SIEMENS

Data sheet

3SU1100-7BD10-1NA0



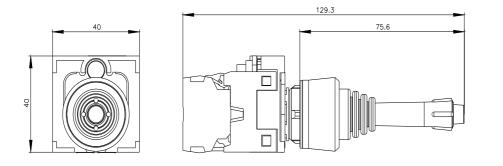
Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, vertical, momentary contact type, with mechanical interlocking in O position, with holder, 1 NO, 1 NO, screw terminal

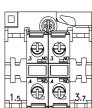
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product brand name	SIRIUS ACT		
product designation	Coordinate switches		
design of the product	Complete unit		
product type designation	3SU1		
product line	Plastic, black, 22 mm		
manufacturer's article number			
 of supplied contact module at position 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>3SU1000-7BD10-0AA0</u>		
Enclosure			
shape of the enclosure front	round		
Actuator			
design of the actuating element	with mechanical interlocking		
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		
type of unlocking device	push-to-unlatch mechanism		
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		

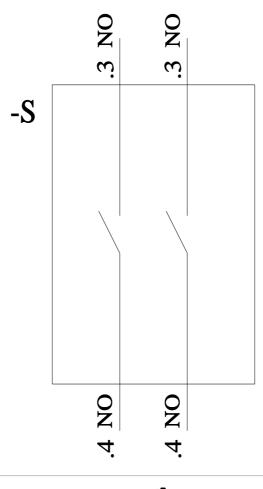
surge voltage resistance rated value	6 kV
protection class IP	IP65, IP67
 of the terminal 	IP20
shock resistance	
 according to IEC 60068-2-27 	sinusoidal half-wave 15g / 11 ms
vibration resistance	
 according to IEC 60068-2-6 	10 500 Hz: 5g
operating frequency maximum	2 400 1/h
mechanical service life (operating cycles)	
 as operating period per direction of actuation typical 	500 000
electrical endurance (operating cycles) typical	10 000 000
electrical endurance (operating cycles) with contactors	10 000 000
3RT1015 to 3RT1026 typical	40.4
thermal current	10 A
reference code according to IEC 81346-2	
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	5 500.1/
— at 50 Hz rated value	5 500 V
— at 60 Hz rated value	5500 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 mm ²)
 finely stranded with core end processing 	2x (0.5 1.5 mm ²)
 finely stranded without core end processing 	2x (1,0 1,5 mm ²)
• 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	
proportion of dangerous failures	
with low demand rate according to SN 31920	20 %
 with high demand rate according to SN 31920 	20 %
B10 value with high demand rate according to SN 31920	250 000
failure rate [FIT] with low demand rate according to SN	100 FIT
31920	
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)
	condensation in operation permitted for all devices behind front panel)
60721	
60721 Environmental footprint	condensation in operation permitted for all devices behind front panel)
60721 Environmental footprint Environmental Product Declaration(EPD)	condensation in operation permitted for all devices behind front panel) Yes
60721 Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total	condensation in operation permitted for all devices behind front panel) Yes 0.787 kg
60721 Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing	condensation in operation permitted for all devices behind front panel) Yes 0.787 kg 0.566 kg
60721 Environmental footprint Environmental Product Declaration(EPD) Global Warming Potential [CO2 eq] total Global Warming Potential [CO2 eq] during manufacturing Global Warming Potential [CO2 eq] during operation	Condensation in operation permitted for all devices behind front panel) Yes 0.787 kg 0.566 kg 0.235 kg

nstallation/ mounting/ o	dimensions				
fastening method		fron	t plate mounting		
 of modules and accessories 		Fror	Front plate mounting		
height		40 n	nm		
width		40 n	nm		
shape of the installation	on opening	rour	nd		
mounting diameter		22.3	3 mm		
positive tolerance of i	nstallation diameter	0.4	mm		
mounting height		75.6	3 mm		
installation width		30.5	5 mm		
installation depth		53.7	' mm		
oprovals Certificates					
General Product App	oval				
	UK CA	CE EG-Konf.	<u>Confirmation</u>	c UL us	EHC
Test Certificates		Marine / Shipping			
Special Test Certific- ate	Type Test Certific- ates/Test Report	ABS	Llovd's Register uis	PRS	RINA
other	Environment				
<u>Confirmation</u>	EPD	Siemens EcoTech	Environmental Con- firmations		
urther information Information on the pac	ckaging				
https://support.industry.	siemens.com/cs/ww/en/v nloadcenter (Catalogs, m/ic10				
https://mall.industry.sier	mens.com/mall/en/en/Cat	talog/product?mlfb=3SU1	<u>100-7BD10-1NA0</u>		
Cax online generator		Korder/default.aspx?lang=	en&mlfb=3SU1100-7BD10	<u>-1NA0</u>	
<u>nttps://support.industry.</u>	siemens.com/cs/ww/en/p	s/3SU1100-7BD10-1NA	2		

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-7BD10-1NA0&lang=en









2/7/2024 🖸