SIEMENS

Data sheet

3SU1130-7AE10-1QA0



Coordinate switch, 22 mm, round, plastic with metal front ring, black, 4 switch positions, latching, without mechanical interlocking, in O position, with holder, 1 NO, 1 NO, 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 2 	<u>3SU1400-1AA10-1BA0</u>		
 of supplied contact module at position 3 	<u>3SU1400-1AA10-1BA0</u>		
 of supplied contact module at position 4 	<u>3SU1400-1AA10-1BA0</u>		
 of the supplied holder 	<u>3SU1550-0BA10-0AA0</u>		
 of the supplied actuator 	<u>3SU1030-7AE10-0AA0</u>		
Enclosure			
shape of the enclosure front	round		
Actuator			
design of the actuating element	without mechanical interlock		
principle of exerction of the actuating element	latabing		

design of the actuating element	without mechanical interlock		
principle of operation of the actuating element	latching		
direction of actuation	horizontal / 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	4		
number of switching positions	4		
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			
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 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		
contact renability	(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	4		
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 mm ²)		
 finely stranded with core end processing 	2x (0.5 1.5 mm ²)		
 finely stranded without core end processing 	2x (0.5 1.5 mm ²)		
 for AWG cables 	2x (18 14)		
tightening torque of the screws in the bracket	11.2 N·m		
tightening torque for auxiliary contacts with screw-type terminals	0.8 1 N·m		
Safety related data	0.0 TN III		
	100.000		
B10 value with high demand rate according to SN 31920	100 000		
proportion of dangerous failures	22.97		
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	nm				
Certificates/ approvals							
General Product App	roval				Declaration of Con- formity		
SP SM	<u>Confirmation</u>			EAC	UK CA		
Declaration of Con- formity	Test Certificates		Marine / Shipping				
CE EG-Konf.	Type Test Certific- ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS	Lloyds Register urs	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

.com/cs/ww/en/view/109813875 htt s://support.industry.sie

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=3SU1130-7AE10-1QA0

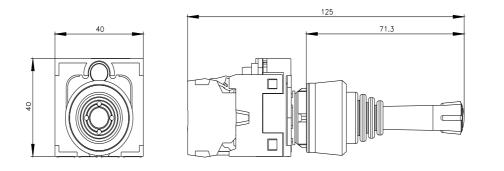
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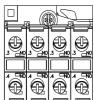
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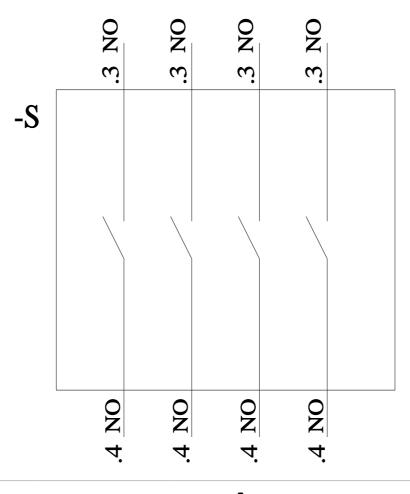
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-7AE10-1QA0

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1130-7AE10-1QA0&lang=en







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