3SU1100-7BA10-1NA0-Z Y12

Data sheet



Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, horizontal latching, with 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 product type designation product type designation asult yes designation product line 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 actuator asult yes designation of the supplied actuator asult yes designation supplied actuator Finciosure 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 outer diameter of the actuating element and the actuating element plastic shape of the actuating element and yes design of the actuating element and yes design of the actuating element yelastic shape of the actuating element and yelastic shape of the actuating element any inscription, text in lower case number of contact modules 2 type of unlocking device push-to-unlatch mechanism product component front ring yes design of the front ring plastic color of the front ring design of the front ring black Holder material of the holder Plastic Coneral technical data product function positive opening No insulation voltage rated value degree of pollution 3 Complete unit SSU1400-1AA10-1BA0 SSU1400-1AA10-	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 shape of the actuating element material of the actuating element product extension optional light source color of the actuating element shape of the actuating element plastic shape of the actuating element push of the actuating element actuating of the actuating element push of the actuating element and plastic shape of the actuating element Any inscription, text in lower case 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 plastic color of the front ring plastic design 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	product designation	Coordinate switches
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• 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 shape of the actuating element plastic shape of the actuating element plastic shape of the actuating element puter diameter of the actuating element arriving of the actuating element Any inscription, text in lower case number of contact modules type of unlocking device 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 plastic color of the holder General technical data product function positive opening No insulation voltage rated value	 of supplied contact module at position 3 	3SU1400-1AA10-1BA0
Enclosure 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 horizontal product extension optional light source No color of the actuating element black 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 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	 of the supplied holder 	3SU1500-0BA10-0AA0
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Actuator design of the actuating element with mechanical interlocking 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 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	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 plastic shape of the actuating element outer diameter of the actuating element arking of the actuating element Any inscription, text in lower case number of contact modules 2 type of unlocking device number of switching positions 2 Maximum deflection angle [°] product component front ring design 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 No black No black No color of the front ving operation of the positive opening No insulation voltage rated value Soo V	Actuator	
direction of actuation product extension optional light source color of the actuating element material of the actuating element shape of the actuating element couter diameter of the actuating element marking of the actuating element Any inscription, text in lower case number of contact modules 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 black Holder material of the holder General technical data product function positive opening insulation voltage rated value holds horizontal holder No insulation voltage rated value	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 outer diameter of the actuating element arking of the actuating element Any inscription, text in lower case number of contact modules 2 type of unlocking device 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 No Extended handle Extended handle Extended handle 20.5 mm houser case Any inscription, text in lower case 21.5 mm houser case 22.5 mm houser case Push-to-unlatch mechanism 23.6 mm houser case Pses Any inscription, text in lower case 24.5 mm houser case Pses Any inscription, text in lower case 25.5 mm houser case Plastic General technical data Product function positive opening No insulation voltage rated value	principle of operation of the actuating element	latching
color of the actuating element material of the actuating element shape of the actuating element cuter diameter of the actuating element marking of the actuating element Any inscription, text in lower case 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 plastic color of the front ring black Holder material of the holder Plastic General technical data product function positive opening insulation voltage rated value black No insulation voltage rated value	direction of actuation	horizontal
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 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	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 type of unlocking device number of switching positions Maximum 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 material of the holder General technical data product function positive opening number of switching element Any inscription, text in lower case push-to-unlatch mechanism push-to-unlatch mechanism yes 4 yes design of the front ring high plastic color of the front ring black Holder material of the holder General technical data product function positive opening No insulation voltage rated value	color of the actuating element	black
outer diameter of the actuating element marking of the actuating element number of contact modules 2 type of unlocking device 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 material of the holder material of the holder General technical data product function positive opening insulation voltage rated value 30.5 mm Any inscription, text in lower case push-to-unlatch mechanism yes 4	material of the actuating element	plastic
marking of the actuating element number of contact modules 2 type of unlocking device 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 tolor of the front ring material of the holder material of the holder General technical data product function positive opening insulation voltage rated value Any inscription, text in lower case push-to-unlatch mechanism push-to-unlatch mechanism push-to-unlatch mechanism push-to-unlatch mechanism plastic plastic Plastic Seneral technical data product function positive opening insulation voltage rated value Any inscription, text in lower case push-to-unlatch mechanism push-to-unlatch mechanism plastic plastic Plastic Seneral technical data product function positive opening insulation voltage rated value 500 V	shape of the actuating element	Extended handle
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 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	outer diameter of the actuating element	30.5 mm
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	marking of the actuating element	Any inscription, text in lower case
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	number of contact modules	
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		push-to-unlatch mechanism
Front ring 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 Yes high plastic plastic Plastic No		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 Yes high plastic Plastic Plastic Soo V	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 high plastic plastic No	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	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	design of the front ring	high
Holder material of the holder General technical data product function positive opening insulation voltage rated value Plastic No 500 V	material of the front ring	plastic
material of the holder General technical data product function positive opening insulation voltage rated value Plastic No 500 V	color of the front ring	black
General technical data product function positive opening No insulation voltage rated value 500 V	Holder	
product function positive opening No insulation voltage rated value 500 V	material of the holder	Plastic
insulation voltage rated value 500 V	General technical data	
<u> </u>	product function positive opening	No
degree of pollution 3	insulation voltage rated value	500 V
	degree of pollution	3

type of voltage of the operating voltage	AC/DC
	6 kV
surge voltage resistance rated value protection class IP	
of the terminal	IP65, IP67 IP20
shock resistance	IF20
• acc. to IEC 60068-2-27	Sinusoidal half wayo 50a / 11 mg
	Sinusoidal half-wave 50g / 11 ms Category 1, Class B
for railway applications acc. to DIN EN 61373 vibration resistance	Category 1, Class B
• acc. to IEC 60068-2-6	10 500 Hz: 5q
• for railway applications acc. to DIN EN 61373	Category 1, Class B
operating frequency maximum	3 600 1/h
mechanical service life (switching cycles)	3 000 1/11
as operating period per direction of actuation typical	100 000
electrical endurance (switching cycles) typical	10 000 000
electrical endurance (switching cycles) with	10 000 000
contactors 3RT1015 to 3RT1026 typical	10 000 000
thermal current	10 A
reference code acc. 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
operating voltage at AC	
— at 50 Hz rated value	5 500 V
— at 60 Hz rated value	5 500 V
operating voltage at DC rated value	5 500 V
Power Electronics	· 000 ·
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10
Contact renability	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 electrical connection of modules and accessories type of connectable conductor cross-sections	Screw-type terminal
type of connectable conductor cross-sections	Screw-type terminal 2x (0.5 0.75 mm²)
71	
type of connectable conductor cross-sections • solid with core end processing	2x (0.5 0.75 mm²)
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²)
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²)
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²)
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14)
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m 100 000 20 % 20 % 100 FIT 20 y
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m 100 000 20 % 20 % 100 FIT 20 y
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m 100 000 20 % 20 % 20 % 100 FIT 20 y -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95 %, no
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m 100 000 20 % 20 % 20 % 100 FIT 20 y -25 +70 °C -40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95 %, no

 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

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=3SU1100-7BA10-1NA0-Z Y12

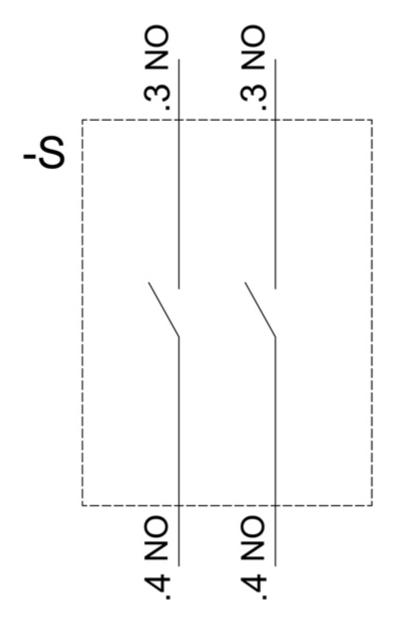
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7BA10-1NA0-Z Y12

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7BA10-1NA0-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=3SU1100-7BA10-1NA0-Z Y12&lang=en



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