SIEMENS

Data sheet



RONIS key-operated switch, 22 mm, round, plastic, lock number SB30, with 2 keys, 3 switch positions I-O-II, latching, 10:30h/12h/13:30h, Key removal I+O+II, with holder, 1 NO, 1 NO, screw terminal, possible special locks: SB31, 421, 455, with laser labeling, lower case

product type designation design of the product product type designation product type designation 3SU1 product type designation 3SU1 product type designation 3SU1 product type designation product type designation anufacturer's article number of included key 3SU1950-0FB80-0AA0 3SU1400-1AA10-1BA0, 3SU1400-1AA10-1BA0 3SU1400-1AA10-1BA0, 3SU1400-1AA10-1BA0 3SU1400-1AA10-1BA0 3SU1400-1AA10-1BA0 3SU1550-0AA10-0AA0 of the supplied contact module at position 2 3SU1400-1AA10-1BA0 3SU1400-1AA1	product brand name	SIRIUS ACT
product type designation product line Plastic, black, 22 mm manufacturer's article number of included key 3SU1950-0FB80-0AA0 of supplied contact module of supplied contact module at position 1 subject of the supplied contact module at position 2 of the supplied contact module at position 2 of the supplied actuator of the supplied actuator asu1400-1AA10-1BA0 subject ondact module at position 2 of the supplied actuator asu1400-1AA10-1BA0 subject ondact module at position 2 of the supplied actuator asu1400-1AA10-1BA0 subject ondact module at position 2 of the supplied actuator asu1400-1AA10-1BA0 subject ondact ondaction of the supplied actuator asu1400-1AA10-1BA0 subject ondaction asu1400-1AA10-1BA0 subject ondaction asu1400-1A	product designation	Key-operated switches
product line manufacturer's article number	design of the product	Complete unit
manufacturer's article number • of included key • of supplied contact module • of supplied contact module at position 1 • of supplied contact module at position 2 • of the supplied contact module at position 2 • of the supplied holder • of the supplied contact module at position 2 • of the supplied holder • of the supplied actuator SSU1400-1AA10-1BA0 3SU1400-1AA10-1BA0 3SU1400-1AA10-1BA0 3SU1500-0AA10-0AA0 • of the supplied actuator SSU1400-4BL11-0AA0 Enclosure shape of the enclosure front number of command points 1 Actuator principle of operation of the actuating element principle of operation of the actuating element silver material of the actuating element material of the actuating element shape of the actuating element shape of the actuating element which is actuating element Any inscription, text in lower case number of contact modules 2 number of switching positions 3 switch position for key distraction actuating angle • clockwise • anticlockwise • anticlockwise • anticlockwise • anticlockwise • anticlockwise • anticlockwise • anticlockwise design of the front ring material of the holder Plastic	product type designation	3SU1
of included key of supplied contact module of supplied contact module at position 1 of supplied contact module at position 2 of the supplied actuator of the supplied actuator substance of the supplied actuator Inclusive shape of the enclosure front number of command points fundamental points principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element shape of the actuating element shape of the actuating element wetal shape of the actuating element marking of the actuating element Any inscription, text in lower case number of contact modules 2 number of switching positions 3 switch position for key distraction l+O+II actuating angle clockwise clockwise shape of the front ring design of the front ring plastic color of the front ring plastic color of the front ring plastic color of the front ring black Holder material of the holder Plastic	product line	Plastic, black, 22 mm
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of supplied contact module at position 2 of the supplied holder of the supplied actuator sulfs60-0AA10-0AA0 sulfs60-0AA10-0AA0 sulfs60-0AA10-0AA0 sulfs60-0AA11-0AA0 Enclosure shape of the enclosure front number of command points 1 Actuator principle of operation of the actuating element principle of operation of the actuating element principle of operation of the actuating element principle of the actuating element silver material of the actuating element shape of the actuating element shape of the actuating element marking of the actuating element any inscription, text in lower case number of switching positions switch position for key distraction actuating angle clockwise anticlockwise sunder even and the actuating product component front ring design of the front ring product component front ring design of the front ring plastic Holder material of the holder Plastic	 of supplied contact module 	3SU1400-1AA10-1BA0, 3SU1400-1AA10-1BA0
of the supplied holder of the supplied actuator 3SU1550-0AA10-0AA0 of the supplied actuator Brocoure shape of the enclosure front number of command points Actuator principle of operation of the actuating element product extension optional light source nutriciple of the actuating element shape of the actuating element Any inscription, text in lower case number of contact modules 2 number of switching positions 3 switch position for key distraction actuating angle clockwise anticlockwise anticlockwise Asso Front ring product component front ring design of the front ring material of the front ring plastic color of the front ring black Holder material of the holder Plastic	 of supplied contact module at position 1 	3SU1400-1AA10-1BA0
of the supplied actuator shape of the enclosure front number of command points Actuator principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element shape of the actuating element wet diameter of the actuating element marking of the actuating element arriving of the actuating element Any inscription, text in lower case number of switching positions switch position for key distraction actuating angle elockwise enticlockwise Aso enticlockwise RONIS key number Sesso sesso design of the front ring material of the holder Plastic Holder material of the holder Plastic	 of supplied contact module at position 2 	3SU1400-1AA10-1BA0
Enclosure shape of the enclosure front number of command points Actuator principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element shape of the actuating element wouter diameter of the actuating element Any inscription, text in lower case number of contact modules 2 number of switching positions 3 switch position for key distraction actuating angle clockwise anticlockwise anticlockwise lock make Ronis key number Sesso Front ring product component front ring design of the front ring material of the holder Hodder material of the holder Plastic	 of the supplied holder 	3SU1550-0AA10-0AA0
shape of the enclosure front number of command points Actuator principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element shape of the actuating element shape of the actuating element shape of the actuating element Actuating element shape of the actuating element Actuation el	 of the supplied actuator 	3SU1000-4BL11-0AA0
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principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element shape of the actuating element warking of the actuating element marking of the actuating element marking of the actuating element Any inscription, text in lower case number of contact modules 1 switch position for key distraction actuating angle clockwise anticlockwise shape anticlockwise shape front ring product component front ring design of the front ring material of the holder Plastic Plastic	number of command points	1
product extension optional light source color of the actuating element material of the actuating element shape of the actuating element warking of the actuating element marking of the actuating element marking of the actuating element Any inscription, text in lower case number of contact modules 2 number of switching positions 3 switch position for key distraction actuating angle clockwise foliockwise Afor anticlockwise RONIS key number Front ring product component front ring design of the front ring material of the front ring black Holder material of the holder Plastic	Actuator	
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material of the actuating element shape of the actuating element cuter diameter of the actuating element marking of the actuating element marking of the actuating element Any inscription, text in lower case number of contact modules 2 number of switching positions 3 switch position for key distraction I+O+II actuating angle clockwise anticlockwise anticlockwise Front ring product component front ring design of the front ring material of the front ring black Holder material of the holder Plastic	product extension optional light source	No
shape of the actuating element outer diameter of the actuating element marking of the actuating element number of contact modules number of switching positions switch position for key distraction actuating angle oclockwise anticlockwise anticlockwise lock make key number Front ring product component front ring design of the front ring material of the holder Mey Any inscription, text in lower case 29.5 mm Any inscription, text in lower case 100ex in lower case 410ex in lower case 110ex in	color of the actuating element	silver
outer diameter of the actuating element 29.5 mm marking of the actuating element Any inscription, text in lower case number of contact modules 2 number of switching positions 3 switch position for key distraction I+O+II actuating angle clockwise anticlockwise 45° lock make RONIS key number SB30 Front ring product component front ring Yes design of the front ring Standard material of the front ring black Holder Plastic material of the holder Plastic	material of the actuating element	metal
marking of the actuating element number of contact modules 2 number of switching positions 3 switch position for key distraction actuating angle • clockwise • anticlockwise lock make key number Front ring product component front ring design of the front ring material of the holder Any inscription, text in lower case 2 Name of contact modules 2 1 Name of contact modules 3 Section 1 Name of contact modules 1 Name of contact modul	shape of the actuating element	Key
number of contact modules number of switching positions switch position for key distraction +O+	outer diameter of the actuating element	29.5 mm
number of switching positions switch position for key distraction l+O+II actuating angle clockwise anticlockwise anticlockwise RONIS key number Front ring product component front ring design of the front ring material of the front ring black Holder material of the holder Plastic	marking of the actuating element	Any inscription, text in lower case
switch position for key distraction actuating angle clockwise anticlockwise anticlockwise lock make RONIS key number SB30 Front ring product component front ring design of the front ring material of the front ring black Holder material of the holder Plastic	number of contact modules	2
actuating angle • clockwise • anticlockwise 15° • anticlockwise RONIS key number SB30 Front ring product component front ring design of the front ring material of the front ring black Holder material of the holder Plastic	number of switching positions	3
	switch position for key distraction	I+O+II
● anticlockwise 45° 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	actuating angle	
lock make key number SB30 Front ring product component front ring design of the front ring material of the front ring color of the front ring black Holder material of the holder Plastic	clockwise	45°
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	anticlockwise	45°
product component front ring product component front ring design of the front ring material of the front ring plastic color of the front ring black Holder material of the holder Plastic	lock make	RONIS
product component front ring design of the front ring material of the front ring color of the front ring black Holder material of the holder Plastic	key number	SB30
design of the front ring material of the front ring color of the front ring black Holder material of the holder Plastic	Front ring	
material of the front ring plastic color of the front ring black Holder material of the holder Plastic	product component front ring	Yes
color of the front ring black Holder material of the holder Plastic	design of the front ring	Standard
Holder Plastic		plastic
material of the holder Plastic	color of the front ring	black
	Holder	
General technical data	material of the holder	Plastic
	General technical data	

mande of free discount of the control of	Na
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)
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 (switching cycles) typical	1 000 000
electrical endurance (switching 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
	10/01/2014
Substance Prohibitance (Date)	10/01/2014
operating voltage	F 500 V
• rated value	5 500 V
• 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	
Power Electronics contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)
	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA) Silver alloy
contact reliability Auxiliary circuit	million (5 V, 1 mA)
Auxiliary circuit design of the contact of auxiliary contacts	million (5 V, 1 mA) Silver alloy
Auxiliary circuit design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts	million (5 V, 1 mA) Silver alloy 0
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	million (5 V, 1 mA) Silver alloy 0
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	million (5 V, 1 mA) Silver alloy 0 2
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	million (5 V, 1 mA) Silver alloy 0
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	Silver alloy 0 2 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	Silver alloy 0 2 Screw-type terminal 2x (0.5 0.75 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	Silver alloy 0 2 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 of solid without core end processing of finely stranded with core end processing	Silver alloy 0 2 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²)
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 of solid without core end processing of finely stranded with core end processing of finely stranded without core end processing	Silver alloy 0 2 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 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	Silver alloy 0 2 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1.0 1,5 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 inlely stranded without core end processing at AWG cables tightening torque of the screws in the bracket	Silver alloy 0 2 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 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	Silver alloy 0 2 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1.0 1,5 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	Silver alloy 0 2 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 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 solid without core end processing inely stranded with core end processing inely stranded without core end processing at AWG cables tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals Ambient conditions	Silver alloy 0 2 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 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 inlely stranded with core end processing inlely stranded without core end processing at 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	Silver alloy 0 2 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 0x (1,0 1,5 mm²) 0x (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	Silver alloy 0 2 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 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 finely stranded with core end processing finely stranded without core end processing at 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 60721	Silver alloy 0 2 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0
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	Silver alloy 0 2 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0
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 finely stranded without core end processing at 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 60721 Installation/ mounting/ dimensions fastening method	Silver alloy 0 2 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 0x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)
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	Silver alloy Silver alloy Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) Front plate mounting
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 finely stranded without core end processing at 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 60721 Installation/ mounting/ dimensions fastening method	Silver alloy 0 2 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 0x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 0.9 N·m -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)

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	
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=3SU1100-4BL11-1NA0-Z Y12

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-4BL11-1NA0-Z Y12

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-4BL11-1NA0-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=3SU1100-4BL11-1NA0-Z Y12&lang=en

last modified: 1/27/2022 🖸