## SIEMENS

## Data sheet

## 3SU1100-7AA10-1NA0

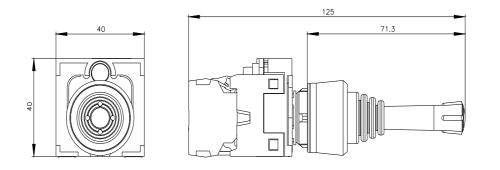


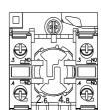
Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, horizontal latching, without mechanical interlocking, in O position, with holder, 1 NO, 1 NO, screw terminal,

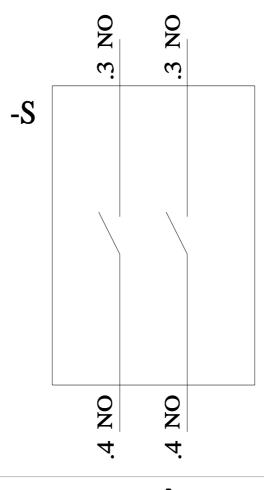
•	
product brand name	SIRIUS ACT
product designation	Coordinate switches
design of the product	Complete unit
product type designation	3SU1
product line	Plastic, black, 22 mm
manufacturer's article number	
<ul> <li>of supplied contact module at position 1</li> </ul>	<u>3SU1400-1AA10-1BA0</u>
<ul> <li>of supplied contact module at position 3</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>3SU1000-7AA10-0AA0</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	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	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 60068-2-27	sinusoidal half-wave 15g / 11 ms		
vibration resistance			
according to IEC 60068-2-6	10 500 Hz: 5g		
operating frequency maximum	2 400 1/h		
mechanical service life (operating cycles)			
as operating period per direction of actuation typical	100 000		
electrical endurance (operating cycles) typical	10 000 000		
electrical endurance (operating cycles) with contactors	10 000 000		
3RT1015 to 3RT1026 typical			
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			
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	100 FIT		
31920	400.000		
B10 value with high demand rate according to SN 31920	100 000		
IEC 62061			
T1 value for proof test interval or service life according to IEC 61508	20 a		
Ambient conditions			
ambient temperature			
during operation	-25 +70 °C		
during operation     orage	-40 +80 °C		
environmental category during operation according to IEC	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no		
60721	condensation in operation permitted for all devices behind front panel)		
Environmental footprint			
Environmental Product Declaration(EPD)	Yes		
Global Warming Potential [CO2 eq] total	0.787 kg		
Global Warming Potential [CO2 eq] during manufacturing	0.566 kg		
Global Warming Potential [CO2 eq] during operation	0.235 kg		
Global Warming Potential [CO2 eq] after end of life	-0.015 kg		
Installation/ mounting/ dimensions			
fastening method	front plate mounting		
of modules and accessories	Front plate mounting		

height		40 m	m		
width		40 m			
shape of the installati	on opening	roun			
mounting diameter	on oponing	22.3			
positive tolerance of i	installation diameter	0.4 n			
mounting height		71.3			
installation width		30.5			
installation depth		53.7			
pprovals Certificates					
General Product App	roval				
SP	CE EG-Konf.	UK CA	<u>Confirmation</u>		(UL)
General Product Approval	Test Certificates		Marine / Shipping		
EHC	<u>Type Test Certific-</u> ates/Test Report	Special Test Certific- ate	ABS	Lloyd's Register uis	PRS
Marine / Shipping	other				
RINA	<u>Confirmation</u>				
urther information					
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