3SU1100-7AD10-1NA0

## **Data sheet**



Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, vertical, momentary contact type, 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  product type designation  SILIUS ACT  Coordinate switches  Complete unit  Product type designation		
design of the product  Complete unit  product type designation  3SU1		
product type designation 3SU1		
P 3		
product line Plastic, black, 22 mm		
manufacturer's article number		
• of supplied contact module at position 2 3SU1400-1AA10-1BA0		
• of supplied contact module at position 4  • of supplied contact module at position 4  • 3SU1400-1AA10-1BA0		
• of the supplied holder  • of the supplied holder  3SU1550-0BA10-0AA0		
• of the supplied actuator  • of the supplied actuator  3SU1000-7AD10-0AA0		
Enclosure		
shape of the enclosure front round		
Actuator		
design of the actuating element without mechanical interlock		
principle of operation of the actuating element momentary contact type		
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		

• according to IEC 60069 2 27	cinucoidal half ways 15g / 11 mg
according to IEC 60068-2-27  vibration resistance	sinusoidal half-wave 15g / 11 ms
	10 500 Hz: 50
according to IEC 60068-2-6	10 500 Hz: 5g 2 400 1/h
operating frequency maximum	2 400 1/11
mechanical service life (operating cycles)	500.000
as operating period per direction of actuation typical	500 000
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)
finely stranded with core end processing	2x (0.5 1.5 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>	2x (1,0 1,5 mm²)
• for AWG cables	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	250 000
proportion of dangerous failures	
with low demand rate according to SN 31920	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	2
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	



Confirmation









Declaration of Conformity

**Test Certificates** 

Marine / Shipping



Type Test Certificates/Test Report

Special Test Certificate







Marine / Shipping

other

Environment



Confirmation

Environmental Confirmations

## 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=3SU1100-7AD10-1NA0

Cax online generator

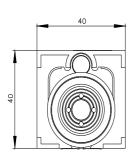
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3SU1100-7AD10-1NA0}$ 

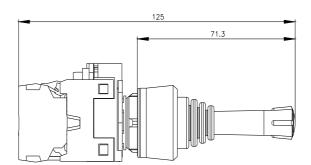
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

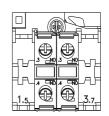
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7AD10-1NA0

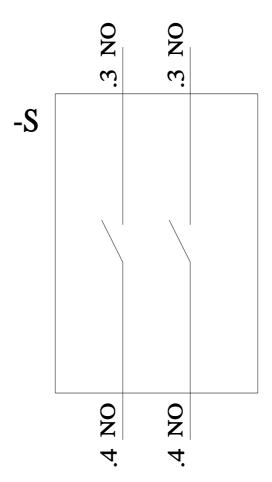
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1100-7AD10-1NA0&lang=en









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