

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, screw terminal, possible special locks: SB31, 421, 455



product brand name	SIRIUS ACT
Product designation	Key-operated switches
Design of the product	Complete unit
Product type designation	3SU1
Product line	Plastic, black, 22 mm
Manufacturer's article number	
<ul style="list-style-type: none"> • of included key • of supplied contact module • 1 of supplied contact module • of the supplied holder • of the supplied actuator 	<ul style="list-style-type: none"> 3SU1950-0FB80-0AA0 3SU1400-1AA10-1BA0 3SU1400-1AA10-1BA0 3SU1500-0AA10-0AA0 3SU1000-4BF11-0AA0

Enclosure

Shape of the enclosure front	round
Number of command points	1

Actuator

Manner of function 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 contact modules	1
Number of switching positions	2
Switch position for key distraction	O+I
Actuating angle	
• clockwise	90°
Lock make	RONIS
Key number	SB30

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

Holder	
Material of the holder	Plastic

General technical data	
Product function	
• positive opening	No
Product component	
• Light source	No
• Insulation voltage rated value	500 V
Degree of pollution	3
Type of voltage	
• of the operating voltage	AC/DC
Surge voltage resistance rated value	6 kV
• Protection class IP	IP66, IP67, IP69(IP69K)
• Protection class IP of the terminal	IP20
Degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
Shock resistance	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50g / 11 ms
• for railway applications acc. to DIN EN 61373	Category 1, Class B
Vibration resistance	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
• 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
Electrical endurance (switching cycles)	

• typical	10 000 000
thermal current	10 A
Reference code acc. to DIN EN 81346-2	S
Continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
Continuous current of the quick DIAZED fuse link	10 A
Continuous current of the DIAZED fuse link gG	10 A
Operating voltage	
• 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

Power Electronics

Contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)
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Auxiliary circuit

Design of the contact of auxiliary contacts	Silver alloy
Number of NC contacts for auxiliary contacts	0
Number of NO contacts for auxiliary contacts	1

Connections/ Terminals

• Type of electrical connection of modules and accessories	Screw-type terminal
• Type of connectable conductor cross-sections solid with core end processing	2x (0.5 ... 0.75 mm ²)
• Type of connectable conductor cross-sections solid without core end processing	2x (1.0 ... 1.5 mm ²)
• Type of connectable conductor cross-sections finely stranded with core end processing	2x (0.5 ... 1.5 mm ²)
• Type of connectable conductor cross-sections finely stranded without core end processing	2x (1,0 ... 1,5 mm ²)
• Type of connectable conductor cross-sections at AWG conductors	2x (18 ... 14)
Tightening torque of the screws in the bracket	1 ... 1.2 N·m
Tightening torque	
• for auxiliary contacts with screw-type terminals	0.8 ... 0.9 N·m

Ambient conditions

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)
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Installation/ mounting/ dimensions


Mounting type	
• of modules and accessories	Front plate mounting

Height	40 mm
Width	30 mm
Shape of the installation opening	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	49.7 mm

Certificates/ approvals

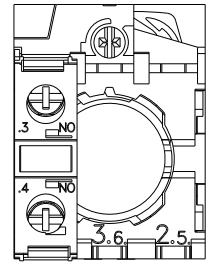
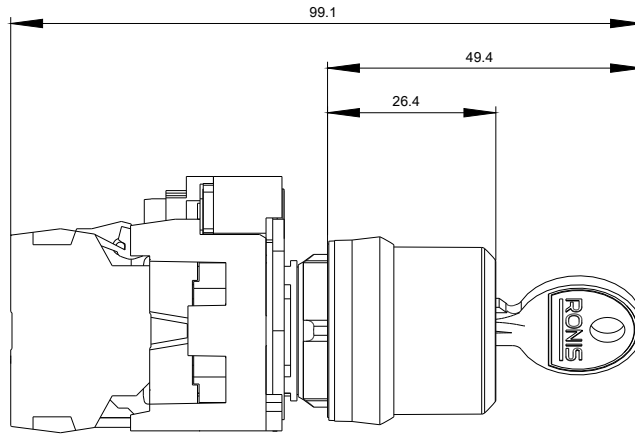
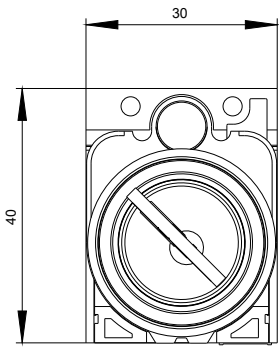
General Product Approval			Declaration of Conformity		
					Miscellaneous
CCC	CSA	UL		EG-Konf.	

Test Certificates		Marine / Shipping			
Special Test Certificate	Type Test Certificates/Test Report				
		ABS	LRS	PRS	RINA

Marine / Shipping	other
	Confirmation
RMRS	

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=3SU1100-4BF11-1BA0>
- Cax online generator**
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-4BF11-1BA0>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-4BF11-1BA0>
- Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-4BF11-1BA0&lang=en





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