## 3SU1100-7BE10-1QA0-Z X90

## **Data sheet**



Coordinate switch, 22 mm, round, plastic, black, 4 switch positions, latching, with mechanical interlocking, in O position, with holder, 1 NO, 1 NO, 1 NO, 1 NO, screw terminal, Z=20-unit packaging

product designation Coordinate switches  design of the product product product type designation SSU1  product type designation Plastic, black, 22 mm  manufacturer's article number  • of supplied contact module at position 1 • of supplied contact module at position 2 • of supplied contact module at position 3 • of supplied contact module at position 3 • of supplied contact module at position 4 • of the supplied contact module at position 4 • of the supplied contact module at position 4 • of the supplied contact module at position 4 • of the supplied actuator SSU1400-1AA10-1BA0 • of the supplied actuator SSU1500-0BA10-0AA0 • of the supplied actuator round Actuator  design of the actuating element with mechanical interlocking principle of operation of the actuating element black product extension optional light source No color of the actuating element plastic shape of the actuating element Extended handle cuter diameter of the actuating element SAD SMM SMM SMM SMM SMM SMM SMM SMM SMM SM	product brand name	SIRIUS ACT
design of the product   Complete unit   Product type designation   SSU1   Plastic, black, 22 mm	<u> </u>	
product type designation product line product line of supplied contact module at position 1 of supplied contact module at position 2 of supplied contact module at position 3 of supplied contact module at position 3 of supplied contact module at position 3 of supplied contact module at position 4 of the supplied contact module at position 4 of the supplied holder of the supplied 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 product extension optional light source shape of the actuating element plastic shape of the actuating element plastic shape of the actuating element plastic shape of the actuating element pumber of contact modules 4 type of unlocking device push-to-unlatch mechanism number of switching positions 4 Maximum deflection angle [*] product component front ring design of the front ring product component front ring plastic color of the front ring plastic product function positive opening No		
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of supplied contact module at position 2     of supplied contact module at position 3     of supplied contact module at position 3     of supplied contact module at position 4     of the supplied holder     of the supplied holder     of the supplied actuator     of the supplied actuator     of the supplied actuator     subject of the supplied actuator     subject of the supplied actuator      subject of the supplied actuator      subject of the supplied actuator      subject of the subject of subject of the subject of		3SI11400-1AA10-1RA0
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material of the holder Plastic  General technical data  product function positive opening No		black
General technical data product function positive opening  No		Plantia
product function positive opening No		Plastic
insulation voltage rated value 500 V		
	insulation voltage rated value	500 V

dograp of pollution	3
degree of pollution	AC/DC
type of voltage of the operating voltage surge voltage resistance rated value	6 kV
protection class IP	IP65, IP67
• of the terminal	IP20
shock resistance	IF20
• 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	Category 1, Class D
• 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)	0 000 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	
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
<ul> <li>operating voltage at AC</li> </ul>	
— at 50 Hz rated value	5 500 V
— at 60 Hz rated value	5 500 V
<ul> <li>operating voltage at DC rated value</li> </ul>	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	4
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)
at AWG cables	2x (18 14)
tightening torque of the screws in the bracket	1 1.2 N·m
<ul> <li>tightening torque for auxiliary contacts with screw- type terminals</li> </ul>	0.8 1 N·m
Safety related data	
B10 value with high demand rate acc. to SN 31920	100 000
proportion of dangerous failures	
<ul> <li>with low demand rate acc. to SN 31920</li> </ul>	20 %
with high demand rate acc. to SN 31920	20 %
failure rate [FIT] with low demand rate acc. to SN 31920	100 FIT
T1 value for proof test interval or service life acc. to IEC 61508	20 y
Ambient conditions	
ambient temperature during operation	-25 +70 °C
ambient temperature during storage	-40 +80 °C
environmental category during operation acc. 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	
mistaliation/ mounting/ <u>uniterisions</u>	

fastening method	front panel 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

Certificates/ approvals

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=3SU1100-7BE10-1QA0-Z X90

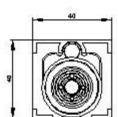
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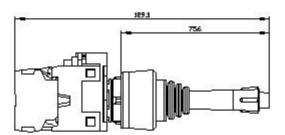
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7BE10-1QA0-Z X90

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

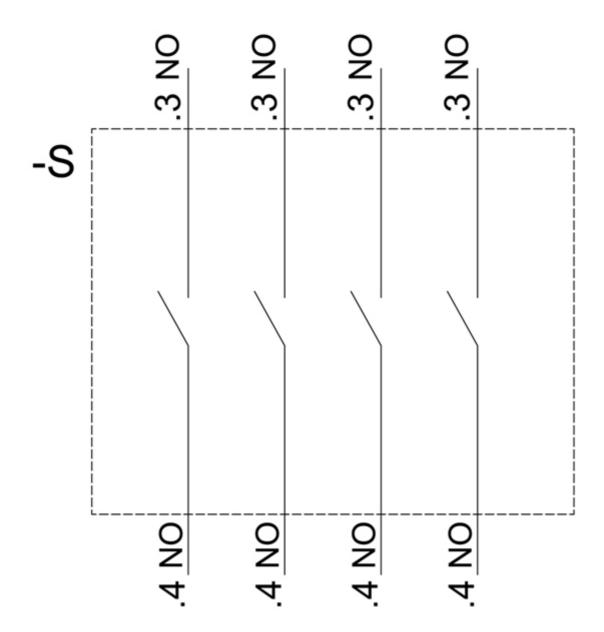
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7BE10-1QA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax">http://www.automation.siemens.com/bilddb/cax</a> de.aspx?mlfb=3SU1100-7BE10-1QA0-Z X90&lang=en









last modified: 8/31/2020 🖸