## **SIEMENS**

## **Data sheet**



Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, horizontal latching, without mechanical interlocking, in O position, with holder, 1 NO, 1 NO, screw terminal, with laser labeling, lower case

product type designation design of the product product type designation annifecturer'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 suit400-1AA10-1BA0 of the supplied actuator supplied contact module at position 3 suit550-0BA10-0AA0 supplied contact module at position 3 suit400-1AA10-1BA0 supplied actuator design of the enclosure front Actuator design 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 puter diameter of the actuating element marking of the actuating element and yier of contact modules unumber of contact modules 2 number of switching positions 2 Maximum deflection angle ["]  product component front ring design of the front ring product component front ring plastic color of the front ring plas	product brand name	SIRIUS ACT
product type designation product line Plastic, 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 actuator  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 material of the actuating element plastic shape of the actuating element actuating element product extension optional light source color of the actuating element material of the actuating element plastic shape of the actuating element any inscription, text in lower case number of contact modules  a marking of the actuating element marking of the actuating element Any inscription, text in lower case number of contact modules  a maximum deflection angle [*]  product component front ring product component front ring design of the front ring plastic color of the front ring high material of the holder Plastic  Ceneral technical data product function positive opening insulation voltage rated value  degree of pollution 3 AC/DC surge voltage resistance rated value  6 kV	product designation	Coordinate switches
product line manufacturer's article number  o of supplied contact module at position 1  of supplied contact module at position 3  of the supplied holder of the supplied actuator  asult400-1AA10-1BA0  sult400-1AA10-1BA0  sult40	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 holder • of the supplied holder • of the supplied actuator  Enclosuro  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 shape of the actuating element product extension optional light source color of the actuating element shape of the actuating element shape of the actuating element shape of the actuating element put diameter of the actuating element shape of the actuating element put diameter of the actuating element put diameter of the actuating element put diameter of switching positions 2 number of switching positions 2 Maximum deflection angle [*]  product component front ring product component front ring design of the front ring plastic color of the front ring plastic color of the front ring black Holder material of the holder Ceneral technical data product function positive opening insulation voltage rated value 6 kV	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  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 extension optional element     plastic     shape of the actuating element     product admeter of the actuating element     product admeter of the actuating element     product modules     2     number of switching positions     2     Maximum deflection angle [*]     30°  Front ring     product component front ring     design of the front ring     plastic     color of the front ring     black  Holder     material of the holder     of the sactuating element     over a special position     shape of the actuating element     over a special position of the special p	product line	Plastic, black, 22 mm
of supplied contact module at position 3     of the supplied holder     of the supplied actuator      supplied actuator      supplied actuator      supplied actuator      supplied actuator      supplied supplied actuator      supplied actuator      supplied actuator      supplied actuator      supplied supplied actuator      supplied supplied actuator      supplied supplied actuator      supplied sup	manufacturer's article number	
of the supplied holder     of the supplied actuator     3SU1550-0BA10-0AA0     end to supplied actuator  Enclosure  shape of the enclosure front Actuator  design of the actuating element	<ul> <li>of supplied contact module at position 1</li> </ul>	3SU1400-1AA10-1BA0
• of the supplied actuator  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  material of the actuating element  practical of the actuating element  shape of the actuating element  plastic  shape of the actuating element  pulstic  shape of the actuating element  shape of the actuating element  marking of the actuating element  number of contact modules  2  number of switching positions  2  Maximum deflection angle [*]  Front ring  product component front ring  design of the front ring  plastic  color of the front ring  high  material 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  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	<ul> <li>of supplied contact module at position 3</li> </ul>	3SU1400-1AA10-1BA0
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 shape of the actuating element arking of the actuating element Any inscription, text in lower case number of contact modules 2 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 hype of voltage arted value 56 kV	<ul> <li>of the supplied holder</li> </ul>	3SU1550-0BA10-0AA0
shape of the enclosure front  Actuator  design of the actuating element without mechanical interlock  principle of operation of the actuating element latching  product extension optional light source No  color of the actuating element black material of the actuating element plastic shape of the actuating element State of the actuating element Any inscription, text in lower case number of contact modules 2 number of switching positions 2 number of switching positions 2 Maximum deflection angle [*] 30°  Front ring product component front ring high material of the front ring black tolor of the front ring black  tolor of the front ring black  Ceneral technical data product function positive opening No insulation voltage rated value 500 V  degree of pollution 3  type of voltage resistance rated value 6 kV	<ul> <li>of the supplied actuator</li> </ul>	3SU1000-7AA10-0AA0
Actuator  design of the actuating element without mechanical interlock principle of operation of the actuating element latching 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 Any inscription, text in lower case number of contact modules 2 number of switching positions 2 number of switching positions 2 laws and subject to the front ring high material of the front ring plastic color of the front ring black lack product function positive opening No insulation voltage rated value 500 V degree of pollution at the folder surge voltage resistance rated value 6 kV	Enclosure	
design of the actuating element without mechanical interlock principle of operation of the actuating element latching 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 Any inscription, text in lower case number of contact modules 2 number of switching positions 2 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 degree of pollution 3 type of voltage resistance rated value 6 kV	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  outer diameter of the actuating element marking of the actuating element marking of the actuating element anumber of contact modules number of switching positions  anumber of switching positions  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  general technical data product function positive opening insulation voltage rated value  degree of pollution support to the policy of the pol	Actuator	
direction of actuation product extension optional light source color of the actuating element material of the actuating element outer diameter of the actuating element marking of the actuating element marking of the actuating element anumber of contact modules number of switching positions 2 number of switching positions 2 Maximum deflection angle [°] Front ring product component front ring design of the front ring material of the front ring tholder material of the holder Plastic General technical data product function positive opening insulation voltage rated value degree of pollution support to the position of th	design of the actuating element	without mechanical interlock
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  marking of the actuating element  marking of the actuating element  Any inscription, text in lower case  number of contact modules  number of switching positions  and a summan deflection angle [°]  product component front ring  product component front ring  design of the front ring  material 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  surge voltage resistance rated value  6 kV	principle of operation of the actuating element	latching
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 marking of the actuating element Any inscription, text in lower case number of contact modules 2 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 noultage are of voltage of the operating voltage surge voltage resistance rated value 6 kV	direction of actuation	horizontal
material of the actuating element Extended handle outer diameter of the actuating element 30.5 mm marking of the actuating element Any inscription, text in lower case number of contact modules 2 number of switching positions 2 Maximum deflection angle [°] 30°  Front ring product component front ring high 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 surge voltage resistance rated value 6 kV	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 Maximum deflection angle [°] 7 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  500 V  degree of pollution type of voltage of the operating voltage surge voltage resistance rated value 6 kV	color of the actuating element	black
outer diameter of the actuating element marking of the actuating element number of contact modules 2 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 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  6 kV	material of the actuating element	plastic
marking of the actuating element number of contact modules 2 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 insulation voltage rated value 500 V  degree of pollution type of voltage of the operating voltage surge voltage resistance rated value 6 kV	shape of the actuating element	Extended handle
number of contact modules  number of switching positions  Maximum deflection angle [°]  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  surge voltage resistance rated value  6 kV	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	marking of the actuating element	Any inscription, text in lower case
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	number of contact modules	2
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  degree of pollution surge voltage resistance rated value  5 kV	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  type of voltage of the operating voltage  surge voltage resistance rated value  find  AC/DC  surge voltage resistance rated value  fing  high high high  Plastic  Plastic  No  So  AC/DC  Surge voltage resistance rated value  find high high high high high high high  Plastic  AC/DC  So  AC/DC  Surge voltage resistance rated value  find high high high high high high high hig	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  6 kV	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	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 type of voltage of the operating voltage 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  Surge voltage resistance rated value  Plastic  No  Soo V  AC/DC  Surge voltage resistance rated value  6 kV	material of the front ring	plastic
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  Plastic  No  500 V  AC/DC  Surge voltage resistance rated value 6 kV	color of the front ring	black
product function positive opening insulation voltage rated value  degree of pollution type of voltage of the operating voltage surge voltage resistance rated value  Surge voltage resistance rated value  No  500 V  AC/DC  Surge voltage resistance rated value  6 kV	Holder	
product function positive opening insulation voltage rated value  degree of pollution  type of voltage of the operating voltage  surge voltage resistance rated value  No  500 V  AC/DC  surge voltage resistance rated value  6 kV	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	General technical data	
degree of pollution     3       type of voltage of the operating voltage     AC/DC       surge voltage resistance rated value     6 kV	product function positive opening	No
type of voltage of the operating voltage AC/DC surge voltage resistance rated value 6 kV	insulation voltage rated value	500 V
surge voltage resistance rated value 6 kV	degree of pollution	3
	type of voltage of the operating voltage	AC/DC
protection class IP IP65, IP67	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 (switching cycles)	
<ul> <li>as operating period per direction of actuation typical</li> </ul>	100 000
electrical endurance (switching cycles) typical	10 000 000
electrical endurance (switching 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
	J 000 V
Power Electronics	0 1 " 400 " (47) (7
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)
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 with our end processing	2x (1,0 1,5 mm²)
at AWG cables	2x (1,0 1,3 mm) 2x (18 14)
	1 1.2 N·m
tightening torque of the screws in the bracket	
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	100 000
proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	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)
	our action in operation permitted for all devices berillia from pariety
Installation/ mounting/ dimensions	front plate mounting
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	71.3 mm
installation width	30.5 mm
installation depth	53.7 mm
Certificates/ approvals	
Further information	

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1100-7AA10-1NA0-Z Y12

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7AA10-1NA0-Z Y12

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7AA10-1NA0-Z Y12

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1100-7AA10-1NA0-Z Y12&lang=en

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