SIEMENS

Data sheet

3SU1100-7AD10-1NA0



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	Complete unit
product type designation	3SU1
product line	Plastic, black, 22 mm
manufacturer's article number	
 of supplied contact module at position 2 	<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>3SU1000-7AD10-0AA0</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	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 60068-2-27	sinusoidal half-wave 15g / 11 ms
vibration resistance	Sinusoidai naii-wave 1597 11 ms
according to IEC 60068-2-6	10 500 Hz: 5g
	2 400 1/h
operating frequency maximum mechanical service life (operating cycles)	2 400 1/11
as operating period per direction of actuation typical	500 000
electrical endurance (operating cycles) typical	10 000 000
electrical endurance (operating cycles) typical 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	$0 \times (0.5 - 0.75 \text{ mm}^2)$
solid with core end processing	2x (0.5 0.75 mm ²)
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 for AWG cables 	2x (1,0 1,5 mm ²)
	2x (18 14) 1 1.2 N·m
tightening torque of the screws in the bracket	0.8 1 N·m
tightening torque for auxiliary contacts with screw-type terminals Safety related data	0.0 1 1111
proportion of dangerous failures	20.0%
with low demand rate according to SN 31920	20 % 20 %
with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN	100 FIT
31920	100 FT
B10 value with high demand rate according to SN 31920	250 000
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 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)
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	
Installation/ mounting/ unitensions	
fastening method	front plate mounting

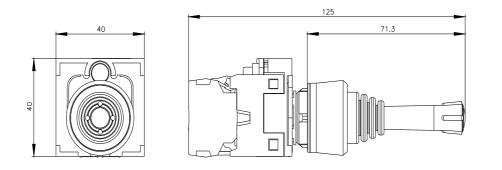
height		40 m			
width		40 m	m		
shape of the installation	on opening	round	t		
mounting diameter		22.3	mm		
positive tolerance of i	nstallation diameter	0.4 m	าทา		
mounting height		71.3	mm		
installation width		30.5	mm		
installation depth		53.7	mm		
Approvals Certificates					
General Product App	roval				Declaration of Con- formity
SP M	<u>Confirmation</u>			EHC	UK CA
Declaration of Con- formity	Test Certificates		Marine / Shipping		
EG-Konf.	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	ABS	Lloyd's Register uts	PRS
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RINA	<u>Confirmation</u>	Environmental Con- firmations			
Further information					
	to exit the Russian mar om/global/en/pressreleas	'ket (see here). e/siemens-wind-down-rus	sian-business		
Siemens is working or Please contact your loc	n the renewal of the cur al Siemens office on the	rent EAC certificates.	C certification if you intend	I to import or offer to sup	oply these products to an
Information on the pac https://support.industry.	ckaging siemens.com/cs/ww/en/v	<u>riew/109813875</u>	,		
https://www.siemens.co		Brochures,…)			
Industry Mall (Online (ordering system)				

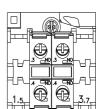
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1100-7AD10-1NA0

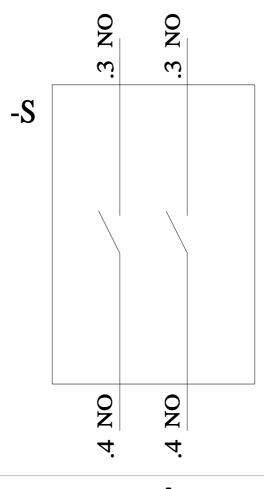
Cax online generator

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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