



RONIS key-operated switch, 22 mm, round, plastic, lock number SB30, with 2 keys, 2 switch positions O-I, latching, 10:30h/13:30h, key removal O+I, with holder, 1 NO+1 NC, screw terminal, possible special locks: SB31, 421, 455, with laser labeling, lower case

<b>product brand name</b>	SIRIUS ACT
<b>product designation</b>	Key-operated switches
<b>design of the product</b>	Complete unit
<b>product type designation</b>	3SU1
<b>product line</b>	Plastic, black, 22 mm
<b>manufacturer's article number</b>	
• of included key	3SU1950-0FB80-0AA0
• of supplied contact module	3SU1400-1AA10-1FA0
• of supplied contact module at position 1	3SU1400-1AA10-1FA0
• of the supplied holder	3SU1500-0AA10-0AA0
• of the supplied actuator	3SU1000-4BF11-0AA0
<b>Enclosure</b>	
<b>shape of the enclosure front</b>	round
<b>number of command points</b>	1
<b>Actuator</b>	
<b>principle of operation of the actuating element</b>	latching, 90° (10:30 h/13:30 h)
<b>product extension optional light source</b>	No
<b>color of the actuating element</b>	silver
<b>material of the actuating element</b>	metal
<b>shape of the actuating element</b>	Key
<b>outer diameter of the actuating element</b>	29.5 mm
<b>marking of the actuating element</b>	Any inscription, text in lower case
<b>number of contact modules</b>	1
<b>number of switching positions</b>	2
<b>switch position for key distraction</b>	O+I
<b>actuating angle</b>	
• clockwise	90°
<b>lock make</b>	RONIS
<b>key number</b>	SB30
<b>Front ring</b>	
<b>product component front ring</b>	Yes
<b>design of the front ring</b>	Standard
<b>material of the front ring</b>	plastic
<b>color of the front ring</b>	black
<b>Holder</b>	
<b>material of the holder</b>	Plastic
<b>General technical data</b>	

product function positive opening	Yes
product component light source	No
insulation voltage rated value	500 V
<b>degree of pollution</b>	3
type of voltage of the operating voltage	AC/DC
<b>surge voltage resistance rated value</b>	6 kV
<b>protection class IP</b>	IP66, IP67, IP69(IP69K)
• of the terminal	IP20, clamping screw tightened
<b>degree of protection NEMA rating</b>	1, 2, 3, 3R, 4, 4X, 12, 13
<b>shock resistance</b>	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50g / 11 ms
• for railway applications acc. to DIN EN 61373	Category 1, Class B
<b>vibration resistance</b>	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
• for railway applications acc. to DIN EN 61373	Category 1, Class B
<b>operating frequency maximum</b>	1 800 1/h
mechanical service life (switching cycles) typical	1 000 000
electrical endurance (switching cycles) typical	10 000 000
<b>thermal current</b>	10 A
<b>reference code acc. to IEC 81346-2</b>	S
<b>continuous current of the C characteristic MCB</b>	10 A; for a short-circuit current smaller than 400 A
<b>continuous current of the quick DIAZED fuse link</b>	10 A
<b>continuous current of the DIAZED fuse link gG</b>	10 A
<b>operating voltage</b>	
• at AC	
— at 50 Hz rated value	5 ... 500 V
— at 60 Hz rated value	5 ... 500 V
• at DC rated value	5 ... 500 V
<b>Power Electronics</b>	
<b>contact reliability</b>	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)
<b>Auxiliary circuit</b>	
<b>design of the contact of auxiliary contacts</b>	Silver alloy
<b>number of NC contacts for auxiliary contacts</b>	1
<b>number of NO contacts for auxiliary contacts</b>	1
<b>Connections/ Terminals</b>	
<b>type of electrical connection</b>	
• of modules and accessories	Screw-type terminal
<b>type of connectable conductor cross-sections</b>	
• solid with core end processing	2x (0.5 ... 0.75 mm <sup>2</sup> )
• solid without core end processing	2x (1.0 ... 1.5 mm <sup>2</sup> )
• finely stranded with core end processing	2x (0.5 ... 1.5 mm <sup>2</sup> )
• finely stranded without core end processing	2x (1,0 ... 1,5 mm <sup>2</sup> )
• at AWG cables	2x (18 ... 14)
<b>tightening torque of the screws in the bracket</b>	1 ... 1.2 N·m
• tightening torque for auxiliary contacts with screw-type terminals	0.8 ... 0.9 N·m
<b>Ambient conditions</b>	
• ambient temperature during operation	-25 ... +70 °C
• ambient temperature 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 %, no condensation in operation permitted for all devices behind front panel)
<b>Installation/ mounting/ dimensions</b>	
<b>fastening method</b>	
• of modules and accessories	Front plate mounting
<b>height</b>	40 mm
<b>width</b>	30 mm
<b>shape of the installation opening</b>	round

mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	49.4 mm
installation width	29.5 mm
installation depth	71.7 mm

Certificates/ approvals

Further information

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

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1100-4BF11-1FA0-Z Y12>

Cax online generator

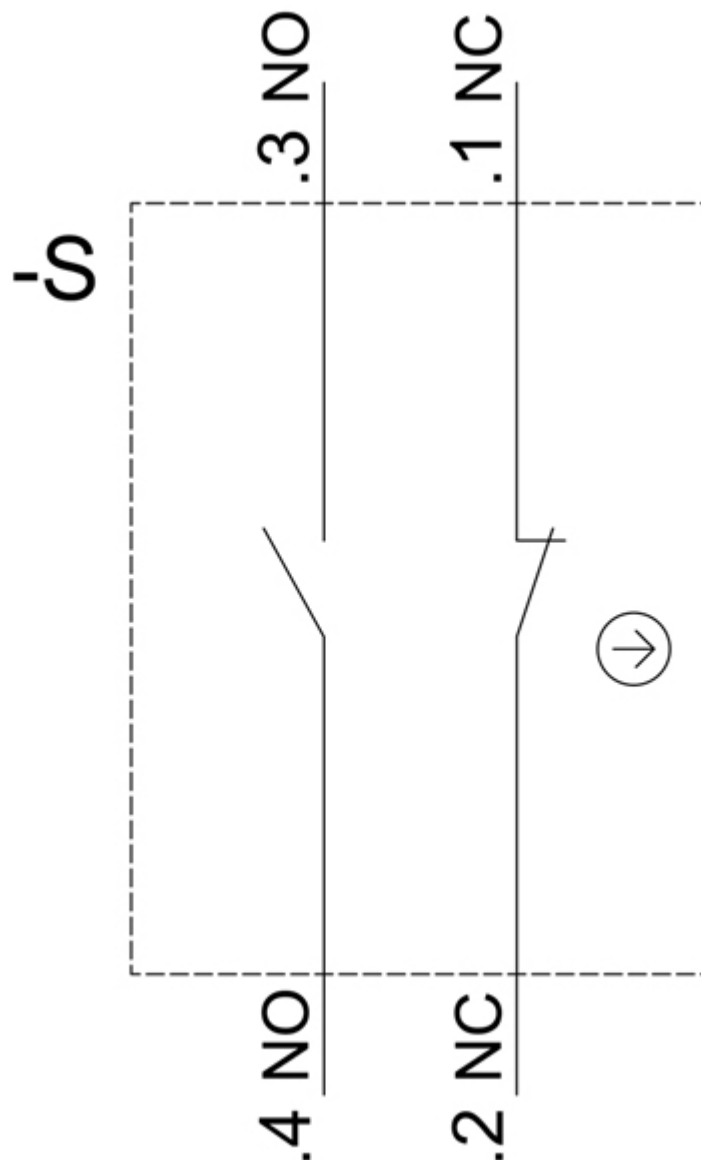
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-4BF11-1FA0-Z Y12>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-4BF11-1FA0-Z Y12>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1100-4BF11-1FA0-Z Y12&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-4BF11-1FA0-Z Y12&lang=en)



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