



key-operated switch Siemens, 22 mm, round, plastic with metal front ring, lock number SSG10, with 2 keys, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/13:30h, key removal O+I

product brand name	SIRIUS ACT
product designation	Key-operated switches
design of the product	Actuating/signaling element
product type designation	3SU1
product line	Plastic with metal front ring, matt, 22 mm
manufacturer's article number of included key	<a href="#">3SU1950-0FP80-0AA0</a>

### Actuator

principle of operation of the actuating element	latching, 90° (10:30 h/13:30 h)
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	2
switch position for key distraction	O+I
actuating angle	
• clockwise	90°
lock make	Siemens
key number	SSG10

### Front ring

product component front ring	Yes
design of the front ring	Standard
material of the front ring	Metal, matt
color of the front ring	sand gray

### General technical data

protection class IP	IP66, IP67, IP69(IP69K)
• of the terminal	IP20
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
• for railway applications according to EN 61373	Category 1, Class B
vibration resistance	
• according to IEC 60068-2-6	10 ... 500 Hz: 5g
• for railway applications according to EN 61373	Category 1, Class B
operating frequency maximum	1 800 1/h
mechanical service life (operating cycles) typical	1 000 000
reference code according to IEC 81346-2	S
Substance Prohibitance (Date)	10/01/2014

### Safety related data

B10 value with high demand rate according to SN 31920	100 000
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<b>proportion of dangerous failures</b>	
• with low demand rate according to SN 31920	20 %
• with high demand rate according to SN 31920	20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT

#### Ambient conditions

<b>ambient temperature</b>	
• during operation	-25 ... +70 °C
• during storage	-40 ... +80 °C
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%)

#### Installation/ mounting/ dimensions

<b>height</b>	29.5 mm
<b>width</b>	29.5 mm
<b>shape of the installation opening</b>	round
<b>mounting diameter</b>	22.3 mm
<b>positive tolerance of installation diameter</b>	0.4 mm
<b>mounting height</b>	61 mm
<b>installation width</b>	29.5 mm
<b>installation depth</b>	25.4 mm

#### Certificates/ approvals


<b>General Product Approval</b>	<b>Declaration of Conformity</b>
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[Confirmation](#)



#### Test Certificates

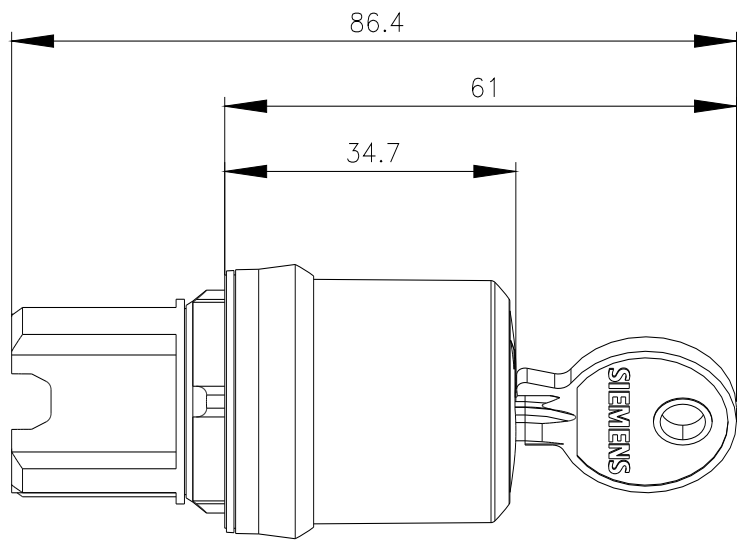
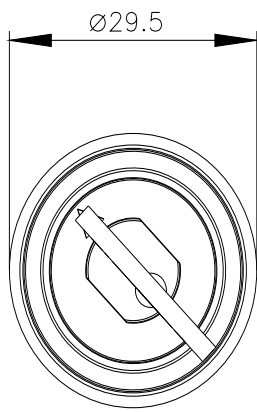
<a href="#">Type Test Certificates/Test Report</a>	<a href="#">Special Test Certificate</a>				
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#### Marine / Shipping

	<a href="#">Confirmation</a>
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#### Further information

<b>Information on the packaging</b> <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a> <b>Information- and Downloadcenter (Catalogs, Brochures,...)</b> <a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a> <b>Industry Mall (Online ordering system)</b> <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1030-5BF11-0AA0">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1030-5BF11-0AA0</a> <b>Cax online generator</b> <a href="http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1030-5BF11-0AA0">http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SU1030-5BF11-0AA0</a> <b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b> <a href="https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5BF11-0AA0">https://support.industry.siemens.com/cs/ww/en/ps/3SU1030-5BF11-0AA0</a> <b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)</b> <a href="http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1030-5BF11-0AA0&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1030-5BF11-0AA0&amp;lang=en</a>
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