## SIEMENS

## Data sheet

## 3SU1130-7AA10-1NA0



Coordinate switch, 22 mm, round, plastic with metal front ring, 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 with metal front ring, matt, 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>3SU1030-7AA10-0AA0</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	Metal, matt		
color of the front ring	sand gray		
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			

a according to IEC 60069 2 27	cipucoidal balf wave 15g / 11 mg			
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)	2 400 1/11			
	100.000			
as operating period per direction of actuation typical	100 000			
electrical endurance (operating cycles) typical electrical endurance (operating cycles) with contactors	10 000 000 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				
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 Appro	oval				Declaration of Con- formity
	CCC	<u>Confirmation</u>		EAC	CE EG-Konf.
Declaration of Con- formity	Test Certificates		Marine / Shipping		
UK CA	<u>Special Test Certific-</u> <u>ate</u>	Type Test Certific- ates/Test Report	ABS	Lloyd's Register uts	PRS
Marine / Shipping	other				
RINA	<u>Confirmation</u>				
Further information					

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=3SU1130-7AA10-1NA0

Cax online generator

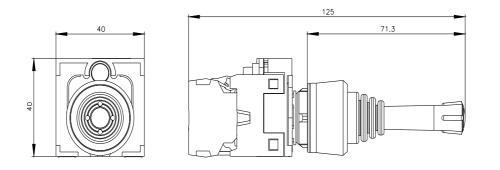
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-7AA10-1NA0

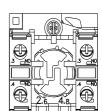
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

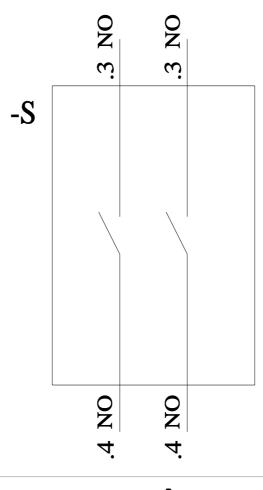
https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-7AA10-1NA0

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1130-7AA10-1NA0&lang=en







## last modified:

1/27/2022 🖸

7/10/2023