# **SIEMENS**

## **Data sheet**



Coordinate switch, 22 mm, round, plastic, black, 4 switch positions, momentary contact type, with mechanical interlocking in O position, with holder, 1 NO, 1 NO, 1 NO, screw terminal, Z=20-unit packaging

product brand name	SIRIUS ACT
product designation	Coordinate switches
design of the product	Coordinate switches  Complete unit
product type designation	3SU1
product line	Plastic, black, 22 mm
manufacturer's article number	001144004444444
of supplied contact module at position 1	3SU1400-1AA10-1BA0
of supplied contact module at position 2	3SU1400-1AA10-1BA0
of supplied contact module at position 3	3SU1400-1AA10-1BA0
of supplied contact module at position 4	3SU1400-1AA10-1BA0
of the supplied holder	<u>3SU1550-0BA10-0AA0</u>
of the supplied actuator	3SU1000-7BF10-0AA0
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	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
type of unlocking device	push-to-unlatch mechanism
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

	IDOR IDOR
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 3RT1015 to 3RT1026 typical	10 000 000
thermal current	10.0
	10 A S
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	E 500 V
— at 50 Hz rated value	5 500 V
— at 60 Hz rated value	5 500 V
at DC rated value  Power Flootropies	5 500 V
Power Electronics	0
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)
Auxiliary circuit	(5 1, 1 1
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
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type of connectable conductor cross-sections	
type of connectable conductor cross-sections  • solid with core end processing	2x (0.5 0.75 mm²)
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type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m
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type of connectable conductor cross-sections  • solid with core end processing  • solid without core end processing  • finely stranded with core end processing  • finely stranded without core end processing  • for AWG cables  tightening torque of the screws in the bracket  tightening torque for auxiliary contacts with screw-type terminals  Safety related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m
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type of connectable conductor cross-sections  • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • for AWG cables  tightening torque of the screws in the bracket tightening torque for auxiliary contacts with screw-type terminals  Safety related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature • during operation • during storage environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions fastening method	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m  250 000  20 % 20 % 20 % 100 FIT  -25 +70 °C -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)
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type of connectable conductor cross-sections  • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • for AWG cables  tightening torque of the screws in the bracket  tightening torque for auxiliary contacts with screw-type terminals  Safety related data  B10 value with high demand rate according to SN 31920  proportion of dangerous failures • with low demand rate according to SN 31920  • with high demand rate according to SN 31920  failure rate [FIT] with low demand rate according to SN 31920  Ambient conditions  ambient temperature • during operation • during storage  environmental category during operation according to IEC 60721  Installation/ mounting/ dimensions  fastening method • of modules and accessories  height width	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m  250 000  20 % 20 % 100 FIT  -25 +70 °C -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 Front plate mounting 40 mm 40 mm
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m  250 000  20 % 20 % 20 % 100 FIT  -25 +70 °C -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 40 mm 40 mm round
type of connectable conductor cross-sections	2x (0.5 0.75 mm²) 2x (1.0 1.5 mm²) 2x (0.5 1.5 mm²) 2x (1,0 1,5 mm²) 2x (18 14) 1 1.2 N·m 0.8 1 N·m  250 000  20 % 20 % 100 FIT  -25 +70 °C -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 40 mm 40 mm round 22.3 mm

installation width 30.5 mm
installation depth 53.7 mm

### Certificates/ approvals

#### Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

#### Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3SU1100-7BF10-1QA0-Z X90

Cax online generator

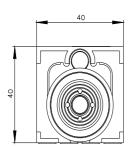
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7BF10-1QA0-Z X90

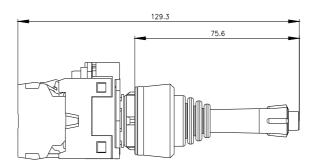
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

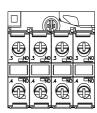
https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7BF10-1QA0-Z X90

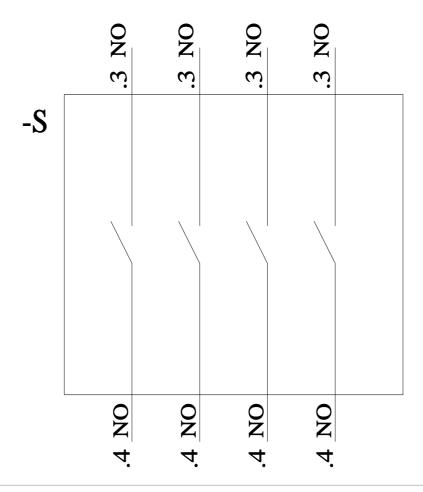
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SU1100-7BF10-1QA0-Z X90&lang=en









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