



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	
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
• for railway applications according to EN 61373	Category 1, Class B
vibration resistance	
• according to IEC 60068-2-6	10 ... 500 Hz: 5g
• for railway applications according to EN 61373	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
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 according to SN 31920	213 FIT
MTTFd	1 071 a
Ambient conditions	
ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-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)
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

[Confirmation](#)



Test Certificates	other	Environment
Type Test Certificates/Test Report	Confirmation	Environmental Conformations

Further information

Siemens has decided to exit the Russian market (see here).
<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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

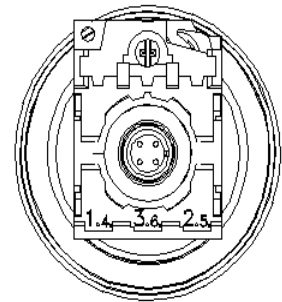
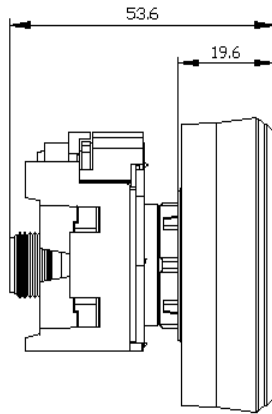
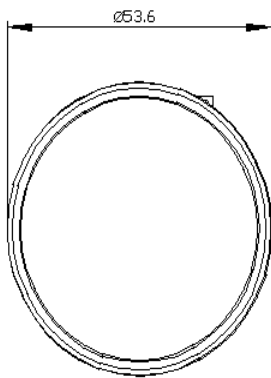
Information- and Downloadcenter (Catalogs, Brochures,...)
<https://www.siemens.com/ic10>

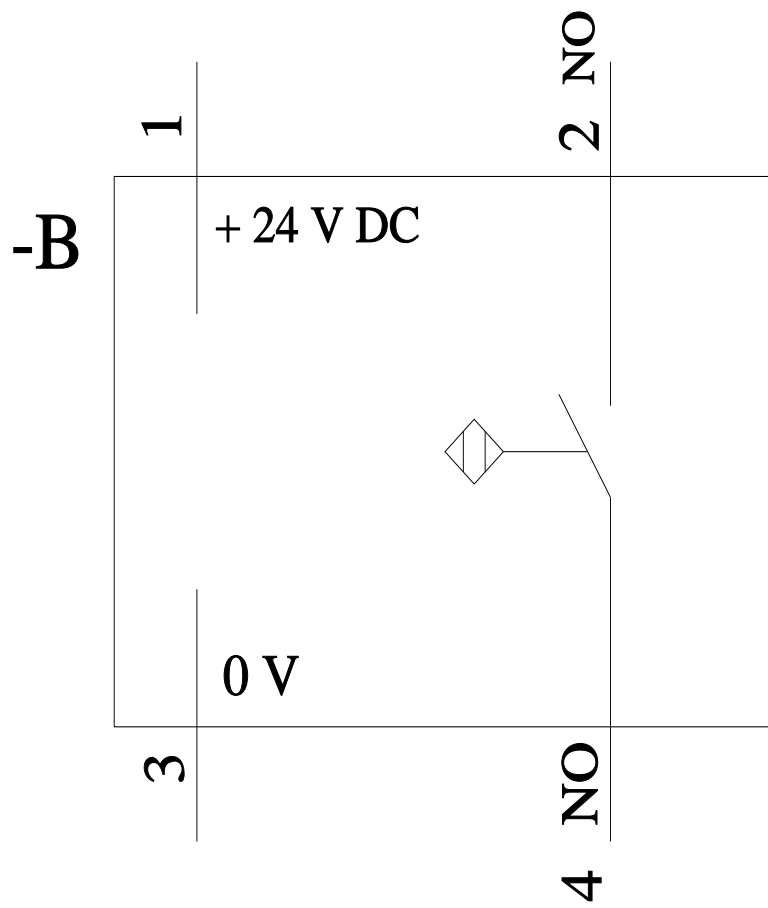
Industry Mall (Online ordering system)
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1200-1SK10-2SA0>

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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