3SU1100-7AB10-1NA0-Z X90

Data sheet



Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, vertical latching, without mechanical interlocking, in O position, with holder, 1 NO, 1 NO, screw terminal, Z=20-unit packaging

product design of the product design of the product product type designation product line product line plastic, black, 22 mm product line plastic, black, 22 mm product line plastic, black, 22 mm product line amanufacturer's article number of supplied contact module at position 2 of supplied contact module at position 4 subject of the supplied holder of the supplied actuator shape of the supplied actuator product because of the extra tripe of the extra tripe of the extra tripe of operation of the actuating element principle of operation of the actuating element direction of actuation product extension optional light source color of the actuating element product extension optional light source black material of the actuating element plastic shape of the actuating element plastic shape of the actuating element plastic shape of the actuating element pumber of contact modules 2 number of switching positions 2 Maximum deflection angle [*] product component front ring product component front ring product component front ring plastic color of the front ring plastic design of the front ring plastic color of the front ring plastic pla	product brand name	SIRIUS ACT	
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color of the front ring black Holder material of the holder Plastic General technical data product function positive opening No	design of the front ring	high	
Holder material of the holder Plastic General technical data product function positive opening No	material of the front ring	plastic	
material of the holder General technical data product function positive opening No	color of the front ring	black	
General technical data product function positive opening No	Holder		
product function positive opening No	material of the holder	Plastic	
	General technical data		
insulation voltage rated value 500 V	product function positive opening	No	
	insulation voltage rated value	500 V	
degree of pollution 3	degree of pollution	3	
type of voltage of the operating voltage AC/DC	type of voltage of the operating voltage	AC/DC	
surge voltage resistance rated value 6 kV	surge voltage resistance rated value	6 kV	
protection class IP IP65, IP67	protection class IP	IP65, IP67	
• of the terminal IP20	of the terminal	IP20	

shock resistance	sinus sidal halfuunus 45 m / 44
• 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 (switching cycles)	
as operating period per direction of actuation typical	100 000
electrical endurance (switching cycles) typical	10 000 000
electrical endurance (switching 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 at DC rated value	5 500 V
	5 000 ¥
Power Electronics	One and a section and 400 (III) (471) (5. A)
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)
at 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	0.8 1 N·m
terminals	0.0 1 IVIII
Safety related data	
B10 value with high demand rate according to SN 31920	100 000
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	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)
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	

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=3SU1100-7AB10-1NA0-Z X90

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7AB10-1NA0-Z X90

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7AB10-1NA0-Z X90

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-7AB10-1NA0-Z X90&lang=en

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