SIEMENS

Data sheet

3SU1100-7BB10-1NA0





Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, vertical latching, with mechanical interlocking, in O position, with holder, 1 NO, 1 NO, screw terminal,



product type designation design of the product product type designation product line manufacturer's article number e of supplied contact module at position 2 e of supplied contact module at position 4 sult400-1AA10-1BA0 e of the supplied holder e of the supplied actuator sult400-1AA10-1BA0 su	p	
product type designation product line Plastic, black, 22 mm manufacturer's article number of supplied contact module at position 2 of supplied contact module at position 4 of the supplied contact module at position 4 of the supplied holder of the supplied actuator SSU1400-1AA10-1BA0 sSU1400-1AA10-1BA0 of the supplied actuator SSU1400-1AA10-BA0 of the supplied actuator SSU1400-7BB10-0AA0 Enclosure shape of the enclosure front Actuator design of the actuating element principle of operation of the actuating element direction of actuation vertical direction of actuation product extension optional light source No color of the actuating element black material of the actuating element shape of the actuating element plastic shape of the actuating element subter diameter of the actuating element puber of contact modules 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [*] product component front ring design of the front ring black holder material of the front ring black holder material of the front ring plastic color of the front ring black holder material of the holder Plastic Ceneral technical data product function positive opening insulation voltage rated value degree of pollution 3 SU1400-1AA10-1BA0 3SU1400-1AA10-1BA0 3S	product designation	Coordinate switches
product line Plastic, black, 22 mm manufacturer's article number of supplied contact module at position 2 of supplied contact module at position 4 of the supplied contact module at position 4 of the supplied contact module at position 4 of the supplied holder of the supplied actuator subject the supplied actuator Enclosure shape of the enclosure front round Actuator design of the actuating element with mechanical interlocking principle of operation of the actuating element latching direction of actuation vertical product extension optional light source No color of the actuating element plastic shape of the contact modules 2 type of unlocking device push-to-unlatch mechanism number of contact modules 2 type of unlocking fevice push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [*] 30° Front ring product component front ring plastic color of the front ring	design of the product	Complete unit
manufacturer's article number of supplied contact module at position 2 of supplied contact module at position 4 of the supplied notider of the supplied actuator Sul1400-1AA10-1BA0 of the supplied actuator Sul1600-7BB10-0AA0 in of the supplied actuator Enclosure shape of the enclosure front design of the actuating element principle of operation of the actuating element direction of actuation product extension optional light source color of the actuating element material of the actuating element plastic shape of the actuating element plastic outer diameter of the actuating element number of contact modules 2 type of unlocking device number of switching positions 2 Maximum deflection angle [*] Front ting product component front ring design of the front ring plastic color of the front ring plastic color of the front ring plastic plastic Plastic Ceneral technical data product function positive opening insulation votage rated value 500 V degree of pollution	product type designation	3SU1
of supplied contact module at position 2 of supplied contact module at position 4 of the supplied holder of the supplied holder of the supplied actuator of the supplied actuator sulfactor shape of the enclosure front Actuator design of the actuating element principle of operation of the actuating element direction of actuation product extension optional light source color of the actuating element plastic shape of the actuating element plastic shape of the actuating element subject of the actuating element subject of the actuating element push-to-unlatch mechanism number of contact modules 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [*] 30° Front ring product component front ring design of the front ring design of the front ring plastic color of the front ring plastic	product line	Plastic, black, 22 mm
of supplied contact module at position 4 of the supplied holder of the supplied actuator SSU1000-7RB10-0AA0 shape of the enclosure front round Actuator design of the actuating element principle of operation of the actuating element direction of actuation product extension optional light source shape of the actuating element black material of the actuating element shape of the actuating element black material of the actuating element shape of the actuating element black shape of the actuating element shape of the actuating element shape of the actuating element could discuss the actuating element shape of the actuating element shape of the actuating element shape of the actuating element sumber of contact modules 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [*] shape of the front ring product component front ring design of the front ring high material of the front ring black Holder material of the front ring plastic color of the front ring high material of the holder Plastic General technical data product function positive opening Insulation voltage rated value degree of pollution 3 SU1400-1AA10-1BA0 3SU1500-08BA10-0AA0 3SU1500-0AA0 3SU150	manufacturer's article number	
of the supplied holder of the supplied actuator Enclosure shape of the enclosure front Actuator design of the actuating element principle of operation of the actuating element direction of actuation product extension optional light source shape of the actuating element product campain actuating element shape of the actuating element product extension optional light source shape of the actuating element substance	 of supplied contact module at position 2 	<u>3SU1400-1AA10-1BA0</u>
• of the supplied actuator shape of the enclosure front Actuator design of the actuating element with mechanical interlocking principle of operation of the actuating element latching direction of actuation vertical product extension optional light source No color of the actuating element black material of the actuating element plastic shape of the actuating element plastic shape of the actuating element actuating element actuating element plastic shape of the actuating element actuation element actuat	 of supplied contact module at position 4 	<u>3SU1400-1AA10-1BA0</u>
Shape of the enclosure front round Actuator design of the actuating element with mechanical interlocking principle of operation of the actuating element latching direction of actuation vertical product extension optional light source No color of the actuating element black material of the actuating element plastic shape of the actuating element plastic shape of the actuating element actuating element actuating element plastic shape of the actuating element actuation element	 of the supplied holder 	3SU1550-0BA10-0AA0
shape of the enclosure front Actuator design of the actuating element latching principle of operation of the actuating element latching direction of actuation vertical product extension optional light source No color of the actuating element black material of the actuating element plastic shape of the actuating element extended handle outer diameter of the actuating element 30.5 mm number of contact modules 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [°] 30° Front ring product component front ring high 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 insulation voltage rated value 500 V degree of pollution	 of the supplied actuator 	3SU1000-7BB10-0AA0
design of the actuating element with mechanical interlocking principle of operation of the actuating element latching direction of actuation vertical vertical product extension optional light source No color of the actuating element black material of the actuating element plastic shape of the actuating element 30.5 mm number of contact modules 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2 maximum deflection angle [**] 30° Front ring product component front ring high material of the front ring plastic color of the front ring black holder product function positive opening No insulation voltage rated value 500 V degree of pollution 3	Enclosure	
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principle of operation of the actuating element direction of actuation product extension optional light source color of the actuating element material of the actuating element shape of the actuating element number of contact modules type of unlocking device number of switching positions Amaximum deflection angle [°] product component front ring product component front ring design of the front ring material of the front ring material of the holder General technical data product function positive opening insulation voltage rated value degree of pollution	Actuator	
direction of actuation product extension optional light source No color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element number of contact modules type of unlocking device number of switching positions Amazimum deflection angle [°] product component front ring product component front ring design of the front ring material of the front ring high material of the holder General technical data product function positive opening No insulation voltage rated value degree of pollution vertical No No plastic Soo V degree of pollution 3 vertical No No plastic Soo V degree of pollution vertical No No plastic Soo V degree of pollution	design of the actuating element	with mechanical interlocking
product extension optional light source color of the actuating element black material of the actuating element shape of the actuating element cuter diameter of the actuating element number of contact modules type of unlocking device number of switching positions 2 Maximum deflection angle [*] product component front ring design of the front ring material of the front ring material of the holder material of the holder material of the holder plastic General technical data product function positive opening insulation voltage rated value degree of pollution No insulation voltage rated value degree of pollution	principle of operation of the actuating element	latching
color of the actuating element plastic shape of the actuating element Extended handle outer diameter of the actuating element 30.5 mm number of contact modules 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [°] 30° Front ring product component front ring high 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 insulation voltage rated value 500 V degree of pollution 3	direction of actuation	vertical
material of the actuating element Extended handle outer diameter of the actuating element 30.5 mm number of contact modules 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [°] 30° Front ring product component front ring high 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 insulation voltage rated value 500 V degree of pollution 3	product extension optional light source	No
shape of the actuating element outer diameter of the actuating element number of contact modules 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [°] 30° Front ring product component front ring design of the front ring material of the front ring black Holder material of the holder Plastic General technical data product function positive opening insulation voltage rated value degree of pollution Extended handle 2 Stended handle 30.5 mm 30.5 mm push-to-unlatch mechanism push-to-unlatch mechan	color of the actuating element	black
outer diameter of the actuating element number of contact modules 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [°] 30° Front ring product component front ring design of the front ring material of the front ring black Holder material of the holder Plastic General technical data product function positive opening insulation voltage rated value degree of pollution 30.5 mm 30.5 mm 30.5 mm 40.5 mp	material of the actuating element	plastic
number of contact modules type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [°] 30° Front ring product component front ring design of the front ring material of the front ring color of the front ring material of the holder material of the holder Plastic General technical data product function positive opening insulation voltage rated value degree of pollution 2 push-to-unlatch mechanism yes 1 1 1 1 1 1 1 1 1 1 1 1 1	shape of the actuating element	Extended handle
type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [°] 30° Front ring product component front ring Yes design of the front ring high 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 insulation voltage rated value 500 V degree of pollution 3	outer diameter of the actuating element	30.5 mm
number of switching positions Maximum deflection angle [°] 30° Front ring product component front ring Yes design of the front ring high 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 insulation voltage rated value 500 V degree of pollution 3	number of contact modules	2
Maximum deflection angle [°] 30° Front ring product component front ring Yes design of the front ring high 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 insulation voltage rated value 500 V degree of pollution 3	type of unlocking device	push-to-unlatch mechanism
Front ring product component front ring design of the front ring high 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 insulation voltage rated value degree of pollution Yes Yes Yes Yes No Plastic Plastic No 3	number of switching positions	2
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 General technical data product function positive opening insulation voltage rated value degree of pollution Yes high Plastic Plastic No 3	Maximum deflection angle [°]	30°
design of the front ring 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 insulation voltage rated value degree of pollution high plastic plastic Plastic Solv No 3	Front ring	
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 insulation voltage rated value 500 V degree of pollution 3	product component front ring	Yes
color of the front ring black Holder material of the holder Plastic General technical data product function positive opening No insulation voltage rated value 500 V degree of pollution 3	design of the front ring	high
Holder material of the holder General technical data product function positive opening insulation voltage rated value degree of pollution Plastic No 500 V 3	material of the front ring	plastic
material of the holder General technical data product function positive opening insulation voltage rated value degree of pollution Plastic No 500 V 3	color of the front ring	black
General technical data product function positive opening No insulation voltage rated value 500 V degree of pollution 3	Holder	
product function positive opening insulation voltage rated value degree of pollution No 3	material of the holder	Plastic
insulation voltage rated value 500 V degree of pollution 3	General technical data	
degree of pollution 3	product function positive opening	No
	insulation voltage rated value	500 V
type of voltage of the operating voltage AC/DC	degree of pollution	3
	type of voltage of the operating voltage	AC/DC

SIRIUS ACT

surge voltage resistance rated value	6 kV
protection class IP	IP65, IP67
of the terminal	IP20
shock resistance	
according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
vibration resistance	
according to IEC 60068-2-6	10 500 Hz: 5g
operating frequency maximum	2 400 1/h
mechanical service life (operating cycles)	
as operating period per direction of actuation typical	100 000
electrical endurance (operating cycles) typical	10 000 000
electrical endurance (operating cycles) with contactors	10 000 000
3RT1015 to 3RT1026 typical	
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	
• 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
A 10 1 10	(5 V, 1 mA)
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	2
Connections/ Terminals	
type of electrical connection of modules and accessories	Screw-type terminal
type of connectable conductor cross-sections	0 (0.5
solid with core end processing	2x (0.5 0.75 mm²)
solid without core end processing	2x (1.0 1.5 mm²)
finely stranded with core end processing	2x (0.5 1.5 mm²)
finely stranded without core end processing	2x (1,0 1,5 mm²)
• for AWG cables	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 1 N·m
Safety related data	
proportion of dangerous failures	20.94
with low demand rate according to SN 31920 with high demand rate according to SN 31920	20 %
with high demand rate according to SN 31920 R40 value with high demand rate according to SN 31920	
B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN	100 000 100 FIT
31920	
Ambient conditions	
ambient temperature	
 during operation 	-25 +70 °C
during storage	-40 +80 °C
environmental category during operation according to IEC	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
60721	condensation in operation permitted for all devices behind front panel)
60721 Environmental footprint	condensation in operation permitted for all devices behind front panel)
	condensation in operation permitted for all devices behind front panel) Yes
Environmental footprint	
Environmental footprint Environmental Product Declaration(EPD)	Yes
Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total	Yes 0.787 kg
Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing	Yes 0.787 kg 0.566 kg

Installation/ mounting/ dimensions	
fastening method	front plate mounting
 of modules and accessories 	Front plate mounting
height	40 mm
width	40 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	75.6 mm
installation width	30.5 mm
installation depth	53.7 mm
Approvals Certificates	

General Product Approval





Confirmation







Test Certificates

Marine / Shipping

Type Test Certificates/Test Report

Special Test Certificate









other

Environment

Confirmation



Siemens EcoTech



Environmental Confirmations

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=3SU1100-7BB10-1NA0

Cax online generator

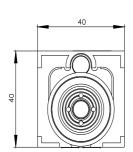
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7BB10-1NA0

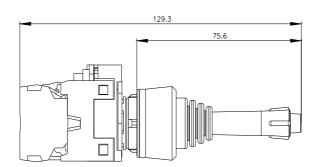
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

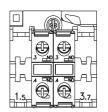
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7BB10-1NA0

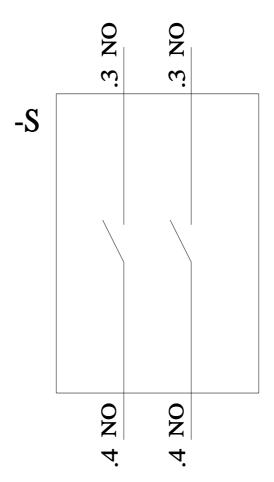
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-7BB10-1NA0&lang=en









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