

Siemens  
EcoTech



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	Customized labeling, text in lower case letters
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 (operating cycles)	
• as operating period per direction of actuation typical	100 000

reference code according to IEC 81346-2	S
Substance Prohibittance (Date)	10/01/2014
Weight	0.036 kg

#### Safety related data

<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 %
<b>B10 value with high demand rate according to SN 31920</b>	100 000
<b>failure rate [FIT] with low demand rate according to SN 31920</b>	100 FIT

IEC 61508	
T1 value for proof test interval or service life according to IEC 61508	20 a

#### 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%)

#### Environmental footprint

Environmental Product Declaration (EPD)	Yes
Global Warming Potential [CO2 eq] total	0.787 kg
Global Warming Potential [CO2 eq] during manufacturing	0.566 kg
Global Warming Potential [CO2 eq] during operation	0.235 kg
Global Warming Potential [CO2 eq] after end of life	-0.015 kg
Siemens Eco Profile (SEP)	Siemens EcoTech

#### Installation/ mounting/ dimensions

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

#### Approvals Certificates

General Product Approval	Test Certificates
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[Confirmation](#)



[Type Test Certificates/Test Report](#)

Test Certificates	other	Environment
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[Special Test Certificate](#)

[Confirmation](#)



Siemens EcoTech



[Environmental Confirmations](#)

#### Further information

Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>  
 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)

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