

Siemens  
EcoTech



Coordinate switch, 22 mm, round, plastic, black, 4 switch positions, momentary contact type, without mechanical interlocking in O position, with holder, 1 NO, 1 NO, 1 NO, 1 NO, screw terminal



product brand name	SIRIUS ACT
product designation	Coordinate switches
design of the product	Complete unit
product type designation	3SU1
product line	Plastic, black, 22 mm
manufacturer's article number	
<ul style="list-style-type: none"> <li>• of supplied contact module at position 1</li> <li>• of supplied contact module at position 2</li> <li>• of supplied contact module at position 3</li> <li>• of supplied contact module at position 4</li> <li>• of the supplied holder</li> <li>• of the supplied actuator</li> </ul>	<a href="#">3SU1400-1AA10-1BA0</a> <a href="#">3SU1400-1AA10-1BA0</a> <a href="#">3SU1400-1AA10-1BA0</a> <a href="#">3SU1400-1AA10-1BA0</a> <a href="#">3SU1550-0BA10-0AA0</a> <a href="#">3SU1000-7AF10-0AA0</a>
<b>Enclosure</b>	
shape of the enclosure front	round
<b>Actuator</b>	
design of the actuating element	without mechanical interlock
principle of operation of the actuating element	momentary contact type
direction of actuation	horizontal / vertical
product extension optional light source	No
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 contact modules	4
number of switching positions	4
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>Holder</b>	
material of the holder	Plastic
<b>General technical data</b>	
product function positive opening	No
insulation voltage rated value	500 V
degree of pollution	3

type of voltage of the operating voltage	AC/DC
surge voltage resistance rated value	6 kV
<ul style="list-style-type: none"> <li>● protection class IP</li> <li>● protection class IP of the terminal</li> </ul>	IP65, IP67 IP20
shock resistance	
<ul style="list-style-type: none"> <li>● according to IEC 60068-2-27</li> </ul>	sinusoidal half-wave 15g / 11 ms
vibration resistance	
<ul style="list-style-type: none"> <li>● according to IEC 60068-2-6</li> </ul>	10 ... 500 Hz: 5g
operating frequency maximum	2 400 1/h
mechanical service life (operating cycles)	
<ul style="list-style-type: none"> <li>● as operating period per direction of actuation typical</li> </ul>	500 000
electrical endurance (operating cycles) typical	10 000 000
electrical endurance (operating cycles) with contactors 3RT1015 to 3RT1026 typical	10 000 000
thermal current	10 A
reference code according to IEC 81346-2	S
continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
continuous current of the quick DIAZED fuse link	10 A
continuous current of the DIAZED fuse link gG	10 A
Substance Prohibitance (Date)	10/01/2014
operating voltage	
<ul style="list-style-type: none"> <li>● at AC <ul style="list-style-type: none"> <li>— at 50 Hz rated value</li> <li>— at 60 Hz rated value</li> </ul> </li> <li>● at DC rated value</li> </ul>	5 ... 500 V 5 ... 500 V 5 ... 500 V
<b>Power Electronics</b>	
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)
<b>Auxiliary circuit</b>	
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	4
<b>Connections/ Terminals</b>	
type of electrical connection of modules and accessories	Screw-type terminal
type of connectable conductor cross-sections	
<ul style="list-style-type: none"> <li>● solid with core end processing</li> <li>● solid without core end processing</li> <li>● finely stranded with core end processing</li> <li>● finely stranded without core end processing</li> <li>● for AWG cables</li> </ul>	2x (0.5 ... 0.75 mm <sup>2</sup> ) 2x (1.0 ... 1.5 mm <sup>2</sup> ) 2x (0.5 ... 1.5 mm <sup>2</sup> ) 2x (1,0 ... 1,5 mm <sup>2</sup> ) 2x (18 ... 14)
tightening torque of the screws in the bracket	1 ... 1.2 N·m
tightening torque for auxiliary contacts with screw-type terminals	0.8 ... 1 N·m
<b>Safety related data</b>	
proportion of dangerous failures	
<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 %
B10 value with high demand rate according to SN 31920	250 000
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
<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 according to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted for all devices behind front panel)
<b>Environmental footprint</b>	
Environmental Product Declaration (EPD)	Yes
Global Warming Potential [CO <sub>2</sub> eq] total	0.787 kg
Global Warming Potential [CO <sub>2</sub> eq] during manufacturing	0.566 kg
Global Warming Potential [CO <sub>2</sub> eq] during operation	0.235 kg
Global Warming Potential [CO <sub>2</sub> eq] after end of life	-0.015 kg

Siemens Eco Profile (SEP)	Siemens EcoTech
---------------------------	-----------------

**Installation/ mounting/ dimensions**

<ul style="list-style-type: none"> <li>fastening method</li> <li>fastening method of modules and accessories</li> </ul>	<p>front plate mounting</p> <p>Front plate mounting</p>
height	40 mm
width	40 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	53.7 mm

**Approvals Certificates**

**General Product Approval**



[Confirmation](#)



General Product Approval	Test Certificates	Marine / Shipping
--------------------------	-------------------	-------------------



[Special Test Certificate](#)

[Type Test Certificates/Test Report](#)



Marine / Shipping	other	Environment
-------------------	-------	-------------



[Confirmation](#)



Siemens EcoTech



**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=3SU1100-7AF10-1QA0>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1100-7AF10-1QA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1100-7AF10-1QA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1100-7AF10-1QA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1100-7AF10-1QA0&lang=en)



