

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, 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	
<ul style="list-style-type: none"> • 1 of supplied contact module • 2 of supplied contact module • 3 of supplied contact module • 4 of supplied contact module • of the supplied holder • of the supplied actuator 	3SU1400-1AA10-1BA0 3SU1400-1AA10-1BA0 3SU1400-1AA10-1BA0 3SU1400-1AA10-1BA0 3SU1500-0BA10-0AA0 3SU1000-7BF10-0AA0

Enclosure

Shape of the enclosure front	round
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Actuator

Design of the operating mechanism	with mechanical interlocking
Manner of function of the actuating element	momentary contact type
Direction of actuation	horizontal / vertical
Product extension optional Light source	No
Color	
<ul style="list-style-type: none"> • 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	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
Protection class IP	IP65, IP67
• of the terminal	IP20
Shock resistance	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50 g / 11 ms
• for railway applications acc. to DIN EN 61373	Category 1, Class B
Vibration resistance	
• 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	500 000
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 DIN EN 81346-2	S
Reference code acc. to DIN EN 61346-2	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
• 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	
<ul style="list-style-type: none"> • of modules and accessories 	Screw-type terminal
Type of connectable conductor cross-sections	
<ul style="list-style-type: none"> • solid with core end processing 	2x (0.5 ... 0.75 mm ²)
<ul style="list-style-type: none"> • solid without core end processing 	2x (1.0 ... 1.5 mm ²)
<ul style="list-style-type: none"> • finely stranded with core end processing 	2x (0.5 ... 1.5 mm ²)
<ul style="list-style-type: none"> • finely stranded without core end processing 	2x (1,0 ... 1,5 mm ²)
<ul style="list-style-type: none"> • at AWG conductors 	2x (18 ... 14)
Tightening torque of the screws in the bracket	1 ... 1.2 N·m
Tightening torque	
<ul style="list-style-type: none"> • for auxiliary contacts with screw-type terminals 	0.8 ... 1 N·m
Safety related data	
B10 value	
<ul style="list-style-type: none"> • with high demand rate acc. to SN 31920 	250 000
Proportion of dangerous failures	
<ul style="list-style-type: none"> • with low demand rate acc. to SN 31920 	20 %
<ul style="list-style-type: none"> • with high demand rate acc. to SN 31920 	20 %
Failure rate [FIT]	
<ul style="list-style-type: none"> • 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	
Ambient temperature	
<ul style="list-style-type: none"> • during operation 	-25 ... +70 °C
<ul style="list-style-type: none"> • 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	
Mounting type	front panel mounting
<ul style="list-style-type: none"> • 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	75.6 mm
Installation width	30.5 mm
Installation depth	53.7 mm

Certificates/ approvals

General Product Approval	Declaration of Conformity	Test Certificates
 CSA  UL  EAC  EG-Konf.	Miscellaneous	Type Test Certificates/Test Report

Test Certificates	Marine / Shipping
Special Test Certificate	 ABS  LRS  PRS  RINA  RMRS

Marine / Shipping	other
 DNV-GL <small>DNVGL.COM/AF</small>	Confirmation

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=3SU1100-7BF10-1QA0-Z Y10>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7BF10-1QA0-Z Y10>

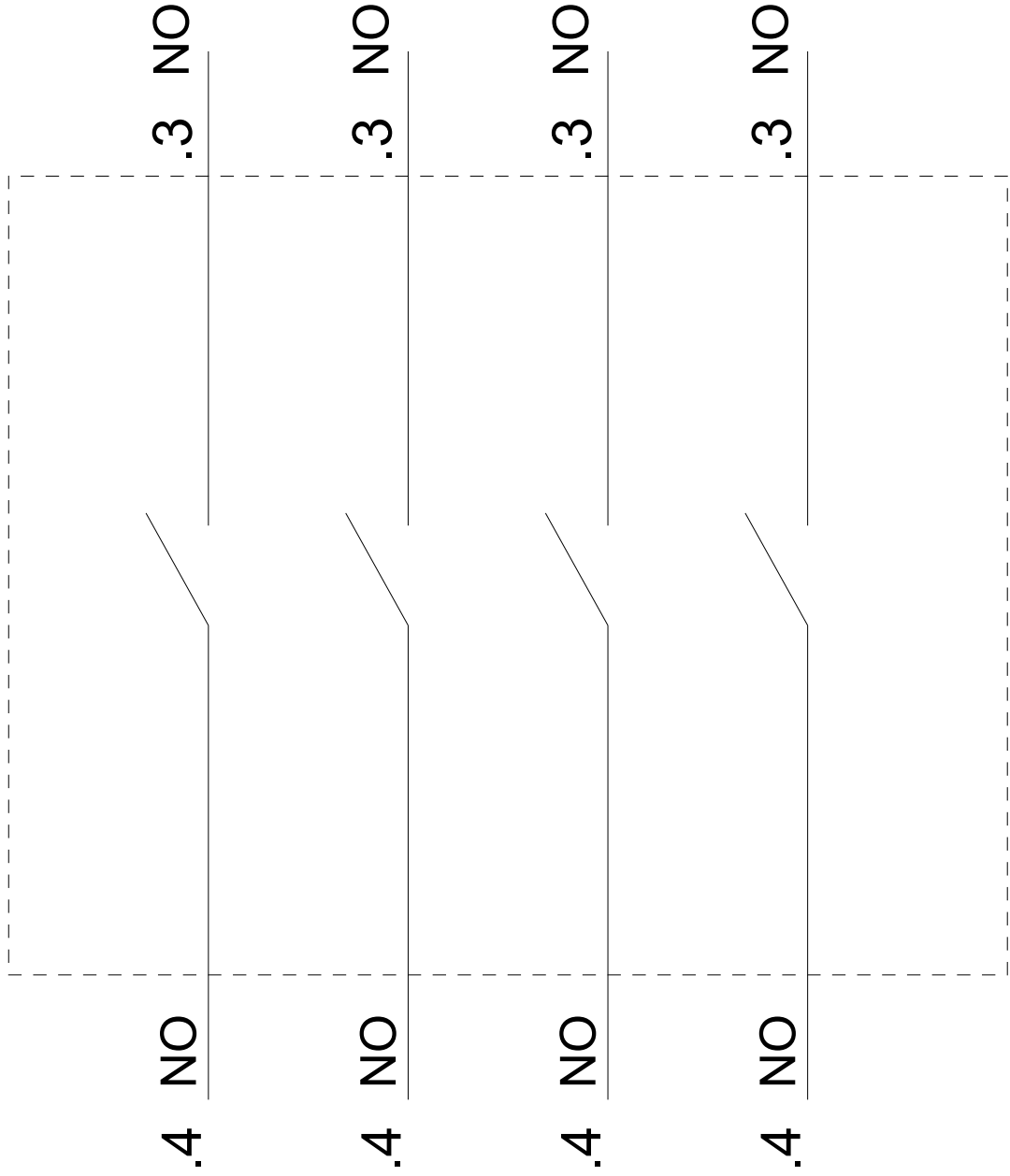
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7BF10-1QA0-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=3SU1100-7BF10-1QA0-Z Y10&lang=en

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