

Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, horizontal, momentary contact type, with mechanical interlocking



Product brand name	SIRIUS ACT
Product designation	Coordinate switches
Design of the product	Actuating/signaling element
Product type designation	3SU1

Actuator	
Design of the operating mechanism	with mechanical interlocking
Manner of function of the actuating element	Momentary contact type
Direction of actuation	horizontal
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
Type of unlocking device	push-to-unlatch mechanism
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
<b>General technical data</b>	
Protection class IP	IP65, IP67
Degree of protection NEMA rating	NEMA 1, 2, 3, 3R, 4, 4X, 12, 13
Shock resistance	
<ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-27</li> <li>• for railway applications acc. to DIN EN 61373</li> </ul>	Sinusoidal half-wave 50 g / 11 ms Category 1, Class B
Operating frequency maximum	3 600 1/h
Mechanical service life (switching cycles)	
<ul style="list-style-type: none"> <li>• as operating period per direction of actuation typical</li> </ul>	500 000
Reference code acc. to DIN EN 81346-2	S
Reference code acc. to DIN EN 61346-2	S
<b>Safety related data</b>	
B10 value	
<ul style="list-style-type: none"> <li>• with high demand rate acc. to SN 31920</li> </ul>	250 000
Proportion of dangerous failures	
<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 %
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
<b>Ambient conditions</b>	
Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> </ul>	-25 ... +70 °C -40 ... +80 °C
Environmental category during operation acc. to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95 %)
<b>Installation/ mounting/ dimensions</b>	
Height	30.5 mm
Width	30.5 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	25.5 mm
<b>Certificates/approvals</b>	

General Product Approval	Declaration of Conformity	Test Certificates
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[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

### Marine / Shipping



### other

[Confirmation](#)

### 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=3SU1000-7BC10-0AA0>

**Cax online generator**

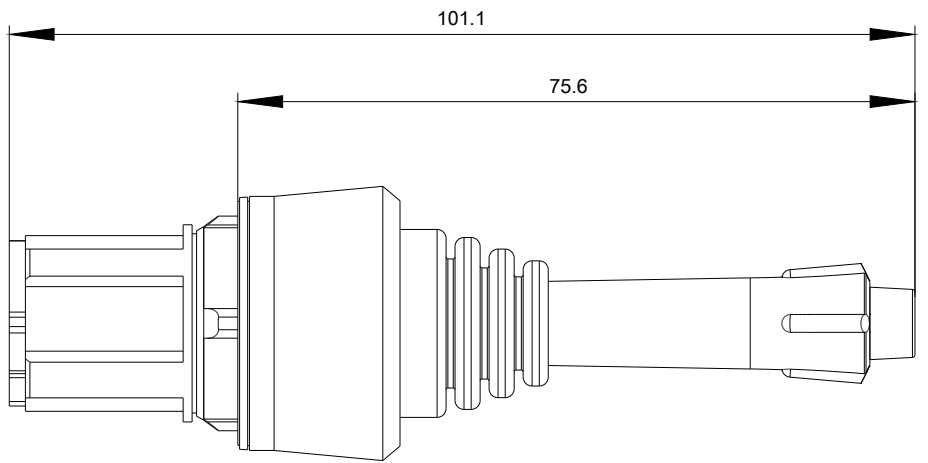
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-7BC10-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-7BC10-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1000-7BC10-0AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-7BC10-0AA0&lang=en)



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