SIEMENS

Data sheet

3SU1100-4BF11-1BA0



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	
 of included key 	<u>3SU1950-0FB80-0AA0</u>
 of supplied contact module 	<u>3SU1400-1AA10-1BA0</u>
 of supplied contact module at position 1 	<u>3SU1400-1AA10-1BA0</u>
 of the supplied holder 	<u>3SU1550-0AA10-0AA0</u>
 of the supplied actuator 	<u>3SU1000-4BF11-0AA0</u>
Enclosure	
shape of the enclosure front	round
number of command points	1
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	Кеу
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		
 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	
electrical endurance (operating cycles) typical	10 000 000	
thermal current	10 A	
reference code according to IEC 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	
Substance Prohibitance (Date)	10/01/2014	
Weight	84 g	
operating voltage	ut g	
rated value	5 500 V	
• at AC	5 500 V	
- at 50 Hz rated value	5 500 V	
	5 500 V	
— at 60 Hz rated value		
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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contact reliability Auxiliary circuit	(5 V, 1 mÅ)	
contact reliability Auxiliary circuit design of the contact of auxiliary contacts	(5 V, 1 mÅ) Silver alloy	
contact reliability Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts	(5 V, 1 mÅ) Silver alloy 0	
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contact reliability Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection • of modules and accessories type of connectable conductor cross-sections	(5 V, 1 mÅ) Silver alloy 0 1 Screw-type terminal	
contact reliability Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection • of modules and accessories type of connectable conductor cross-sections • solid with core end processing	(5 V, 1 mÅ) Silver alloy 0 1 Screw-type terminal 2x (0.5 0.75 mm ²)	
contact reliability Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection • of modules and accessories type of connectable conductor cross-sections • solid with core end processing • solid without core end processing	(5 V, 1 mÅ) Silver alloy 0 1 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²)	
contact reliability Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection • of modules and accessories type of connectable conductor cross-sections • solid with core end processing • solid without core end processing • finely stranded with core end processing	(5 V, 1 mÅ) Silver alloy 0 1 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²)	
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contact reliability Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts connections/ Terminals type of electrical connection • of modules and accessories type of connectable conductor cross-sections • solid with core end processing • finely stranded with core end processing • finely stranded without core end processing • for AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC	(5 V, 1 mÅ) Silver alloy 0 1 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (1.0 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0	
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contact reliability Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts connections/ Terminals type of electrical connection • of modules and accessories type of connectable conductor cross-sections • solid with core end processing • solid with core end processing • finely stranded with core end processing • finely stranded with core end processing • for AWG cables tightening torque of the screws in the bracket tightening torque of auxiliary contacts with screw-type terminals Ambient conditions ambient temperature • during operation • during storage environmental category during operation according to IEC 60721 Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing	(5 V, 1 mÅ) Silver alloy 0 1 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (1.0 1.5 mm²) 2x (1,0 1.5 mm²) 2x (1,0 1,5 m² 3 0.9 N·m 0.8 0.9 N·m 2x (1,0 +70 °C -40 +80 °C 3M	
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fastening method	
 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

General Product Approval

	CE EG-Konf.	<u>Confirmation</u>	UK CA	cULus	EHC
Test Certificates		other	Environment		
Special Test Certific- ate	Type Test Certific- ates/Test Report	<u>Confirmation</u>	EPD	Siemens EcoTech	Environmental Con- firmations

Further information

Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875

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

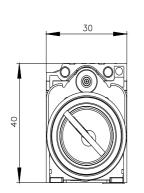
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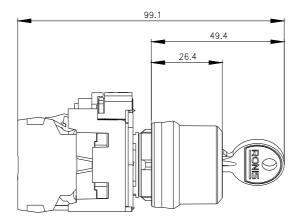
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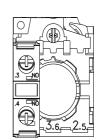
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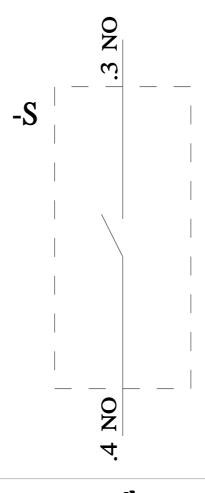
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-4BF11-1BA0

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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