920</b>		100,000
<b>Proportion of dangerous failures / with high demand rate / according to SN 31920</b>	%	20
<b>Proportion of dangerous failures / with low demand rate / according to SN 31920</b>	%	20
<b>Failure rate [FIT] / with low demand rate / according to SN 31920</b>	FIT	100
<b>T1 value / for proof test interval or service life / according to IEC 61508</b>	a	20
<b>climatic class / during the operating phase / according to EN 60721</b>		3K6
<b>Mounting type</b>		front mounting
<b>Shape / of the installation hole</b>		round
<b>Installation width</b>	mm	28.5
<b>Mounting diameter</b>	mm	22
<b>Mounting height</b>	mm	64
<b>Mounting depth</b>	mm	29

**Certificates/ approvals:**

**General Product Approval**



**Declaration of  
Conformity**

EG-Konf.

**Test Certificates**

[Special Test  
Certificate](#)

**Shipping Approval**



ABS



DNV



LRS



PRS



RINA

**other**

[Confirmation](#)

[other](#)

[Environmental  
Confirmations](#)

**Further information:**

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<http://www.siemens.com/industrial-controls/mall>

**Cax online generator**

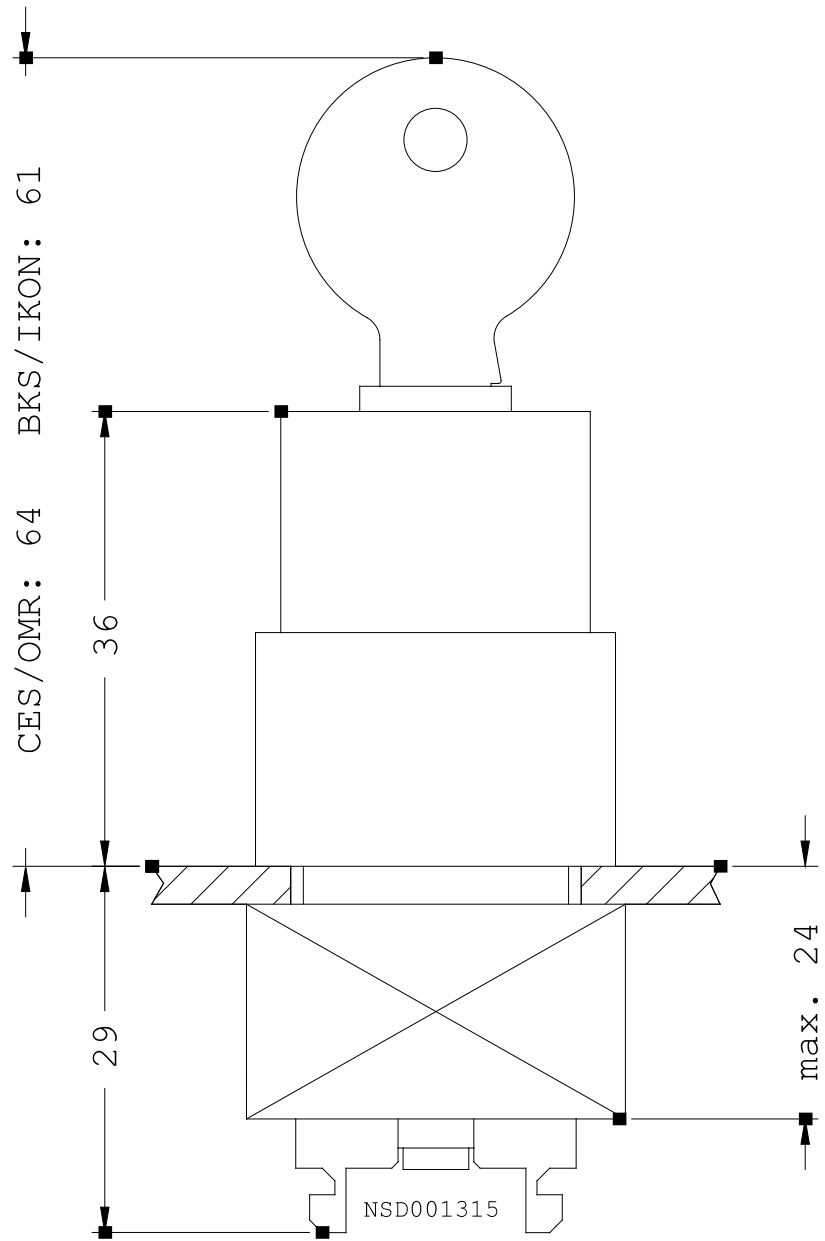
<http://www.siemens.com/cax>

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<http://support.automation.siemens.com/WWW/view/en/3SB3000-4MF21/all>

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3SB3000-4MF21](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SB3000-4MF21)



last change:

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