

Coordinate switch, 22 mm, round, metal shiny, black, 2 switch positions, horizontal momentary contact type, without mechanical interlocking



Product brand name	SIRIUS ACT
Product designation	Coordinate switches
Design of the product	Actuating/signaling element
Product type designation	3SU1
Product line	Metal, shiny, 22 mm

Actuator	
Design of the operating mechanism	without mechanical interlock
Manner of function of the actuating element	momentary contact type
Direction of actuation	Vertical
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
Number of switching positions	2
Maximum deflection angle [°]	30°

Front ring	
Product component front ring	Yes
Design of the front ring	high

<b>Material of the front ring</b>	Metal, high gloss
<b>Color of the front ring</b>	silver
<b>General technical data</b>	
<b>Protection class IP</b>	IP65, IP67
<b>Degree of protection NEMA rating</b>	1, 2, 3, 3R, 4, 4X, 12, 13
<b>Shock resistance</b>	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50 g / 11 ms
<b>Vibration resistance</b>	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
<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>Reference code acc. to DIN EN 81346-2</b>	S
<b>Reference code acc. to DIN EN 61346-2</b>	S
<b>Safety related data</b>	
<b>B10 value</b>	
• with high demand rate acc. to SN 31920	250 000
<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
<b>Ambient conditions</b>	
<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 %)
<b>Installation/ mounting/ dimensions</b>	
<b>Height</b>	30.5 mm
<b>Width</b>	30.5 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>	25.6 mm
<b>Certificates/ approvals</b>	

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

[Type Test Certificates/Test Report](#)

Test Certificates	Marine / Shipping
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[Special Test Certificate](#)



Marine / Shipping	other
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[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=3SU1050-7AD88-0AA0>

**Cax online generator**

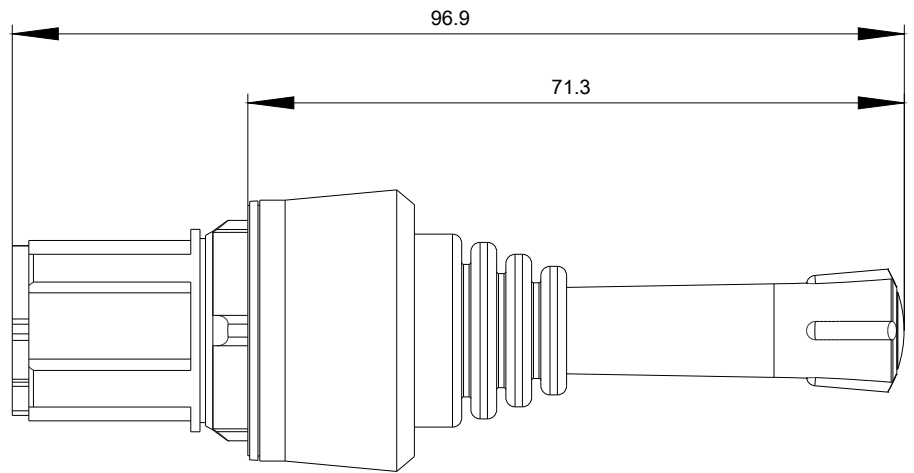
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1050-7AD88-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1050-7AD88-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1050-7AD88-0AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1050-7AD88-0AA0&lang=en)



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