## 3SU1100-7BC10-1NA0

**Data sheet** 



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

product designation design of the product Complete unit Product type designation SSU1  product type designation ASU1400-1AA10-1BA0 Filastic, black, 22 mm  manufacturer's article number 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 holder SSU1400-1AA10-1BA0 of the supplied holder SSU1500-BA10-DAA0  Findosure  Shape of the enclosure front reductor  ### Actuator  #### Actuator  ##	product brand name	SIRIUS ACT	
product type designation   3SU1   product line   Plastic, black, 22 mm	product designation	Coordinate switches	
product line Plastic, black, 22 mm manufacturer's article number  • of supplied contact module at position 3 • of the supplied contact module at position 3 • of the supplied holder • of the supplied actuator • of the supplied actuator  shape of the enclosure front  Actuator  design of the actuating element momentary contact type direction of actuation optional light source No color of the actuating element plastic shape of the actuating element plastic solve firm of the front ring plastic color of the color of the	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  **Sul100-78C10-0AA0  • of the supplied actuator  **Sul100-78C10-0AA0  **Tound  **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  **Cotor of the actuating element black  material of the actuating element Extended handle outer diameter of the actuating element Extended handle  outer diameter of the actuating element Dush-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 high material of the front ring plastic  color of the front ring high  material of the front ring high material of the front ring high material of the front ring high high material of the front ring plastic  color of the front ring high material of the holder Plastic  **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 & V protection class IP  **Protection class IP**  **Residued actuation state in subject to the position of service resistance rated value 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     of the supplied actuator     of the supplied actuator     of the supplied actuator     substitution of the substitution of substitution of substitution of the actuating element outer diameter of switching device outer of switching device outer of switching device outer of switching obstitions outer of switching device outer of switching obstitions outer outer of switching obstitions outer out	product line	Plastic, black, 22 mm	
of supplied contact module at position 3 SU1400-1AA10-1BA0 of the supplied actuator  SSU1000-7BC10-0AA0  Enclosure  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 light source color of the actuating element black material of the actuating element plastic shape 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 plastic shape of the actuating element actuating element actuating element actuating element actuating element plastic shape of the actuating element actuation element a	manufacturer's article number		
of the supplied holder     of the supplied actuator     SBU1000-7BC10-0AA0     SBU1000-7BC10-0AA0      Inclosure  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     No     color of the actuating element     black     material of the actuating element     plastic     shape 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     yes     design of the front ring     design of the front ring     plastic     color of the front ring     black  Holder  material of the holder  Plastic  General technical data     product position positive opening     No     insulation voltage rated value     degree of pollution     3     type of voltage resistance rated value     6 kV     protection class IP     In the first ring     in the pollution     3     surge voltage resistance rated value     6 kV     protection class IP	<ul> <li>of supplied contact module at position 1</li> </ul>	3SU1400-1AA10-1BA0	
• 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 base of the actuating element plastic shape of the actuating element plastic shape of the actuating element actuating element plastic shape of the actuating element actuating element plastic shape of the actuating element actuation elemen	<ul> <li>of supplied contact module at position 3</li> </ul>	3SU1400-1AA10-1BA0	
shape of the enclosure front round  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 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  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	<ul> <li>of the supplied holder</li> </ul>	3SU1550-0BA10-0AA0	
shape of the enclosure front round  Actuator  design of the actuating element with mechanical interlocking 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 Superior of the actuating element plastic  shape of the actuating element Superior of the actuation of the actuating element Superior of the actuating element Superior of the actuation of the act	<ul> <li>of the supplied actuator</li> </ul>	3SU1000-7BC10-0AA0	
Actuator  design of the actuating element with mechanical interlocking principle of operation of the actuating element momentary contact type direction of actuation horizontal horizontal 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 making modules and push-to-unlatch mechanism number of switching positions 2 making modules and 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 stype of voltage of the operating voltage AC/IDC 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 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 Front ring yes design of the front ring high material of the front ring plastic color of the front ring black Holder plastic detailed by the foot of the holder product component front plastic design 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 tolor of the front ring tolor of the front ring hlack toloder material of the holder Plastic  General technical data product function positive opening No insulation voltage rated value 6 kV protection class IP IP65, IP67	Actuator		
direction of actuation product extension optional light source color of the actuating element black material of the actuating element shape of the actuating element couter 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 black  Holder material of the holder  Ceneral 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 insulation voltage resistance rated value follow color of class IP  Issuer Andrew  No  No  No  No  No  Position  No  Sol V  Central technical date product function positive opening surge voltage resistance rated value follow First insulation voltage resistance rated value follow for voltage resistance rated value follow First insulation voltage for political voltage f	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 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 [*]  Front ring  product component front ring  high  material of the front ring  black  Holder  material 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  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  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 voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV protection class IP	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 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 voltage of the operating voltage AC/DC surge voltage resistance 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 push-to-unlatch mechanism number of switching positions 2 Maximum deflection angle [°]  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 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 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 voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV protection class IP	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  black  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  6 kV  protection class IP  IP65, IP67	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 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 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 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 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 voltage of the operating voltage AC/DC  surge voltage resistance rated value 6 kV  protection class IP IP65, IP67	type of unlocking device	push-to-unlatch mechanism	
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  General technical data product function positive opening insulation voltage rated value solve of pollution supply of voltage of the operating voltage surge voltage resistance rated value for kV protection class IP  Yes No No No Solve AC/DC Surge voltage resistance rated value for kV protection class IP	number of switching positions	2	
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  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  Yes  No  high  No  Plastic  Son V  AC/DC  Surge voltage resistance rated value  6 kV  protection class IP	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 type of voltage of the operating voltage surge voltage resistance rated value  feeting the holder  AC/DC surge voltage resistance rated value feeting the protection class IP  Residue to the plastic plasti	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 type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV protection class IP IP65, IP67	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  black  Plastic  No  Son  AC/DC  Surge voltage resistance rated value  6 kV	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	plastic	
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  AC/DC  6 kV	color of the front ring	black	
product function positive opening 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	Holder		
product function positive opening  insulation voltage rated value  500 V  degree of pollution  type of voltage of the operating voltage  surge voltage resistance rated value  protection class IP  No  500 V  AC/DC  6 kV  Protection class IP	material of the holder	Plastic	
insulation voltage rated value  degree of pollution  type of voltage of the operating voltage  surge voltage resistance rated value  protection class IP  500 V  AC/DC  6 kV  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  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	
<ul> <li>solid with core end processing</li> </ul>	2x (0.5 0.75 mm²)
<ul> <li>solid without core end processing</li> </ul>	2x (1.0 1.5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>	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	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	20 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
B10 value with high demand rate according to SN 31920	250 000
IEC 62061	
T1 value for proof test interval or service life according to IEC 61508	20 a
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)
Environmental footprint	
Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	0.787 kg
Global Warming Potential [CO2 eq] during manufacturing	0.566 kg
Global Warming Potential [CO2 eq] during operation	0.235 kg
Global Warming Potential [CO2 eq] after end of life	-0.015 kg
Installation/ mounting/ dimensions	
fastening method	front plate mounting

<ul> <li>of modules and accessories</li> </ul>	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**

Declaration of Conformity



Confirmation









Declaration of Conformity

**Test Certificates** 

Marine / Shipping



Special Test Certificate

Type Test Certificates/Test Report







Marine / Shipping

other

Environment



Confirmation

Environmental Confirmations

## 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=3SU1100-7BC10-1NA0

Cax online generator

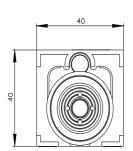
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7BC10-1NA0

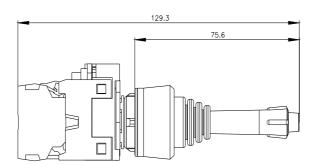
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

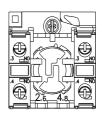
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7BC10-1NA0

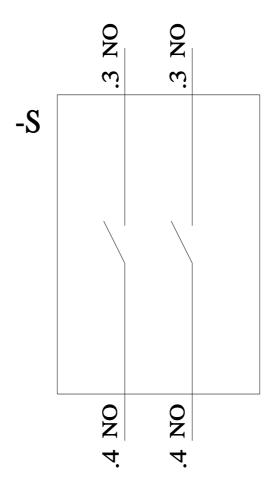
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1100-7BC10-1NA0&lang=en









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