# SIEMENS

### Data sheet

## 3SU1100-7AB10-1NA0



Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, vertical latching, without mechanical interlocking, in O position, with holder, 1 NO, 1 NO, screw terminal

•				
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				
<ul> <li>of supplied contact module at position 2</li> </ul>	<u>3SU1400-1AA10-1BA0</u>			
<ul> <li>of supplied contact module at position 4</li> </ul>	<u>3SU1400-1AA10-1BA0</u>			
<ul> <li>of the supplied holder</li> </ul>	<u>3SU1550-0BA10-0AA0</u>			
<ul> <li>of the supplied actuator</li> </ul>	<u>3SU1000-7AB10-0AA0</u>			
Enclosure				
shape of the enclosure front	round			
Actuator				
design of the actuating element	without mechanical interlock			
principle of operation of the actuating element	latching			
direction of actuation	vertical			
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			
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			
of the terminal	IP20			
shock resistance				

	sinussidal half wave 45x / 44 ma
according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
vibration resistance	40 500 11-1 5-
according to IEC 60068-2-6	10 500 Hz: 5g
operating frequency maximum	2 400 1/h
mechanical service life (operating cycles)	400.000
as operating period per direction of actuation typical	100 000
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)
<ul> <li>for AWG cables</li> </ul>	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	
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 %
<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
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)
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	71.3 mm
installation width	30.5 mm
installation depth	53.7 mm
Certificates/ approvals	

General Product App	roval				Declaration of Con- formity
	<u>Confirmation</u>			EAC	CE EG-Konf.
Declaration of Con- formity	Test Certificates		Marine / Shipping		
UK CA	Type Test Certific- ates/Test Report	Special Test Certific- ate	ABS	Lloyd's Register LRS	PRS
Marine / Shipping	other	Environment			
RINA	<u>Confirmation</u>	Environmental Con- firmations			

#### 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=3SU1100-7AB10-1NA0

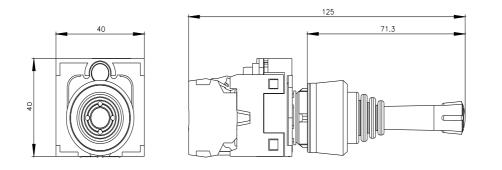
Cax online generator

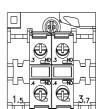
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7AB10-1NA0

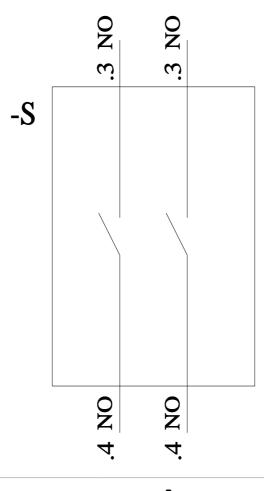
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7AB10-1NA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1100-7AB10-1NA0&lang=en







#### last modified:

1/27/2022 🖸

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