3SU1130-7AA10-1NA0-Z Y11

Data sheet



Coordinate switch, 22 mm, round, plastic with metal front ring, black, 2 switch positions, horizontal latching, without mechanical interlocking, in O position, with holder, 1 NO, 1 NO, screw terminal, with laser labeling, upper case

product designation design of the product product type designation product time manufacturer's article number of supplied contact module at position 1 of supplied contact module at position 3 of the supplied holder of the supplied actuator supplied actuator supplied actuator shape of the enclosure front Actuator design of the actuating element product extension optional light source color of the actuating element material of the actuating element plastic shape of the actuating element material of the actuating element outer diameter of the actuating element marking of the actuating element mumber of contact modules product component front ring design of the front ring material of the holder Seneral technical date product function positive opening insulation voltage rated value degree of pollution type of voltage of the operating voltage AC/DC	product brand name	SIRIUS ACT
product type designation product line Plastic with metal front ring, matt, 22 mm manufacturer's article number of supplied contact module at position 1 sof supplied contact module at position 3 of the supplied holder of the supplied actuator supplied actuator supplied actuator of the supplied actuator design of the actuating element direction of actuation product extension optional light source color of the actuating element black material of the actuating element shape of the actuating element supplied actuating element supplied actuating element actuating of the actuating element supplied actuating element actuating of the actuating element actuating of the actuating element actuating of the actuating element arking of the actuating element anarking of the actuating element anarking of the actuating element arking of the actuating element anarking of the actuating element anumber of switching positions 2 Maximum deflection angle [*] Front ring product component front ring design of the front ring material of the front ring material of the front ring Metal, matt color of the front ring material of the holder plastic General technical data product function positive opening insulation voltage rated value degree of pollution 3 SU1400-1AA10-1BA0 3	product designation	Coordinate switches
product line manufacturer's article number • of supplied contact module at position 1 • of supplied contact module at position 3 • of the supplied contact module at position 3 • of the supplied contact module at position 3 • of the supplied contact module at position 3 • of the supplied contact module at position 3 • of the supplied actuator 3sU1000-DAA10 Enclosure shape of the enclosure front round Actustor design of the actuating element without mechanical interlock principle of operation of the actuating element black principle of operation of the actuating element black product extension optional light source No color of the actuating element black	design of the product	Complete unit
manufacturer's article number • of supplied contact module at position 1 • of supplied contact module at position 3 • of the supplied holder • of the supplied holder • of the supplied actuator • of the supplied actuator Sau1030-7AA10-0AA0 • of the supplied actuator Enclosure shape of the enclosure front Actuator design of the actuating element principle of operation of the actuating element direction of actuation product extension optional light source color of the actuating element material of the actuating element puter diameter of the actuating element puter diameter of the actuating element puter diameter of the actuating element anumber of contact modules pumber of switching positions Maximum deflection angle [*] Front ring product component front ring design of the front ring material of the holder Plastic Plastic General technical data product function positive opening insulation voltage rated value degree of pollution	product type designation	3SU1
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of the supplied holder of the supplied actuator 3SU1030-7AA10-0AA0 Enclosure shape of the enclosure front Actuator design of the actuating element	 of supplied contact module at position 1 	3SU1400-1AA10-1BA0
• of the supplied actuator Enclosure shape of the enclosure front Actuator design of the actuating element principle of operation of the actuating element direction of actuation product extension optional light source color of the actuating element shape of the actuating element shape of the actuating element plastic shape of the actuating element shape of the actuating element puter diameter of the actuating element anumber of contact modules number of switching positions 2 Maximum deflection angle [*] Front ring product component front ring design of the front ring design of the front ring material of the holder material of the holder material of the holder plastic Plastic General technical data product function positive opening insulation voltage rated value degree of pollution 3SU1030-7AA10-0AA0 round round round round round round without mechanical interlock latching horizontal round Actuator evition design of the actuating element round round skithout mechanical interlock latching horizontal round Actuator evition design interlock without mechanical interlock latching horizontal round Actuation product extension optional light source round round round Actuating latching horizontal round round Any inscription, text in upper case number of switching position product component front ring high material of the front ring sand gray Holder material of the holder Solo V degree of pollution	 of supplied contact module at position 3 	3SU1400-1AA10-1BA0
Enclosure shape of the enclosure front Actuator design of the actuating element without mechanical interlock principle of operation of the actuating element latching direction of actuation horizontal product extension optional light source No color of the actuating element black material 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 case number of switching positions 2 Maximum deflection angle [°] 30° Front ring product component 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	 of the supplied holder 	3SU1500-0BA10-0AA0
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principle of operation of the actuating element direction of actuation product extension optional light source color of the actuating element material of the actuating element plastic shape of the actuating element color of the actuating element plastic shape of the actuating element puster of the actuating element arking of the actuating element Any inscription, text in upper case number of contact modules product component front ring product component front ring design of the front ring material of the front ring material of the holder material of the holder General technical data product function positive opening insulation voltage rated value degree of pollution No insulation voltage rated value Any inscription, text in upper case any	Actuator	
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color of the actuating element material of the actuating element shape of the actuating element outer diameter of the actuating element marking of the actuating element number of contact modules 2 number of switching positions 2 Maximum deflection angle [°] 7 Front ring product component front ring design of the front ring material of the front ring material of the front ring material of the holder Plastic General technical data product function positive opening insulation voltage rated value degree of pollution black anaterial shock plastic strended handle stre	direction of actuation	horizontal
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 case 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 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	product extension optional light source	No
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outer diameter of the actuating element marking of the actuating element number of contact modules 2 number of switching positions 2 Maximum deflection angle [°] 30° Front ring product component front ring design of the front ring material of the front ring material of the holder material of the holder Plastic General technical data product function positive opening insulation voltage rated value degree of pollution 30.5 mm Any inscription, text in upper case 2 10 10 10 10 10 10 10 10 10 10 10 10 10	material of the actuating element	plastic
marking of the actuating element number of contact modules 2 number of switching positions 2 Maximum deflection angle [°] 30° Front ring product component 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 insulation voltage rated value 500 V degree of pollution 3	shape of the actuating element	Extended handle
number of contact modules number of switching positions Maximum deflection angle [°] Front ring product component front ring design of the front ring material of the front ring color of the front ring Holder material of the holder Plastic General technical data product function positive opening insulation voltage rated value degree of pollution 2 Metal, matt sand gray Plastic Plastic No insulation voltage rated value 500 V degree of pollution	outer diameter of the actuating element	30.5 mm
number of switching positions 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 insulation voltage rated value 500 V degree of pollution 3	marking of the actuating element	Any inscription, text in upper case
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 insulation voltage rated value 500 V degree of pollution 3	number of contact modules	2
product component front ring design of the front ring material of the front ring Color of the front ring Holder material of the holder Plastic General technical data product function positive opening insulation voltage rated value degree of pollution Yes Metal, matt sand gray Metal, matt sand gray Plastic Plastic No 500 V	number of switching positions	2
product component front ring design of the front ring material of the front ring Metal, matt color of the front ring Holder material of the holder Plastic General technical data product function positive opening insulation voltage rated value degree of pollution Yes High Nes Hotal Plastic Plastic No 3	Maximum deflection angle [°]	30°
design of the front ring high material of the front ring Metal, matt color of the front ring sand gray Holder Plastic General technical data Product function positive opening insulation voltage rated value No insulation voltage rated value 500 V degree of pollution 3	Front ring	
material of the front ring color of the front ring Holder material of the holder Plastic General technical data product function positive opening insulation voltage rated value degree of pollution Metal, matt sand gray Metal, matt sand gray Plastic Plastic No 3	product component front ring	Yes
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	design of the front ring	high
Holder material of the holder Plastic General technical data product function positive opening insulation voltage rated value degree of pollution No 3	material of the front ring	Metal, matt
material of the holder General technical data product function positive opening insulation voltage rated value degree of pollution Plastic No 500 V 3	color of the front ring	sand gray
General technical data product function positive opening No insulation voltage rated value 500 V degree of pollution 3	Holder	
product function positive opening insulation voltage rated value degree of pollution No 500 V 3	material of the holder	Plastic
insulation voltage rated value 500 V degree of pollution 3	General technical data	
degree of pollution 3	product function positive opening	No
	insulation voltage rated value	500 V
type of voltage of the operating voltage AC/DC	degree of pollution	3
	type of voltage of the operating voltage	AC/DC

	0.127
surge voltage resistance rated value	6 kV
protection class IP	IP65, IP67
• of the terminal	IP20
shock resistance	0: :111 15 50 /44
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50g / 11 ms
• for railway applications acc. to DIN EN 61373	Category 1, Class B
vibration resistance	40 50011 5
• acc. to IEC 60068-2-6	10 500 Hz: 5g
for railway applications acc. to DIN EN 61373	Category 1, Class B
operating frequency maximum	3 600 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 acc. 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
operating voltage at AC	
— at 50 Hz rated value	5 500 V
— at 60 Hz rated value	5 500 V
operating voltage at DC rated value	5 500 V
Power Electronics	
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10
Contact renability	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-	0.8 1 N·m
type terminals	0.0 T N III
Safety related data	
B10 value with high demand rate acc. to SN 31920	100 000
proportion of dangerous failures	
 with low demand rate acc. to SN 31920 	20 %
with high demand rate acc. to SN 31920	20 %
failure rate [FIT] with low demand rate acc. to SN 31920	100 FIT
T1 value for proof test interval or service life acc. to IEC 61508	20 y
Ambient conditions	
	25 170 %0
ambient temperature during operation	-25 +70 °C
ambient temperature during storage	-40 +80 °C
environmental category during operation acc. 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 panel 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

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=3SU1130-7AA10-1NA0-Z Y11

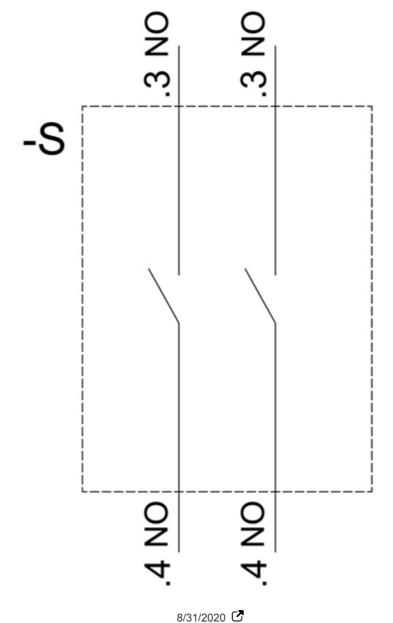
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-7AA10-1NA0-Z Y11

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-7AA10-1NA0-Z Y11

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1130-7AA10-1NA0-Z Y11&lang=en



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