

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	
Manner of function 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	
<ul style="list-style-type: none"> • positive opening 	No
Insulation voltage	
<ul style="list-style-type: none"> • rated value 	32 V
Degree of pollution	3
Type of voltage	
<ul style="list-style-type: none"> • 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"> • acc. to IEC 60068-2-27 • for railway applications acc. to DIN EN 61373 	Sinusoidal half-wave 50 g / 11 ms Category 1, Class B
Vibration resistance	
<ul style="list-style-type: none"> • acc. to IEC 60068-2-6 • for railway applications acc. to DIN EN 61373 	10 ... 500 Hz: 5g Category 1, Class B
Operating frequency maximum	3 600 1/h
Reference code acc. to DIN EN 81346-2	S
Reference code acc. to DIN EN 61346-2	S
Operating voltage	
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • as NO contact <ul style="list-style-type: none"> — 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	-25 ... +70 °C
• during storage	-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

Mounting type	
• 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
				Miscellaneous
TUV	UL		EG-Konf.	Type Test Certificates/Test Report

other

[Confirmation](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

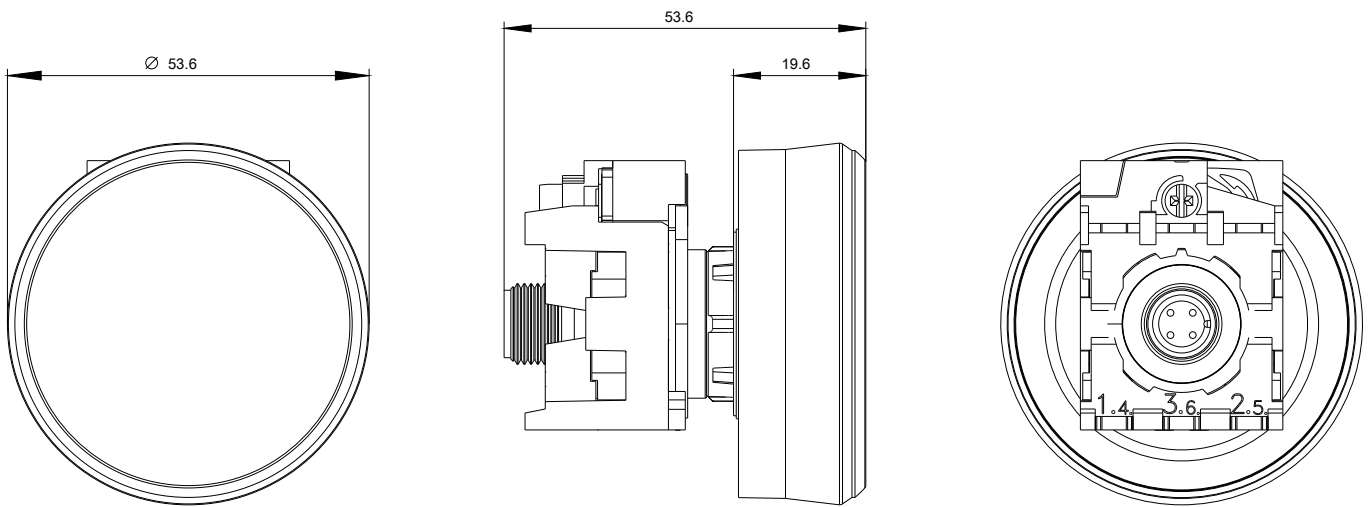
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1200-1SK10-2SA0>

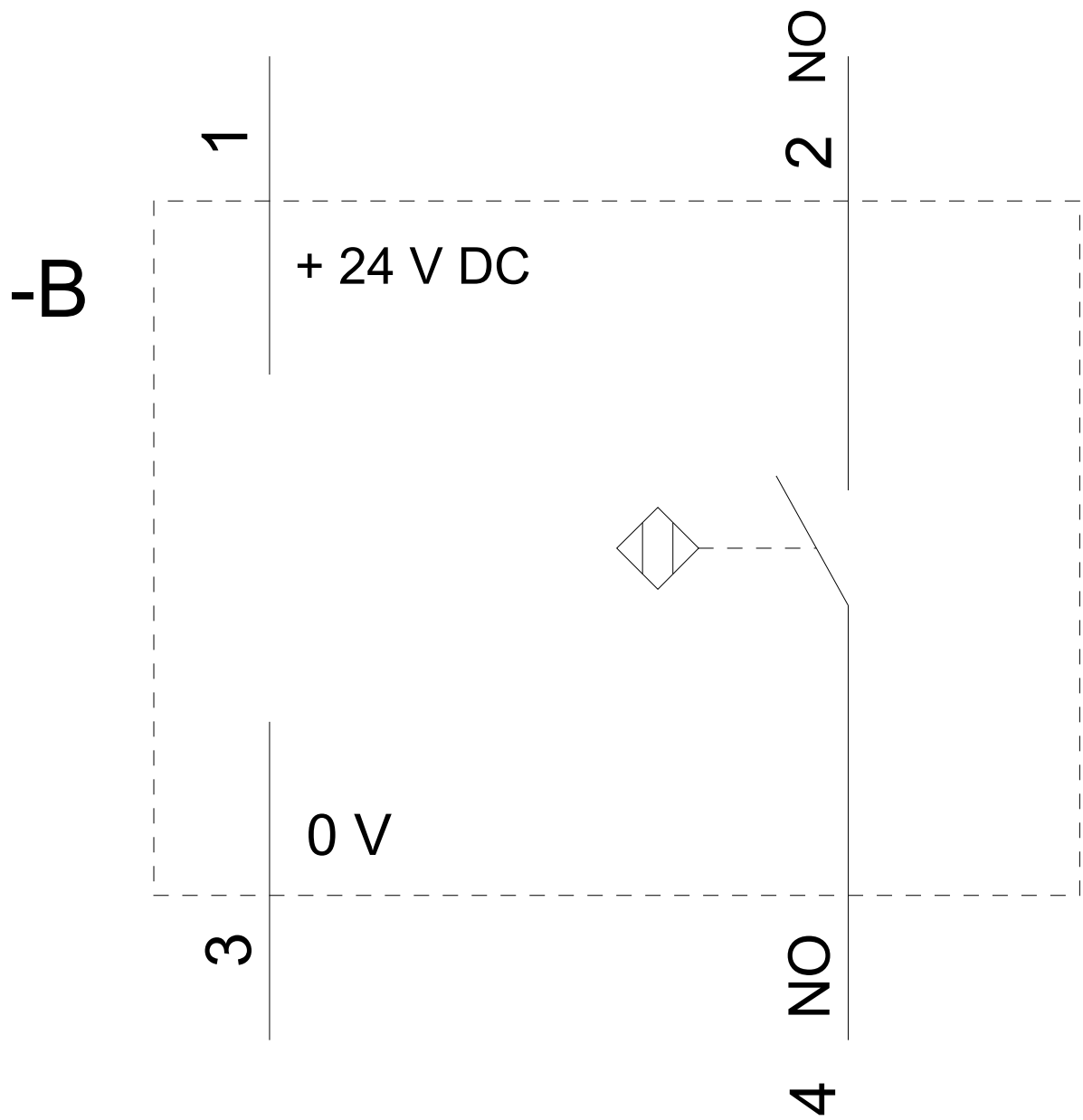
Cax online generator

<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>





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