3SU1100-7BB10-1NA0-Z Y10

Data sheet



Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, vertical latching, with mechanical interlocking, in O position, with holder, 1 NO, 1 NO, screw terminal, with laser labeling, upper case and lower case, always upper case at beginning of line

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 	3SU1400-1AA10-1BA0	
 of supplied contact module at position 4 	3SU1400-1AA10-1BA0	
 of the supplied holder 	3SU1550-0BA10-0AA0	
 of the supplied actuator 	3SU1000-7BB10-0AA0	
Enclosure		
shape of the enclosure front	round	
Actuator		
design of the actuating element	with mechanical interlocking	
principle of operation of the actuating element	latching	
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	
marking of the actuating element	Any inscription, text in upper/lower case, every line begins with upper case letter	
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	II 2V
	sinusoidal half-waye 15g / 11 mg
according to IEC 60068-2-27 vibration resistance	sinusoidal half-wave 15g / 11 ms
vibration resistance	10 500 Hz: 50
according to IEC 60068-2-6 operating frequency maximum	10 500 Hz: 5g 2 400 1/h
operating frequency maximum	∠ 1 00 1/11
mechanical service life (switching cycles)	100,000
as operating period per direction of actuation typical electrical endurance (switching cycles) typical	10 000
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 C characteristic MCB	10 A, for a short-circuit current smaller than 400 A
continuous current of the DIAZED fuse link gG	10 A
Substance Prohibitance (Date)	10/A 10/01/2014
operating voltage	
operating voitage • at AC	
■ at AC — at 50 Hz rated value	5 500 V
— at 50 Hz rated value — at 60 Hz rated value	5 500 V
at 60 Hz rated value at DC rated value	5 500 V
	0 000 V
Power Electronics	One melangative and 400 III (47) (5
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 number of NO contacts for auxiliary contacts	2
Connections/ Terminals	
	Scrow type terminal
type of electrical connection of modules and accessories	Screw-type terminal
type of connectable conductor cross-sections	2v (0.5 0.75 mm²)
solid with core end processing solid without core end processing	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²)
solid without core end processing finely stranded with core end processing	,
finely stranded with core end processing finely stranded without core end processing	2x (0.5 1.5 mm²)
 finely stranded without core end processing at AWG cables 	2x (1,0 1,5 mm²)
	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	100 000
proportion of dangerous failures	
with low demand rate according to SN 31920	20 %
with ligh demand rate according to SN 31920 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	
ambient temperatureduring operation	-25 +70 °C
•	-25 +70 °C -40 +80 °C
during operation	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
during operation during storage	-40 +80 °C
during operation during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)
during operation during storage environmental category during operation according to IEC 60721	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no
during operation during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel)
during operation during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) front plate mounting
during operation during storage environmental category during operation according to IEC 60721 Installation/ mounting/ dimensions fastening method of modules and accessories	-40 +80 °C 3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 95%, no condensation in operation permitted for all devices behind front panel) front plate mounting Front plate mounting

shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	75.6 mm
installation width	30.5 mm
installation depth	53.7 mm
Certificates/ approvals	
Further information	

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=3SU1100-7BB10-1NA0-Z Y10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7BB10-1NA0-Z Y10

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

https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7BB10-1NA0-Z Y10

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax de.aspx?mlfb=3SU1100-7BB10-1NA0-Z Y10&lang=en

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