



Coordinate switch, 22 mm, round, plastic, black, 4 switch positions, latching, without mechanical interlocking, in O position, with holder, 1 NO, 1 NO, 1 NO, 1 NO, screw terminal,

product brand name
product designation
design of the product
product type designation
product line
manufacturer's article number

SIRIUS ACT
Coordinate switches
Complete unit
3SU1
Plastic, black, 22 mm

- of supplied contact module at position 1
- of supplied contact module at position 2
- of supplied contact module at position 3
- of supplied contact module at position 4
- of the supplied holder
- of the supplied actuator

[3SU1400-1AA10-1BA0](#)
[3SU1400-1AA10-1BA0](#)
[3SU1400-1AA10-1BA0](#)
[3SU1400-1AA10-1BA0](#)
[3SU1550-0BA10-0AA0](#)
[3SU1000-7AE10-0AA0](#)

Enclosure

shape of the enclosure front round

Actuator

design of the actuating element without mechanical interlock
principle of operation of the actuating element latching
direction of actuation horizontal / 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 4
number of switching positions 4
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 2 400 1/h
operating frequency maximum	
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	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	4
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 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	2x (1.0 ... 1.5 mm ²)
• 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 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 high demand rate according to SN 31920	20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
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

General Product Approval	Declaration of Conformity
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[Confirmation](#)



Declaration of Conformity	Test Certificates	Marine / Shipping
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EG-Konf.

[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



ABS



LRS



PRS

Marine / Shipping	other
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RINA



RMRS

[Confirmation](#)

[Environmental Confirmations](#)

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=3SU1100-7AE10-1QA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7AE10-1QA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7AE10-1QA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-7AE10-1QA0&lang=en



