

Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, vertical, momentary contact type, without mechanical interlocking in O position, with holder, 1 NO, 1 NO, screw terminal



Figure similar

<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>• 2 of supplied contact module</li> <li>• 4 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="#">3SU1000-7AD10-0AA0</a></li> </ul>

### Enclosure

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

### Actuator

<b>Design of the operating mechanism</b>	without mechanical interlock
<b>Manner of function of the actuating element</b>	Momentary contact type
<b>Direction of actuation</b>	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>Number of contact modules</b>	2
<b>Number of switching positions</b>	2
<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	500 000
<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>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>	
<ul style="list-style-type: none"> <li>• at AC <ul style="list-style-type: none"> <li>— at 50 Hz rated value</li> <li>— at 60 Hz rated value</li> </ul> </li> <li>• at DC <ul style="list-style-type: none"> <li>— rated value</li> </ul> </li> </ul>	5 ... 500 V 5 ... 500 V 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

<b>Design of the contact of auxiliary contacts</b>	Silver alloy
<b>Number of NC contacts</b>	
<ul style="list-style-type: none"> <li>• for auxiliary contacts</li> </ul>	0
<b>Number of NO contacts</b>	
<ul style="list-style-type: none"> <li>• for auxiliary contacts</li> </ul>	2
<b>Number of CO contacts</b>	
<ul style="list-style-type: none"> <li>• for auxiliary contacts</li> </ul>	0

### Connections/Terminals

<b>Type of electrical connection</b>	
<ul style="list-style-type: none"> <li>• of modules and accessories</li> </ul>	Screw-type terminal
<b>Type of connectable conductor cross-sections</b>	
<ul style="list-style-type: none"> <li>• solid with core end processing</li> <li>• solid without core end processing</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> <li>• at AWG conductors</li> </ul>	2x (0.5 ... 0.75 mm <sup>2</sup> ) 2x (1.0 ... 1.5 mm <sup>2</sup> ) 2x (0.5 ... 1.5 mm <sup>2</sup> ) 2x (1,0 ... 1,5 mm <sup>2</sup> ) 2x (18 ... 14)
<b>Tightening torque of the screws in the bracket</b>	1 ... 1.2 N·m
<b>Tightening torque</b>	
<ul style="list-style-type: none"> <li>• for auxiliary contacts with screw-type terminals</li> </ul>	0.8 ... 1 N·m

### Safety related data

<b>B10 value</b>	
<ul style="list-style-type: none"> <li>• with high demand rate acc. to SN 31920</li> </ul>	250 000
<b>Proportion of dangerous failures</b>	
<ul style="list-style-type: none"> <li>• with low demand rate acc. to SN 31920</li> <li>• with high demand rate acc. to SN 31920</li> </ul>	20 % 20 %
<b>Failure rate [FIT]</b>	
<ul style="list-style-type: none"> <li>• with low demand rate acc. to SN 31920</li> </ul>	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>	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul>	<p>-25 ... +70 °C</p> <p>-40 ... +80 °C</p>
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

<b>Mounting type</b>	front mounting
<ul style="list-style-type: none"> <li>of modules and accessories</li> </ul>	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

<b>General Product Approval</b>	<b>Declaration of Conformity</b>	<b>Test Certificates</b>
 CCC	 EAC	 EG-Konf.
 CSA	 UL	<a href="#">Special Test Certificate</a>

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

<b>Marine / Shipping</b>	<b>other</b>
	<a href="#">Confirmation</a>
 DNV-GL 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=3SU1100-7AD10-1NA0>

**Cax online generator**

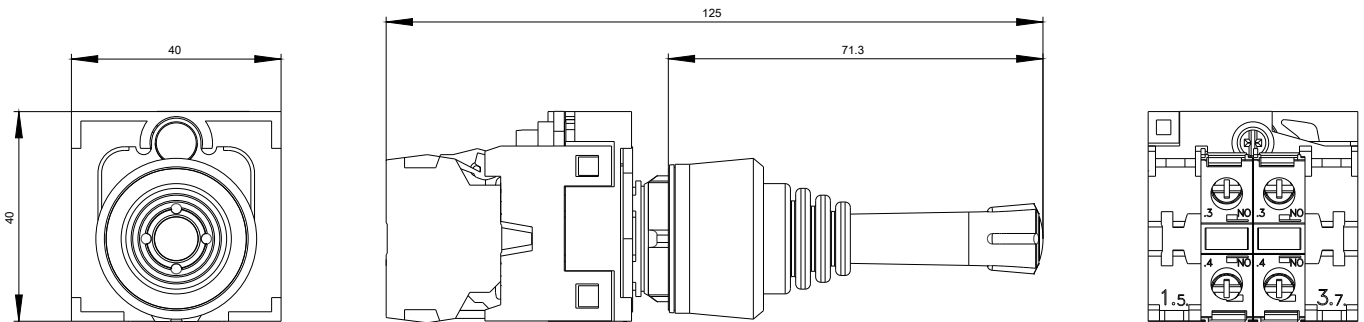
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7AD10-1NA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7AD10-1NA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1100-7AD10-1NA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-7AD10-1NA0&lang=en)





last modified:

11/28/2018