SIEMENS

Data sheet

3SU1100-7BD10-1NA0-Z Y10



Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, vertical, momentary contact type, with mechanical interlocking in O position, with holder, 1 NO, 1 NO, screw terminal, with laser labeling, upper case and lower case, always upper case at beginning of line

product brand name SIRIUS ACT product designation Coordinate switches design of the product Complete unit product type designation 3SU1 product line Plastic, black, 22 mm manufacturer's article number - • of supplied contact module at position 2 3SU1400-1AA10-1BA0 • of the supplied contact module at position 4 3SU1400-1AA10-1BA0 • of the supplied dontact module at position 4 3SU1400-1AA10-1BA0 • of the supplied dontact module at position 4 3SU1500-0RA0 • of the supplied dontact module at position 4 SU1500-7BD10-0AA0 • of the supplied forther Torund Actuator SU1400-1AA10-1BA0 Enclosure with mechanical interlocking shape of the actuating element momentary contact type principle of operation of the actuating element plastic octor of the actuating element plastic shape of the actuating element plastic outer diameter of the actuating element Any inscription, text in upper/lower case, every line begins with upper case letter number of switching positions 2 2		
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material of the holder Plastic General technical data product function positive opening No	color of the front ring	black
General technical data product function positive opening No	Holder	
product function positive opening No	material of the holder	Plastic
	General technical data	
insulation voltage rated value 500 V	product function positive opening	No
		500 V

degree of pollution	2
degree of pollution	3
type of voltage of the operating voltage	AC/DC
surge voltage resistance rated value	6 kV
<pre>protection class IP • of the terminal</pre>	IP65, IP67
	IP20
shock resistance	0
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50g / 11 ms
for railway applications acc. to DIN EN 61373	Category 1, Class B
vibration resistance	
• acc. to IEC 60068-2-6	10 500 Hz: 5g
for railway applications acc. to DIN EN 61373	Category 1, Class B
operating frequency maximum	3 600 1/h
mechanical service life (switching cycles)	
as operating period per direction of actuation typical	500 000
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 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	
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10
oontaot i onabinty	
-	million (5 V, 1 mA)
Auxiliary circuit	million (5 V, 1 mA)
Auxiliary circuit design of the contact of auxiliary contacts	
design of the contact of auxiliary contacts	Silver alloy
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts	Silver alloy
design of the contact of auxiliary contacts	Silver alloy 0
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals	Silver alloy 0 2
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design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections	Silver alloy 0 2 Screw-type terminal
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design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections • solid with core end processing • solid without core end processing • finely stranded with core end processing	Silver alloy 0 2 Screw-type terminal 2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²)
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design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • at AWG cables	Silver alloy 0 2 Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1,0 1,5 mm ²)
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design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded with core end processing • at AWG cables tightening torque of the screws in the bracket • tightening torque for auxiliary contacts with screw-type terminals Safety related data B10 value with high demand rate acc. to SN 31920 proportion of dangerous failures • with low demand rate acc. to SN 31920	Silver alloy 0 2 Screw-type terminal 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 (1,0 1,5 mm²) 2x (1,8 14) 1 1.2 N·m 0.8 1 N·m 250 000 20 %
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design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • at AWG cables tightening torque of the screws in the bracket • tightening torque for auxiliary contacts with screw-type terminals Safety related data B10 value with high demand rate acc. to SN 31920 proportion of dangerous failures • with low demand rate acc. to SN 31920 failure rate [FIT] with low demand rate acc. to SN 31920 T1 value for proof test interval or service life acc. to IEC 61508 Ambient conditions • ambient temperature during operation	Silver alloy 0 2 Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1.0 1,5 mm ²) 2x (1.0
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • at AWG cables tightening torque of the screws in the bracket • tightening torque for auxiliary contacts with screw-type terminals Safety related data B10 value with high demand rate acc. to SN 31920 proportion of dangerous failures • with low demand rate acc. to SN 31920 • with high demand rate acc. to SN 31920 failure rate [FIT] with low demand rate acc. to SN 31920 T1 value for proof test interval or service life acc. to IEC 61508 Ambient conditions • ambient temperature during operation • ambient temperature during storage	Silver alloy 0 2 Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1.0 1,5 mm ²) 2x (1.8 1,5 mm ²) 2x (1.8 14) 1 1.2 N·m 0.8 1 N·m 250 000 20 % 20 % 100 FIT 20 y -25 +70 °C -40 +80 °C
design of the contact of auxiliary contacts number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts Connections/ Terminals type of electrical connection of modules and accessories type of connectable conductor cross-sections • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • at AWG cables tightening torque of the screws in the bracket • tightening torque for auxiliary contacts with screw-type terminals Safety related data B10 value with high demand rate acc. to SN 31920 proportion of dangerous failures • with low demand rate acc. to SN 31920 failure rate [FIT] with low demand rate acc. to SN 31920 T1 value for proof test interval or service life acc. to IEC 61508 Ambient conditions • ambient temperature during operation	Silver alloy 0 2 Screw-type terminal 2x (0.5 0.75 mm ²) 2x (1.0 1.5 mm ²) 2x (0.5 1.5 mm ²) 2x (1.0 1,5 mm ²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m 250 000 20 % 20 % 20 % 20 % 20 % 20 % 20 %

fastening method	front panel 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	
Further information	

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=3SU1100-7BD10-1NA0-Z Y10

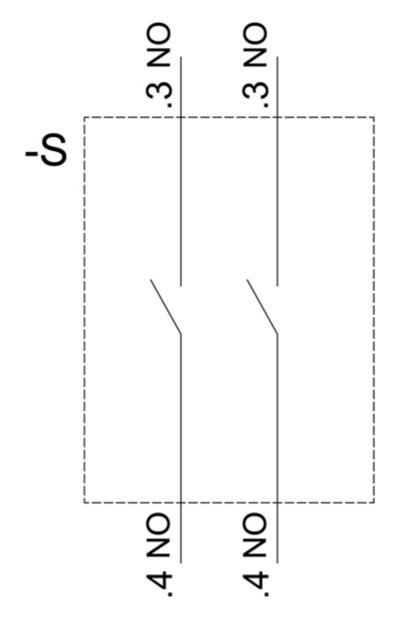
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7BD10-1NA0-Z Y10

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7BD10-1NA0-Z Y10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-7BD10-1NA0-Z Y10&lang=en



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