SIEMENS

Data sheet



RONIS key-operated switch, 22 mm, round, metal, shiny, lock number SB30, with 2 keys, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/13:30h, key removal O+I, with holder, 1 NO+1 NC, screw terminal, possible special locks: SB31, 421, 455, upper case

product designation design of the product Complete unit product type designation product type designation 3SU1 product type designation Metal, shiny, 22 mm manufacturer's article number • of included key • of supplied contact module • of supplied contact module at position 1 • of the supplied contact module at position 1 • of the supplied contact module at position 1 • of the supplied actuator • of the supplied actuator Includer	product brand name	SIRIUS ACT
product type designation product line Metal, shiny, 22 mm manufacturer's article number • of included key 3SU1950-0FB80-0AA0 • of supplied contact module • of supplied contact module at position 1 • of the supplied holder • of the supplied actuator * of the supplied of the actuating element number of command points * 1 * Actuator * principle of operation of the actuating element product extension optional light source No color of the actuating element silver material of the actuating element metal shape of the actuating element Any inscription, text in upper case number of contact modules 1 number of switching positions 2 switch position for key distraction 2 olockwise * over actuating angle * clockwise * over actuating angle * clockwise * over actuating product component front ring design of the front ring Metal, high gloss color of the front ring Metal, high gloss color of the front ring Metal, high gloss color of the front ring material of the holder Metal * Metal * General technical data	product designation	Key-operated switches
product line manufacturer's article number • of included key • of supplied contact module • of supplied contact module at position 1 • of the supplied holder • of the supplied holder • of the supplied actuator SSU1050-0AA10-0AA0 • of the supplied actuator 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 where it is in the actuating element marking of the actuating element Any inscription, text in upper case number of contact modules 1 number of contact modules 1 number of switching positions 2 switch position for key distraction Coth make Ronnis Rey number SB30 Front ring product component front ring design of the front ring Metal, high gloss color of the front ring Metal to holder material of the holder Metal M	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 the supplied contact module at position 1 • of the supplied contact module at position 1 • of the supplied actuator SSU1550-0AA10-0AA0 • of the supplied actuator SSU1550-0AA10-0AA0 • of the supplied actuator Inclosure shape of the enclosure front number of command points 1 Actuator principle of operation of the actuating element product extension optional light source color of the actuating element material of the actuating element silver material of the actuating element material of the actuating element marking of the actuating element marking of the actuating element Any inscription, text in upper case number of contact modules 1 number of switching positions 2 switch position for key distraction actuating angle • clockwise ock make RONIS key number Front ring product component front ring design of the front ring Metal, high gloss color of the front ring material of the holder Metal Metal Metal Metal Metal Metal Metal Metal General technical data	product type designation	3SU1
of included key of supplied contact module of supplied contact module at position 1 of the supplied holder of the supplied holder of the supplied actuator of the supplied actuator of the supplied actuator Inclosure shape of the enclosure front number of command points 1 Actuator principle of operation of the actuating element product extension optional light source color of the actuating element shape of the actuating element silver material of the actuating element shape of the actuating element Any inscription, text in upper case number of contact modules number of switching positions 2 switch position for key distraction actuating angle e clockwise lock make key number SB30 Front ring product component front ring design of the front ring Metal, high gloss color of the front ring Metal, high gloss color of the holder Metal General technical data	product line	Metal, shiny, 22 mm
of supplied contact module of supplied contact module at position 1 of the supplied holder of the supplied holder of the supplied actuator of the supplied actuator sulfactor shape of the enclosure front number of command points Actuator principle of operation of the actuating element	manufacturer's article number	
of supplied contact module at position 1 of the supplied holder of the supplied actuator shape of the enclosure front number of command points 1 Actuator principle of operation of the actuating element product extension optional light source color of the actuating element shape of the actuating element shape of the actuating element material of the actuating element shape of the actuating element arking of the actuating element marking of the actuating element anumber of contact modules number of switching positions 2 switch position for key distraction actuating angle clockwise lock make RONIS key number Front ring product component front ring design of the front ring material of the holder Metal General technical data	 of included key 	3SU1950-0FB80-0AA0
of the supplied holder of the supplied actuator inclosure 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 shape of the actuating element sliver material of the actuating element shape of the actuating element anarchia, of the actuating element number of contact modules 1 number of switching positions 2 switch position for key distraction actuating angle clockwise lock make RONIS key number Front ring product component front ring design of the front ring material of the holder Metal General technical data	 of supplied contact module 	3SU1400-1AA10-1FA0
• of the supplied actuator 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 shape of the actuating element shape of the actuating element wetal shape of the actuating element shape of the actuating element Any inscription, text in upper case number of contact modules number of switching positions switch position for key distraction actuating angle clockwise olockwise Pront ring product component front ring design of the front ring material of the front ring material of the holder Metal General technical data	 of supplied contact module at position 1 	3SU1400-1AA10-1FA0
Shape of the enclosure front number of command points 1 Actuator principle of operation of the actuating element product extension optional light source No color of the actuating element silver material of the actuating element Key outer diameter of the actuating element Any inscription, text in upper case number of switching positions 2 switch position for key distraction O+I actuating angle • clockwise 90° lock make RONIS key number Front ring Yes design of the front ring Metal, high gloss color of the front ring silver material of the holder Metal General technical data	 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 silver material of the actuating element shape of the actuating element shape of the actuating element shape of the actuating element Any inscription, text in upper case number of contact modules 1 number of switching positions 2 switch position for key distraction actuating angle olockwise lock make key number SB30 Front ring product component front ring design of the front ring Metal, high gloss color of the front ring Metal Holder material of the holder Metal General technical data	 of the supplied actuator 	3SU1050-4BF11-0AA0
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 warking of the actuating element marking of the actuating element Any inscription, text in upper case number of contact modules number of switching positions switch position for key distraction actuating angle clockwise lock make RONIS key number SB30 Front ring product component front ring design of the front ring material of the front ring material of the front ring Metal, high gloss color of the front ring Metal General technical data	Enclosure	
Actuator principle of operation of the actuating element 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 Any inscription, text in upper case number of contact modules 1 number of switching positions 2 switch position for key distraction O+I actuating angle clock wise 90° lock make RONIS key number SB30 Front ring Product component front ring Standard material of the front ring silver Metal Ceneral technical data General technical data	shape of the enclosure front	round
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 Any inscription, text in upper case 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 Standard material of the front ring Metal, high gloss color of the front ring silver Holder material of the holder Metal General technical data	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 number of contact modules number of switching positions 2 switch position for key distraction actuating angle clockwise 90° lock make RONIS key number SB30 Front ring product component front ring design of the front ring material of the front ring material of the holder material of the holder Metal General technical data	Actuator	
color of the actuating element material of the actuating element shape of the actuating element well shape of the actuating element cuter diameter of the actuating element marking of the actuating element marking of the actuating element number of contact modules number of switching positions 2 switch position for key distraction actuating angle oclockwise lock make RONIS key number SB30 Front ring product component front ring design of the front ring material of the front ring material of the holder Metal General technical data	principle of operation of the actuating element	latching, 90° (10:30 h/13:30 h)
material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element marking of the actuating element number of contact modules number of switching positions 2 switch position for key distraction actuating angle oclockwise lock make key number sba30 Front ring product component front ring design of the front ring material of the front ring material of the holder Metal General technical data	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 2 switch position for key distraction actuating angle oclockwise lock make RONIS key number SB30 Front ring product component front ring design of the front ring material of the front ring Metal, high gloss color of the front ring material of the holder Metal General technical data	color of the actuating element	silver
outer diameter of the actuating element marking of the actuating element number of contact modules 1 number of switching positions 2 switch position for key distraction actuating angle • clockwise lock make key number Front ring product component front ring design of the front ring material of the front ring material of the holder Metal General technical data	material of the actuating element	metal
marking of the actuating element number of contact modules 1 number of switching positions 2 switch position for key distraction actuating angle ● clockwise lock make key number Front ring product component front ring design of the front ring material of the front ring Holder material of the holder Metal General technical data	shape of the actuating element	Key
number of contact modules number of switching positions switch position for key distraction actuating angle clockwise po° lock make RONIS key number SB30 Front ring product component front ring design of the front ring material of the front ring Metal, high gloss color of the front ring Metal General technical data	outer diameter of the actuating element	29.5 mm
number of switching positions switch position for key distraction actuating angle ● clockwise 90° lock make RONIS key number SB30 Front ring product component front ring design of the front ring material of the front ring Holder material of the holder Metal General technical data	marking of the actuating element	Any inscription, text in upper case
switch position for key distraction actuating angle • clockwise lock make RONIS key number SB30 Front ring product component front ring design of the front ring material of the front ring Metal, high gloss color of the front ring material of the holder Metal General technical data	number of contact modules	1
actuating angle	number of switching positions	2
	switch position for key distraction	O+I
lock make key number SB30 Front ring product component front ring design of the front ring material of the front ring Metal, high gloss color of the front ring Holder material of the holder Metal General technical data	actuating angle	
key number Front ring product component front ring	clockwise	90°
Front ring product component front ring design of the front ring material of the front ring Color of the front ring Holder material of the holder Metal Metal Metal Metal Metal Metal Metal Metal	lock make	RONIS
product component front ring design of the front ring material of the front ring Color of the front ring Holder material of the holder Metal Metal Metal Metal Metal	key number	SB30
design of the front ring material of the front ring Color of the front ring Holder material of the holder Metal Metal Metal Metal Metal	Front ring	
material of the front ring color of the front ring Holder material of the holder Metal Metal Metal General technical data	product component front ring	Yes
color of the front ring Holder material of the holder General technical data	design of the front ring	Standard
Holder material of the holder General technical data Metal	material of the front ring	Metal, high gloss
material of the holder General technical data Metal	color of the front ring	silver
General technical data	Holder	
	material of the holder	Metal
product function positive opening Yes	General technical data	
	product function positive opening	Yes
product component light source No	product component light source	No

insulation voltage rated value	500 V
insulation voltage rated value	3
degree of pollution	AC/DC
type of voltage of the operating voltage surge voltage resistance rated value	6 kV
protection class IP	IP66, IP67, IP69(IP69K)
of the terminal	IP20, clamping screw tightened
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	1, 2, 0, 011, 1, 171, 12, 10
according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
vibration resistance	S
according to IEC 60068-2-6	10 500 Hz: 5g
operating frequency maximum	1 800 1/h
mechanical service life (switching cycles) typical	300 000
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
Substance Prohibitance (Date)	10/01/2014
operating voltage	
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	
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10
	million (5 V, 1 mA)
Auxiliary circuit	
design of the contact of auxiliary contacts	Silver alloy
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts	1
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts	
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals	1
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	1
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	1
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	1 1 Screw-type terminal
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	1 1 Screw-type terminal 2x (0.5 0.75 mm²)
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	1 1 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²)
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	1 1 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²)
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	1 1 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)
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	1 1 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)
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	1 1 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)
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	1 1 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)
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	1 1 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)
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	1 1 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)
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	1 1 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)
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	1 1 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 (18 14) 1 1.2 N·m 0.8 0.9 N·m
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	1 1 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 (18 14) 1 1.2 N·m 0.8 0.9 N·m
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	1 1 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 (18 14) 1 1.2 N·m 0.8 0.9 N·m
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	1 1 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
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	1 1 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 (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
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	1 1 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 (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
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	1 1 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 (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)
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	1 1 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 (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
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	1 1 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 (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 40 mm 30 mm round
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	1 1 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 (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 40 mm 30 mm round 22.3 mm
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	1 1 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 (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 40 mm 30 mm round

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 Cax online generator http://support.automation.siemens.com/WW/CAXorder/defaul Service&Support (Manuals, Certificates, Characteristics, https://support.industry.siemens.com/cs/ww/en/ps/3SU1150-4	?mlfb=3SU1150-4BF11-1FA0-Z Y11 lt.aspx?lang=en&mlfb=3SU1150-4BF11-1FA0-Z Y11 FAQs,)	
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