

Coordinate switch, 22 mm, round, plastic, black, 4 switch positions, momentary contact type, without mechanical interlocking



Figure similar

Product brand name	SIRIUS ACT
Product designation	Coordinate switches
Design of the product	Betätigungs-/Meldeelement
Product type designation	3SU1

Actuator	
Design of the operating mechanism	without mechanical interlock
Manner of function of the actuating element	Momentary contact type
Direction of actuation	horizontal / 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	4
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

#### General technical data

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
Vibration resistance <ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-6</li> <li>• for railway applications acc. to DIN EN 61373</li> </ul>	10 ... 500 Hz: 5g 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

#### Auxiliary circuit

Number of NC contacts <ul style="list-style-type: none"> <li>• for auxiliary contacts</li> </ul>	0
Number of NO contacts <ul style="list-style-type: none"> <li>• for auxiliary contacts</li> </ul>	0
Number of CO contacts <ul style="list-style-type: none"> <li>• for auxiliary contacts</li> </ul>	0

#### Safety related data

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

#### Ambient conditions

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 %)

#### Installation/ mounting/ dimensions

Height	30.5 mm
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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	71.3 mm
Installation width	30.5 mm
Installation depth	25.6 mm

#### Certificates/approvals

General Product Approval		Declaration of Conformity	Test Certificates		
				<a href="#">Declaration of the Compliance with the order</a>	<a href="#">Special Test Certificate</a>
CSA	UL		EG-Konf.		

#### 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=3SU1000-7AF10-0AA0>

##### Cax online generator

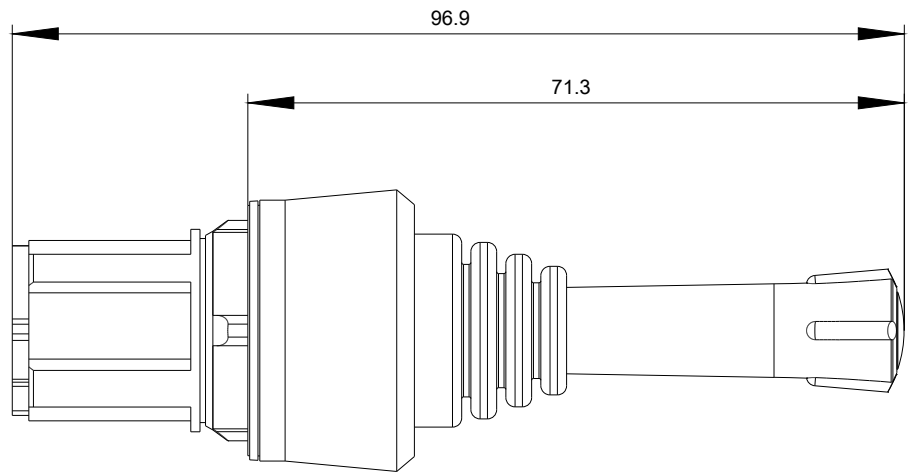
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-7AF10-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-7AF10-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1000-7AF10-0AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-7AF10-0AA0&lang=en)



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