



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
Enclosure	
shape of the enclosure front	round
number of command points	1
Actuator	
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
Front ring	
product component front ring	No
Holder	
material of the holder	Plastic
General technical data	
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	
• acc. to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
• for railway applications acc. to DIN EN 61373	Category 1, Class B
vibration resistance	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
• for railway applications acc. to DIN EN 61373	Category 1, Class B
operating frequency maximum	3 600 1/h
reference code acc. to IEC 81346-2	S
Substance Prohibitance (Date)	01.10.2014
operating voltage rated value	24 V
Auxiliary circuit	
design of the contact of auxiliary contacts	electrical
number of NC contacts for auxiliary contacts	0

number of NO contacts for auxiliary contacts	1	
Inputs/ Outputs		
number of outputs as contact-affected switching element as NO contact for signaling function instantaneous contact	1	
Connections/ Terminals		
type of electrical connection	M12 connector, 4-pole	
tightening torque of the screws in the bracket	1 ... 1.2 N·m	
Lamp		
type of light source	LED	
Safety related data		
failure rate [FIT] with high demand rate acc. to SN 31920	213 FIT	
MTTFd	1 071 y	
Ambient conditions		
ambient temperature - during operation - during storage	-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%, no condensation in operation permitted for all devices behind front panel)	
Installation/ mounting/ dimensions		
fastening method of modules and accessories	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	
Certificates/ approvals		
General Product Approval	Declaration of Conformity	Test Certificates



[UK Declaration of Conformity](#)

[Type Test Certificates/Test Report](#)

other

[Confirmation](#)

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

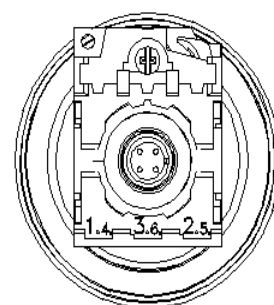
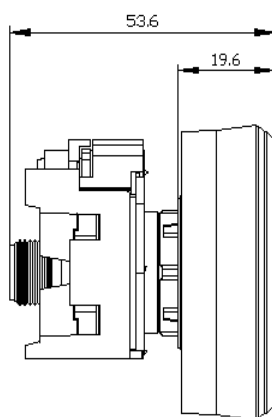
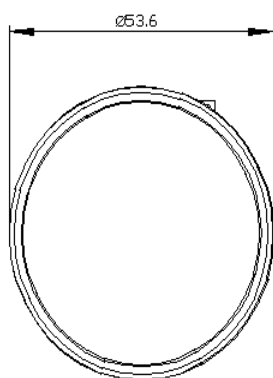
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1200-1SK10-2SA0>

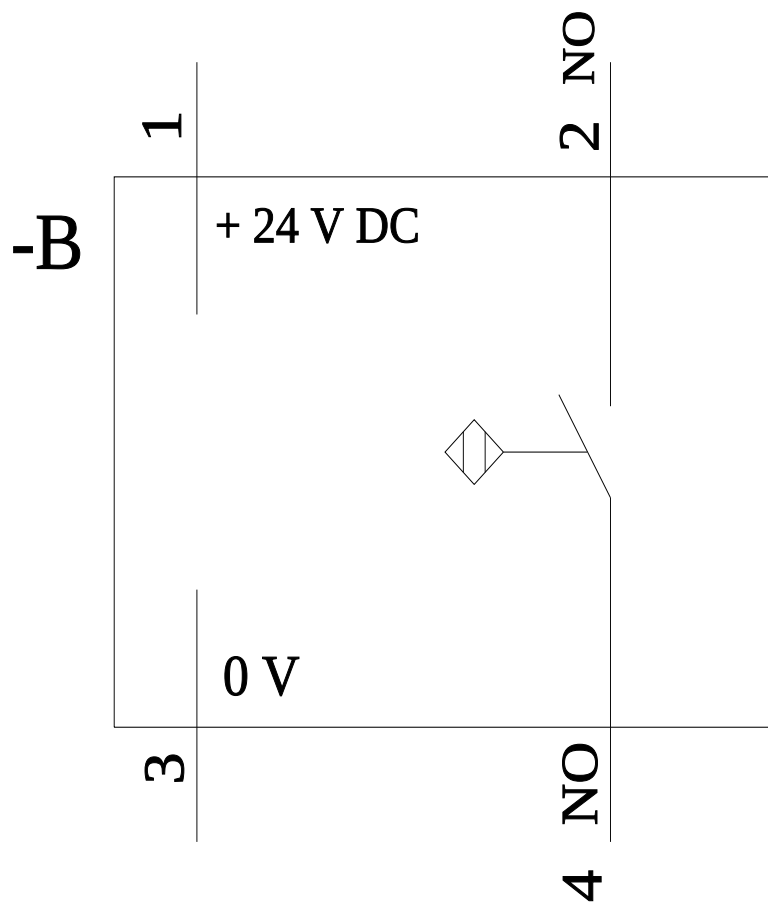
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<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





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