



key-operated switch CES, 22 mm, round, plastic, lock number SSG10, with 2 keys, 3 switch positions I>O<II, momentary contact on the left, latching on the right, actuating angle 2x45°, 10:30h/12h/13:30h, Key removal O+II

Product brand name	SIRIUS ACT
Product designation	Key-operated switches
Design of the product	Actuating/signaling element
Product type designation	3SU1

Actuator	
Manner of function of the actuating element	momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching
Product extension optional Light source	No
Color	
• of the actuating element	Silver
Material of the actuating element	metal
Shape of the actuating element	Key
Outer diameter of the actuating element	29.5 mm
Number of switching positions	3
Switch position for key distraction	O+II
Actuating angle	
• clockwise	45°
• anticlockwise	45°
Lock make	CES

Key number	SSG10
Front ring	
Product component front ring	Yes
Design of the front ring	Standard
Material of the front ring	plastic
Color of the front ring	black
General technical data	
Protection class IP	IP66, IP67, IP69(IP69K)
• of the terminal	IP20
Degree of protection NEMA rating	NEMA 1, 2, 3, 3R, 4, 4X, 12, 13
Shock resistance	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50 g / 11 ms
• for railway applications acc. to DIN EN 61373	Category 1, Class B
Operating frequency maximum	1 800 1/h
Mechanical service life (switching cycles)	
• typical	1 000 000
Reference code acc. to DIN EN 81346-2	S
Reference code acc. to DIN EN 61346-2	S
Safety related data	
B10 value	
• with high demand rate acc. to SN 31920	300 000
Proportion of dangerous failures	
• with low demand rate acc. to SN 31920	20 %
• with high demand rate acc. to SN 31920	20 %
Failure rate [FIT]	
• with low demand rate acc. to SN 31920	100 FIT
T1 value for proof test interval or service life acc. to IEC 61508	20 y
Ambient conditions	
Ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +80 °C
Environmental category during operation acc. to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95 %)
Installation/ mounting/ dimensions	
Height	29.5 mm
Width	29.5 mm
Shape of the installation opening	round
Mounting diameter	22.3 mm
Positive tolerance of installation diameter	0.4 mm
Mounting height	61 mm

Installation width	29.5 mm
Installation depth	25.4 mm

Certificates/approvals

General Product Approval			Declaration of Conformity	Test Certificates
 CSA	 UL		 EG-Konf.	Miscellaneous Special Test Certificate

Test Certificates	Marine / Shipping				
Type Test Certificates/Test Report	 ABS	 LRS	 PRS	 RINA	 RMRS

Marine / Shipping	other
 DNV-GL DNVGL.COM/AF	Confirmation

Further information

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1000-5BP61-0AA0>

Cax online generator

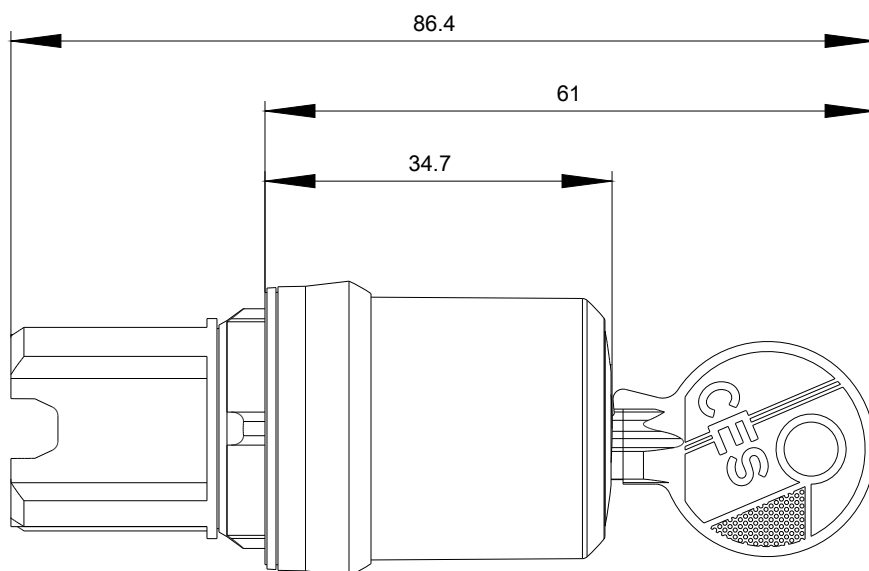
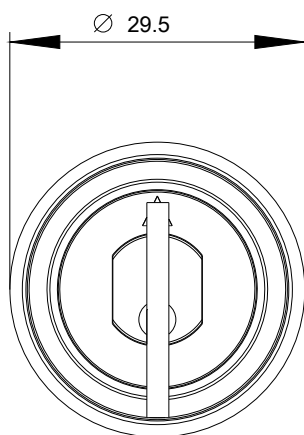
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-5BP61-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-5BP61-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-5BP61-0AA0&lang=en



last modified:

02/21/2019