

Coordinate switch, 22 mm, round, plastic, black, 4 switch positions, latching, with mechanical interlocking, in O position, with holder, 1 NO, 1 NO, 1 NO, 1 NO, screw terminal, with laser labeling, upper case

<b>Product brand name</b>	SIRIUS ACT
<b>Product designation</b>	Coordinate switches
<b>Design of the product</b>	Complete unit
<b>Product type designation</b>	3SU1
<b>Product line</b>	Plastic, black, 22 mm
<b>Manufacturer's article number</b>	<ul style="list-style-type: none"> <li>• 1 of supplied contact module <a href="#">3SU1400-1AA10-1BA0</a></li> <li>• 2 of supplied contact module <a href="#">3SU1400-1AA10-1BA0</a></li> <li>• 3 of supplied contact module <a href="#">3SU1400-1AA10-1BA0</a></li> <li>• 4 of supplied contact module <a href="#">3SU1400-1AA10-1BA0</a></li> <li>• of the supplied holder <a href="#">3SU1500-0BA10-0AA0</a></li> <li>• of the supplied actuator <a href="#">3SU1000-7BE10-0AA0</a></li> </ul>

### Enclosure

<b>Shape of the enclosure front</b>	round
-------------------------------------	-------

### Actuator

<b>Design of the operating mechanism</b>	with mechanical interlocking
<b>Manner of function of the actuating element</b>	latching
<b>Direction of actuation</b>	horizontal / vertical
<b>Product extension optional Light source</b>	No
<b>Color</b>	
• of the actuating element	black
<b>Material of the actuating element</b>	plastic
<b>Shape of the actuating element</b>	Extended handle
<b>Outer diameter of the actuating element</b>	30.5 mm
<b>Marking of the actuating element</b>	Any inscription, text in upper case
<b>Number of contact modules</b>	4
<b>Type of unlocking device</b>	push-to-unlatch mechanism
<b>Number of switching positions</b>	4
<b>Maximum deflection angle [°]</b>	30°

### Front ring

<b>Product component front ring</b>	Yes
<b>Design of the front ring</b>	high
<b>Material of the front ring</b>	plastic
<b>Color of the front ring</b>	black

Holder	
<b>Material of the holder</b>	Plastic
General technical data	
<b>Product function</b>	
• positive opening	No
<b>Insulation voltage</b>	
• rated value	500 V
<b>Degree of pollution</b>	3
<b>Type of voltage</b>	
• of the operating voltage	AC/DC
<b>Surge voltage resistance rated value</b>	6 kV
<b>Protection class IP</b>	IP65, IP67
• of the terminal	IP20
<b>Shock resistance</b>	
• 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
<b>Vibration resistance</b>	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
• for railway applications acc. to DIN EN 61373	Category 1, Class B
<b>Operating frequency maximum</b>	3 600 1/h
<b>Mechanical service life (switching cycles)</b>	
• as operating period per direction of actuation typical	100 000
<b>Electrical endurance (switching cycles)</b>	
• typical	10 000 000
<b>Electrical endurance (switching cycles) with contactors 3RT1015 to 3RT1026 typical</b>	10 000 000
<b>Thermal current</b>	10 A
<b>Reference code acc. to DIN EN 81346-2</b>	S
<b>Reference code acc. to DIN EN 61346-2</b>	S
<b>Continuous current of the C characteristic MCB</b>	10 A; for a short-circuit current smaller than 400 A
<b>Continuous current of the quick DIAZED fuse link</b>	10 A
<b>Continuous current of the DIAZED fuse link gG</b>	10 A
<b>Operating voltage</b>	
• 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	
<b>Contact reliability</b>	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	Screw-type terminal
<ul style="list-style-type: none"> <li>of modules and accessories</li> </ul>	
Type of connectable conductor cross-sections	
<ul style="list-style-type: none"> <li>solid with core end processing</li> </ul>	2x (0.5 ... 0.75 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>solid without core end processing</li> </ul>	2x (1.0 ... 1.5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>finely stranded with core end processing</li> </ul>	2x (0.5 ... 1.5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>finely stranded without core end processing</li> </ul>	2x (1,0 ... 1,5 mm <sup>2</sup> )
<ul style="list-style-type: none"> <li>at AWG conductors</li> </ul>	2x (18 ... 14)
Tightening torque of the screws in the bracket	1 ... 1.2 N·m
Tightening torque	
<ul style="list-style-type: none"> <li>for auxiliary contacts with screw-type terminals</li> </ul>	0.8 ... 1 N·m





Safety related data	
B10 value	
<ul style="list-style-type: none"> <li>with high demand rate acc. to SN 31920</li> </ul>	100 000
Proportion of dangerous failures	
<ul style="list-style-type: none"> <li>with low demand rate acc. to SN 31920</li> </ul>	20 %
<ul style="list-style-type: none"> <li>with high demand rate acc. to SN 31920</li> </ul>	20 %
Failure rate [FIT]	
<ul style="list-style-type: none"> <li>with low demand rate acc. to SN 31920</li> </ul>	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"> <li>during operation</li> </ul>	-25 ... +70 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-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"> <li>of modules and accessories</li> </ul>	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	
				<a href="#">Miscellaneous</a>	<a href="#">Type Test Certificates/Test Report</a>
CSA	UL		EG-Konf.		

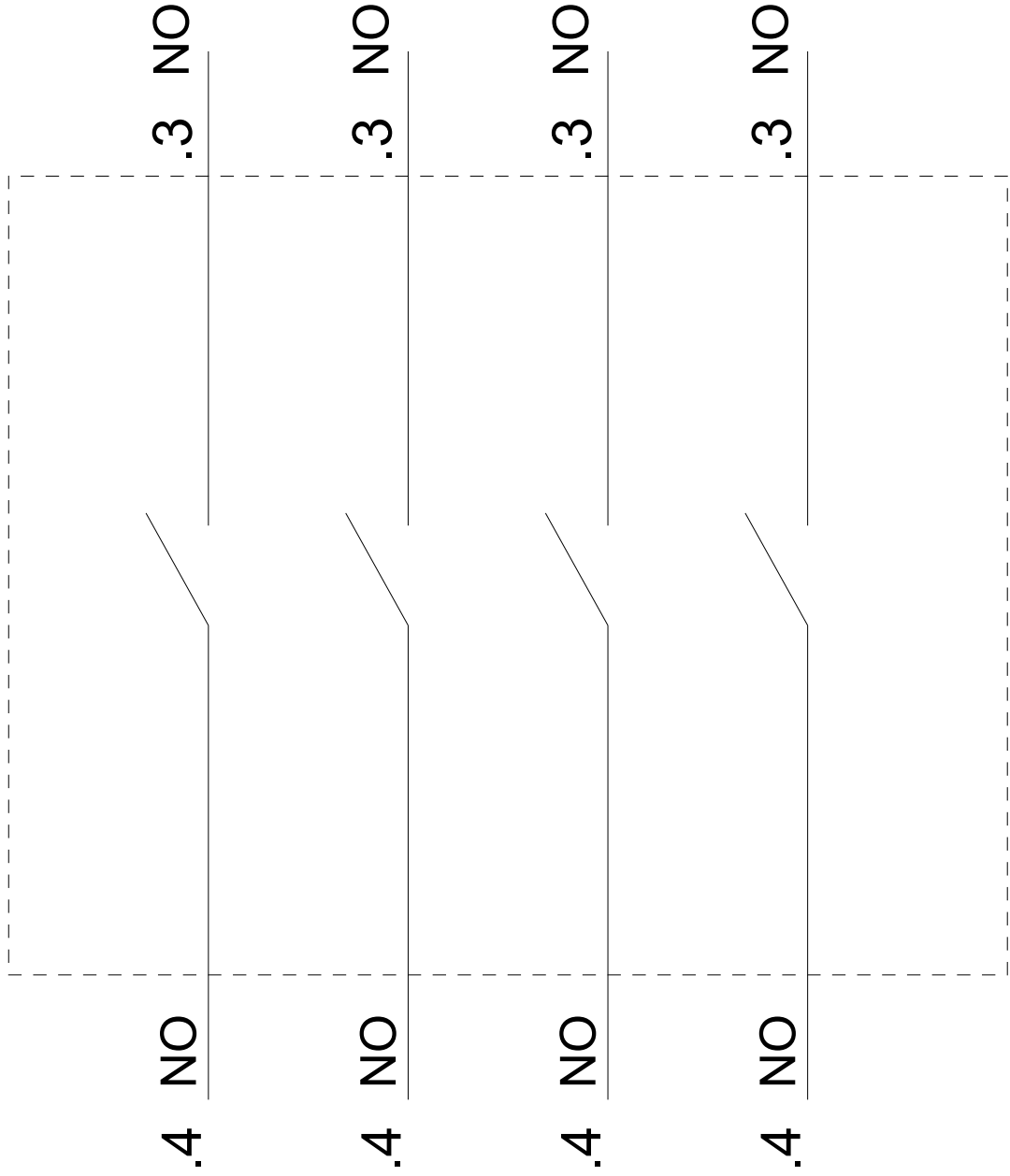
Test Certificates	Marine / Shipping				
<a href="#">Special Test Certificate</a>					
	ABS	LRS	PRS	RINA	RMRS

Marine / Shipping	other
	<a href="#">Confirmation</a>
DNV-GL DNVGL.COM/AF	

### 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=3SU1100-7BE10-1QA0-Z Y11>
- Cax online generator**  
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7BE10-1QA0-Z Y11>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7BE10-1QA0-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=3SU1100-7BE10-1QA0-Z Y11&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-7BE10-1QA0-Z Y11&lang=en)

§



last modified:

02/06/2020