3SU1130-7BC10-1NA0

Data sheet



Coordinate switch, 22 mm, round, plastic with metal front ring, black, 2 switch positions, horizontal, momentary contact type, with mechanical interlocking in O position, with holder, 1 NO, 1 NO, screw terminal

product type designation design of the product product type designation SSU1 Plastic with metal front ring, matt, 22 mm manufacturer's article number of supplied contact module at position 1 of supplied contact module at position 3 of the supplied doubtar module at position 3 of the supplied coloract module at position 3 of the supplied coloract module at position 3 SSU1400-1AA10-1BA0 of the supplied coloract module at position 3 SSU1500-BAA10-BA0 of the supplied coloract module at position 3 SSU1500-BAA10-BA0 of the supplied doubter shape of the enciosure front round Actuator design of the actuating element principle of operation of the actuating element momentary contact type direction of actuation product extension optional light source No color of the actuating element black material of the actuating element principle of operating element principle of operating element principle of operating element principle of operating element black shape of the actuating element plastic shape of the actuating element principle of operating element principle of the actuating element principle of operating order element principle of operating element principle of operating order element principle of operating order element principle of operating element principle of operating element principle of operating element pri	product brand name	SIRIUS ACT
product type designation product line Plastic with metal front ring, matt, 22 mm manufacturer's article number of supplied contact module at position 1 sult400-1AA10-1BA0 of the supplied contact module at position 3 sult400-1AA10-1BA0 of the supplied holder stable and substitution of the supplied holder of the supplied actuator shape of the enclosure front Actuator design of the actuating element principle of operation of the actuating element 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 plastic shape of the actuating element shape of the actuating element shape of the actuating element substituting element substitution substitution element substitution elemen	product designation	Coordinate switches
product line Plastic with metal front ring, matt, 22 mm manufacturer's article number of supplied contact module at position 3 38U1400-1AA10-1BA0 38U150-0BA10-0AA0 of the supplied holder of the supplied actuator shape of the enclosurer design of the actuating element momentary contact type direction of actuating element black material of the actuating element plastic shape of water actuating element plastic shape of the actuating element plastic shape of plastic material of the body plastic	design of the product	Complete unit
manufacturer's article number • of supplied contact module at position 1 • of supplied contact module at position 3 • of the supplied contact module at position 3 • of the supplied contact module at position 3 • of the supplied actuator * of the supplied actuator * of the supplied actuator * subject of the enclosure front * design of the enclosure front * design of the actuating element principle of operation of the actuating element principle of operation of the actuating element direction of actuation product extension optional light source color of the actuating element product extension optional light source shape of the actuating element black material of the actuating element cuter 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 [*] **geodesign of the front ring material of the front ring material of the front ring Metal, matt color of the front ring Metal, matt color of the front ring Metal, matt product function positive opening 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 6 KV protection class IP	product type designation	3SU1
of supplied contact module at position 1 of supplied contact module at position 3 of the supplied holder of the supplied holder of the supplied actuator shape of the enclosure front design of the actuating element with mechanical interlocking principle of operation of the actuating element momentary contact type direction of actuation horizontal interlocking principle of operation of the actuating element black material of the actuating element black material of the actuating element plastic outer diameter of the actuating element shape of the actuating element actuating element shape of the actuating element actuation act	product line	Plastic with metal front ring, matt, 22 mm
of supplied contact module at position 3 SU1400-1AA10-1BA0 of the supplied actuator 3SU1030-7BC10-0AA0 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 color of the actuating element black material of the actuating element pouter diameter of the actuating element actuating element black material of the actuating element shape of the actuating element plastic shape of the actuating element shape of the actuating element outer diameter of the actuating element number of switching positions 2 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 Metal, matt color of the front ring material of the holder Plastic General technical data product function positive opening insulation voltage rated value 6 kV protection class IP IROS (IPC) I	manufacturer's article number	
of the supplied holder of the supplied actuator SSU1030-7BC10-0AA0 supplied actuator shape of the enclosure front design of the actuating element principle of operation of the actuating element momentary contact type direction of actuation product extension optional light source color of the actuating element product extension optional light source No color of the actuating element plastic shape of the actuating element push to sund the actuating element author of actuating element sund the actuating element sund the actuating element author diameter of the actuating element	 of supplied contact module at position 1 	<u>3SU1400-1AA10-1BA0</u>
• of the supplied actuator Enclosure shape of the enclosure front Actuator design of the actuating element with mechanical interlocking principle of operation of the actuating element horizontal product extension optional light source No color of the actuating element black material of the actuating element plastic shape of the actuating element black shape of the actuating element plastic shape of the actuating element actuating element plastic shape of the actuating element actuation ele	 of supplied contact module at position 3 	<u>3SU1400-1AA10-1BA0</u>
shape of the enclosure front Actuator design of the actuating element with mechanical interlocking principle of operation of the actuating element momentary contact type direction of actuation horizontal 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 Yes design of the front ring Metal, matt color of the front ring Metal, matt color of the front ring sand gray Holder material of the holder Plastic Ceneral technical data product function positive opening No insulation voltage rated value 6 kV protection class IP IP65, IP67	 of the supplied holder 	<u>3SU1550-0BA10-0AA0</u>
shape of the enclosure front Actuator design of the actuating element with mechanical interlocking principle of operation of the actuating element momentary contact type direction of actuation horizontal 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 Yes design of the front ring high material of the front ring Metal, matt color of the holder Ceneral technical data product function positive opening 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 IP65, IP67	 of the supplied actuator 	3SU1030-7BC10-0AA0
Actuator design of the actuating element with mechanical interlocking principle of operation of the actuating element momentary contact type direction of actuation horizontal 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 Yes design of the front ring Metal, matt color of the front ring and gray Holder material of the holder Plastic General technical data product function positive opening No insulation voltage rated value 500 V surge voltage resistance rated value 6 kV protection class IP IP65, IP67	Enclosure	
design of the actuating element with mechanical interlocking principle of operation of the actuating element momentary contact type horizontal 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 yes design of the front ring high material of the front ring Metal, matt color of the front ring sand gray Holder plastic defence of the holder plastic degree of pollution 3 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV protection class IP IP65, IP67	shape of the enclosure front	round
principle of operation of the actuating element 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 cuter 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 [*] product component front ring design of the front ring material of the front ring material of the holder product function positive opening product function positive opening nesterial to the front suits of the porating voltage rated value for voltage of the operating voltage surge voltage resistance rated value for Voltage resistance rated value folior in the foot close is product on class IP protection class IP	Actuator	
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 black shape of the actuating element Extended handle 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 [*] product component front ring design of the front ring material of the holder Plastic General technical data product function positive opening insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value follow the color of task in the color of task in the protection class IP Insulation voltage resistance rated value follow for the foot rate of kV protection class IP Insulation voltage resistance rated value follow for the foot rate of the operating voltage follow the protection class IP Foot ring No Foot rate of the foot rate of the protection class IP Foot rate of the foot rate of the plastic for the foot rate of the protection class IP Foot rate of the foot rate of t	design of the actuating element	with mechanical interlocking
product extension optional light source color of the actuating element material of the actuating element shape of the actuating element outer diameter outer diameter outer diameter of the contact modules 2 type of unlocking device push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [*] Front ring product component front ring high material of the front ring whetal, matt color of the front ring whetal, matt color of the front ring sand gray Holder material of the holder Plastic General technical data product function positive opening No insulation voltage rated value 500 V degree of pollution type of voltage of the operating voltage surge voltage resistance rated value 6 kV protection class IP	principle of operation of the actuating element	momentary contact type
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 Yes design of the front ring high material of the front ring Metal, matt color of the front ring sand gray Holder material of the holder Plastic General technical data product function positive opening insulation voltage rated value for kV	direction of actuation	horizontal
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 Yes design of the front ring high material of the front ring Metal, matt color of the front ring sand gray Holder material of the holder Plastic General technical data product function positive opening insulation voltage rated value 6 kV protection class IP IP65, IP67	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 number of switching positions 2 Maximum deflection angle [°] product component front ring product component front ring high material of the front ring Metal, matt color of the front ring material of the holder product function positive opening product function positive opening insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value 6 kV protection class IP I P65, IP67	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 yes design of the front ring Metal, matt color of the front ring sand gray Holder material of the holder General technical data product function positive opening insulation voltage rated value 4 Gere of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value 6 kV protection class IP 180.5 mm 190.5 mm 2 100.5 mm 190.5 mm 2 100.5 mm 190.5 mm 1	material of the actuating element	plastic
number of contact modules type of unlocking device 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 Sand gray 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 voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV protection class IP I possible to-unlatch mechanism push-to-unlatch mechanism number of subst-to-unlatch mechanism push-to-unlatch mechanism number of subst-to-unlatch mechanism push-to-unlatch mechanism number of subst-to-unlatch mechanism number of subst-	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 Metal, matt color of the front ring sand gray Holder plastic General technical data product function positive opening 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 IP65, IP67	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 Metal, matt color of the front ring sand gray 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 voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV protection class IP IP65, IP67	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 Metal, matt color of the front ring sand gray 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 voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV protection class IP	type of unlocking device	push-to-unlatch mechanism
product component front ring product component front ring design of the front ring Metal, matt color of the front ring Sand gray Holder material of the holder Plastic General technical data product function positive opening insulation voltage rated value degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value Fost No Post	number of switching positions	2
product component front ring design of the front ring material of the front ring Metal, matt color of the front ring sand gray Holder material of the holder Plastic General technical data product function positive opening insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value for the surge voltage resistance rated value for the front ring Metal, matt plastic Plastic Son V Ac/DC Surge voltage resistance rated value for kV protection class IP	Maximum deflection angle [°]	30°
design of the front ring material of the front ring Metal, matt color of the front ring sand gray Holder material of the holder Plastic General technical data product function positive opening insulation voltage rated value degree of pollution surge voltage of the operating voltage surge voltage resistance rated value for kV protection class IP high Metal, matt Metal, matt Sand gray Plastic Plastic Son V Ac / DC Son V Ac / DC Surge voltage resistance rated value for kV protection class IP	Front ring	
material of the front ring color of the front ring sand gray Holder material of the holder Plastic General technical data product function positive opening insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value protection class IP Metal, matt Metal, matt Acida Metal, matt Acida Acida Acida Metal, matt Acida Acida Acida Acida Belle Ac	product component front ring	Yes
color of the front ring Holder material of the holder Plastic General technical data product function positive opening insulation voltage rated value degree of pollution type of voltage of the operating voltage surge voltage resistance rated value protection class IP sand gray No Plastic Soo V AC/DC Serric AC/DC	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 type of voltage of the operating voltage surge voltage resistance rated value for kV protection class IP Plastic No No AC/DC 6 kV Protection class IP	material of the front ring	Metal, matt
material of the holder General technical data product function positive opening insulation voltage rated value for of voltage of pollution type of voltage of the operating voltage surge voltage resistance rated value for kV protection class IP Plastic No No ACDC 6 kV	color of the front ring	sand gray
product function positive opening No insulation voltage rated value 500 V degree of pollution 3 type of voltage of the operating voltage surge voltage resistance rated value 6 kV protection class IP IP65, IP67	Holder	
product function positive opening 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 IP65, IP67	material of the holder	Plastic
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 IP65, IP67	General technical data	
degree of pollution type of voltage of the operating voltage surge voltage resistance rated value protection class IP AC/DC 6 kV IP65, IP67	product function positive opening	No
type of voltage of the operating voltage AC/DC surge voltage resistance rated value protection class IP AC/DC IP65, IP67	insulation voltage rated value	500 V
surge voltage resistance rated value 6 kV protection class IP IP65, IP67	degree of pollution	3
protection class IP IP65, IP67	type of voltage of the operating voltage	AC/DC
•	surge voltage resistance rated value	6 kV
• of the terminal IP20	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	500 000
electrical endurance (operating cycles) typical	10 000 000
electrical endurance (operating cycles) with contactors 3RT1015 to 3RT1026 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	
• 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
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	
 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	
B10 value with high demand rate according to SN 31920	250 000
proportion of dangerous failures	
 with low demand rate according to SN 31920 	20 %
 with high demand rate according to SN 31920 	20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
Ambient conditions	
ambient temperature	
 during operation 	-25 +70 °C
during storage	-40 +80 °C
environmental category during operation according 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)
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

Certificates/ approvals

General Product Approval

Declaration of Conformity



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other



Confirmation

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3SU1130-7BC10-1NA0

Cax online generator

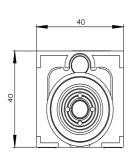
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-7BC10-1NA0

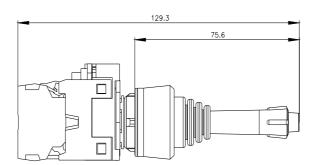
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

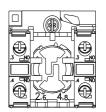
https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-7BC10-1NA0

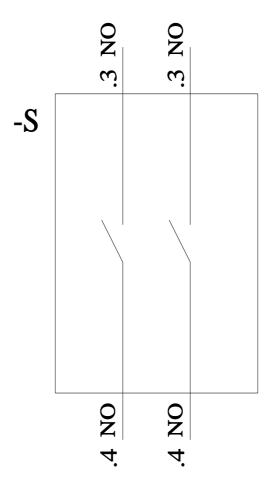
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ EPLAN\ macros,\ ...)$

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1130-7BC10-1NA0&lang=en









last modified: 1/27/2022 🖸

