



sensor switches, compact, 22 mm, round, plastic, black, momentary contact type, with holder, Operating voltage 24 V DC, M12 connector, 4-pole

product brand name	SIRIUS ACT
product designation	Sensor switches
design of the product	Compact unit
product type designation	3SU1
product line	Plastic, black, 22 mm
<b>Enclosure</b>	
shape of the enclosure front	round
number of command points	1
<b>Actuator</b>	
principle of operation of the actuating element	capacitive
product extension optional light source	No
color of the actuating element	black
material of the actuating element	plastic
shape of the actuating element	round
outer diameter of the actuating element	53.6 mm
<b>Front ring</b>	
product component front ring	No
<b>Holder</b>	
material of the holder	Plastic
<b>General technical data</b>	
product function positive opening	No
insulation voltage rated value	32 V
degree of pollution	3
type of voltage of the operating voltage	DC
protection class IP	IP66, IP67, IP69(IP69K)
degree of protection NEMA rating	1, 2, 3, 3R, 4, 4X, 12, 13
shock resistance	
<ul style="list-style-type: none"> <li>according to IEC 60068-2-27</li> <li>for railway applications according to EN 61373</li> </ul>	sinusoidal half-wave 15g / 11 ms Category 1, Class B
vibration resistance	
<ul style="list-style-type: none"> <li>according to IEC 60068-2-6</li> <li>for railway applications according to EN 61373</li> </ul>	10 ... 500 Hz: 5g Category 1, Class B
operating frequency maximum	3 600 1/h
reference code according to IEC 81346-2	S
Substance Prohibitance (Date)	10/01/2014
operating voltage rated value	24 V
<b>Auxiliary circuit</b>	
design of the contact of auxiliary contacts	electrical
number of NC contacts for auxiliary contacts	0

number of NO contacts for auxiliary contacts	1
<b>Inputs/ Outputs</b>	
number of outputs as contact-affected switching element as NO contact for signaling function instantaneous contact	1
<b>Connections/ Terminals</b>	
type of electrical connection	M12 connector, 4-pole
tightening torque of the screws in the bracket	1 ... 1.2 N·m
<b>Lamp</b>	
type of light source	LED
<b>Safety related data</b>	
failure rate [FIT] with high demand rate according to SN 31920	213 FIT
MTTFd	1 071 y
<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>Installation/ mounting/ dimensions</b>	
fastening method <ul style="list-style-type: none"> <li>of modules and accessories</li> </ul>	Front plate mounting
height	40 mm
width	30 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	19.6 mm
installation width	53.6 mm
installation depth	34 mm
<b>Certificates/ approvals</b>	
General Product Approval	Declaration of Conformity

[Confirmation](#)



Test Certificates    other

[Type Test Certificates/Test Report](#)

[Confirmation](#)

[Environmental Confirmations](#)

#### 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=3SU1200-1SK10-2SA0>

Cax online generator

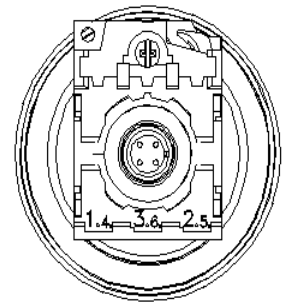
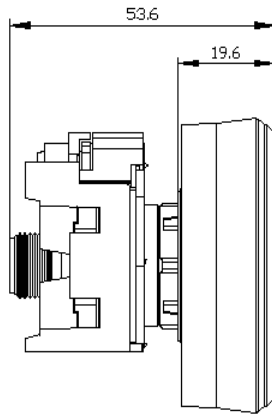
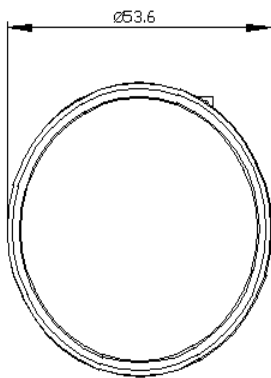
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1200-1SK10-2SA0>

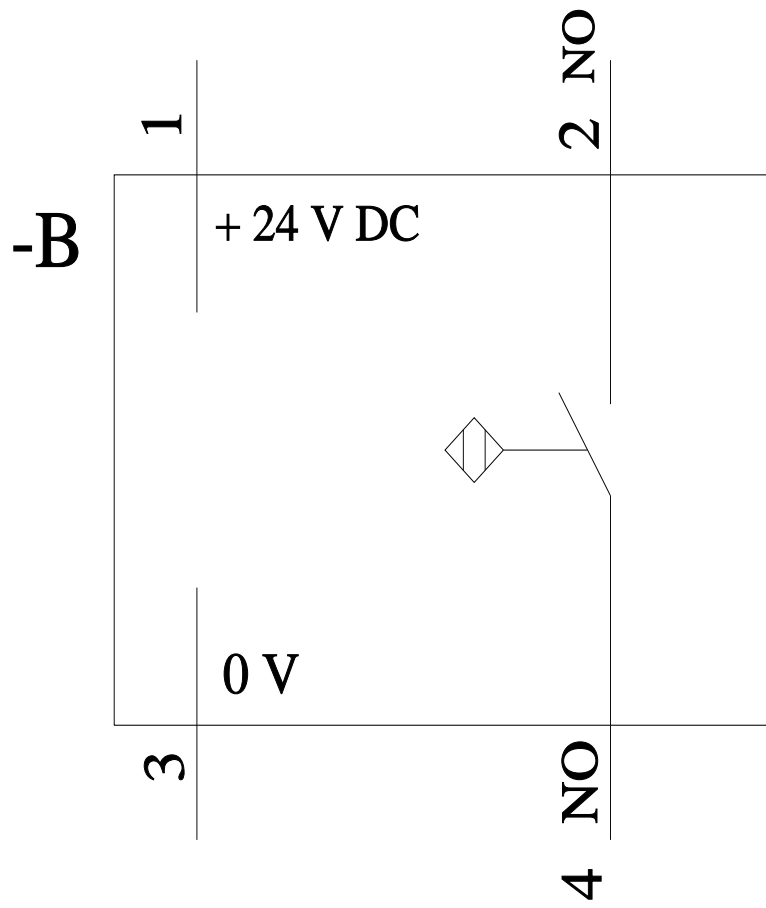
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1200-1SK10-2SA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1200-1SK10-2SA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1200-1SK10-2SA0&lang=en)





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