

Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, horizontal latching, without mechanical interlocking, in O position, with holder, 1 NO, 1 NO, screw terminal,



<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>Manufacturer's article number</b>	
<ul style="list-style-type: none"> <li>• 1 of supplied contact module</li> <li>• 3 of supplied contact module</li> <li>• of the supplied holder</li> <li>• of the supplied actuator</li> </ul>	<ul style="list-style-type: none"> <li><a href="#">3SU1400-1AA10-1BA0</a></li> <li><a href="#">3SU1400-1AA10-1BA0</a></li> <li><a href="#">3SU1500-0BA10-0AA0</a></li> <li><a href="#">3SU1000-7AA10-0AA0</a></li> </ul>

### Enclosure

<b>Shape of the enclosure front</b>	round
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### Actuator

<b>Design of the operating mechanism</b>	without mechanical interlock
<b>Manner of function of the actuating element</b>	latching
<b>Direction of actuation</b>	horizontal
<b>Product extension optional Light source</b>	No
<b>Color</b>	
<ul style="list-style-type: none"> <li>• of the actuating element</li> </ul>	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	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	plastic
Color of the front ring	black

Holder	
Material of the holder	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>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)
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### Auxiliary circuit

<b>Design of the contact of auxiliary contacts</b>	Silver alloy
<b>Number of NC contacts for auxiliary contacts</b>	0
<b>Number of NO contacts for auxiliary contacts</b>	2
<b>Number of CO contacts</b>	
• for auxiliary contacts	0

### Connections/Terminals

<b>Type of electrical connection</b>	
• of modules and accessories	Screw-type terminal
<b>Type of connectable conductor cross-sections</b>	
• solid with core end processing	2x (0.5 ... 0.75 mm <sup>2</sup> )
• solid without core end processing	2x (1.0 ... 1.5 mm <sup>2</sup> )
• finely stranded with core end processing	2x (0.5 ... 1.5 mm <sup>2</sup> )
• finely stranded without core end processing	2x (1,0 ... 1,5 mm <sup>2</sup> )
• at AWG conductors	2x (18 ... 14)
<b>Tightening torque of the screws in the bracket</b>	1 ... 1.2 N·m
<b>Tightening torque</b>	
• for auxiliary contacts with screw-type terminals	0.8 ... 1 N·m

### Safety related data

<b>B10 value</b>	
• with high demand rate acc. to SN 31920	100 000
<b>Proportion of dangerous failures</b>	
• with low demand rate acc. to SN 31920	20 %
• with high demand rate acc. to SN 31920	20 %
<b>Failure rate [FIT]</b>	
• with low demand rate acc. to SN 31920	100 FIT
<b>T1 value for proof test interval or service life acc. to IEC 61508</b>	20 y

### Ambient conditions

<b>Ambient temperature</b>	
• during operation	-25 ... +70 °C
• 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)
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**Installation/ mounting/ dimensions**

<b>Mounting type</b>	front mounting
• of modules and accessories	Front plate mounting
<b>Height</b>	40 mm
<b>Width</b>	40 mm
<b>Shape of the installation opening</b>	round
<b>Mounting diameter</b>	22.3 mm
<b>Positive tolerance of installation diameter</b>	0.4 mm
<b>Mounting height</b>	71.3 mm
<b>Installation width</b>	30.5 mm
<b>Installation depth</b>	53.7 mm

**Certificates/approvals**

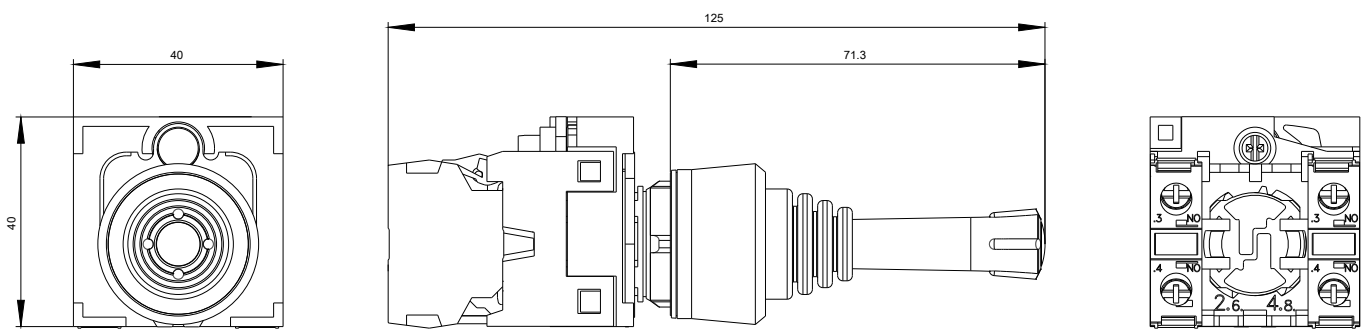
General Product Approval			Declaration of Conformity		
					<a href="#">Miscellaneous</a>
CCC	CSA	UL		EG-Konf.	

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

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

**Further information**

- Information- and Downloadcenter (Catalogs, Brochures,...)**  
<http://www.siemens.com/industrial-controls/catalogs>
- Industry Mall (Online ordering system)**  
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1100-7AA10-1NA0>
- Cax online generator**  
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7AA10-1NA0>
- Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7AA10-1NA0>





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