



Coordinate switch, 22 mm, round, plastic, black, 2 switch positions, horizontal latching, with mechanical interlocking, with laser labeling, lower case

product brand name	SIRIUS ACT
product designation	Coordinate switches
design of the product	Actuating/signaling element
product type designation	3SU1
product line	Plastic, black, 22 mm
<b>Enclosure</b>	
number of command points	1
<b>Actuator</b>	
design of the actuating element	with mechanical interlocking
principle of operation of the actuating element	latching
direction of actuation	horizontal
product extension optional	
• light source	No
• contact module	Yes
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
marking of the actuating element	Any inscription, text in lower case
type of unlocking device	push-to-unlatch mechanism
number of switching positions	2
Maximum deflection angle [°]	30°
<b>Front ring</b>	
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	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
vibration resistance	
• according to IEC 60068-2-6	10 ... 500 Hz: 5g
operating frequency maximum	2 400 1/h
mechanical service life (switching cycles)	
• as operating period per direction of actuation typical	100 000
reference code according to IEC 81346-2	S
Substance Prohibitance (Date)	10/01/2014

Safety related data	
B10 value with high demand rate according to SN 31920	100 000
<b>proportion of dangerous failures</b>	
<ul style="list-style-type: none"> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> </ul>	20 % 20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
Ambient conditions	
<b>ambient temperature</b>	
<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 according to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%)
Installation/ mounting/ dimensions	
<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>	75.6 mm
<b>installation width</b>	30.5 mm
<b>installation depth</b>	25.5 mm
Certificates/ approvals	
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=3SU1000-7BA10-0AA0-Z Y12>  
**Cax online generator**  
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-7BA10-0AA0-Z Y12>  
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**  
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-7BA10-0AA0-Z Y12>  
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**  
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1000-7BA10-0AA0-Z Y12&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-7BA10-0AA0-Z Y12&lang=en)

last modified: 1/27/2022 