SIEMENS

Data sheet

3SU1130-7AC10-1NA0



Coordinate switch, 22 mm, round, plastic with metal front ring, black, 2 switch positions, horizontal, 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	Complete unit			
product type designation	3SU1			
product line	Plastic with metal front ring, matt, 22 mm			
manufacturer's article number				
 of supplied contact module at position 1 	<u>3SU1400-1AA10-1BA0</u>			
 of supplied contact module at position 3 	<u>3SU1400-1AA10-1BA0</u>			
 of the supplied holder 	<u>3SU1550-0BA10-0AA0</u>			
 of the supplied actuator 	<u>3SU1030-7AC10-0AA0</u>			
Enclosure				
shape of the enclosure front	round			
Actuator				
design of the actuating element	without mechanical interlock			
principle of operation of the actuating element	momentary contact type			
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				

	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)	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				
 solid with core end processing 	2x (0.5 0.75 mm²)			
 solid without core end processing 	2x (1.0 1.5 mm²)			
 finely stranded with core end processing 	2x (0.5 1.5 mm²)			
 finely stranded without core end processing 	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 %			
 with high demand rate according to SN 31920 	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			
 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				

General Product App	roval				Declaration of Con- formity	
	<u>Confirmation</u>	CCC		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 uis	PRS	
Marine / Shipping	other					
RINA	<u>Confirmation</u>					
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=3SU1130-7AC10-1NA0

Cax online generator

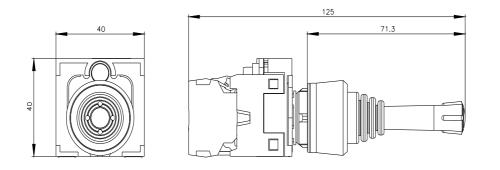
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-7AC10-1NA0

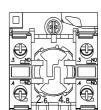
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

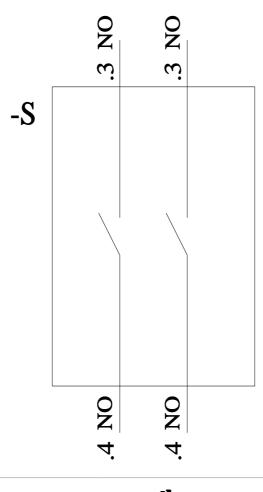
https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-7AC10-1NA0

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1130-7AC10-1NA0&lang=en







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