

Potentiometer, compact, 22 mm, round, plastic, black, 47k ohm, with holder, screw terminal, with laser labeling, lower case



Product brand name	SIRIUS ACT
Product designation	Potentiometers
Design of the product	Compact unit
Product type designation	3SU1
Product line	Plastic, black, 22 mm
Manufacturer's article number	
• of the supplied holder	3SU1500-0AA10-0AA0





Enclosure	
Number of command points	1

Actuator	
Design of the operating mechanism	Rotary knob
Manner of function of the actuating element	Infinitely variable adjustment, angle of rotation 280°
Color	
• of the actuating element	black
Material of the actuating element	plastic
Shape of the actuating element	round
Outer diameter of the actuating element	30 mm
Marking of the actuating element	Any inscription, text in lower case
Maximum deflection angle [°]	280°

Front ring	
Product component front ring	No
Holder	
Material of the holder	Plastic
General technical data	
Insulation voltage	
• rated value	500 V
Degree of pollution	3
Protection class IP	IP66, IP67, IP69(IP69K)
• of the terminal	IP20
Degree of protection NEMA rating	NEMA 1, 2, 3, 3R, 4, 4X, 12, 13
Shock resistance	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50 g / 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
Mechanical service life (switching cycles)	
• typical	25 000
Reference code acc. to DIN EN 81346-2	S
Reference code acc. to DIN EN 61346-2	S
Connections/ Terminals	
Type of electrical connection	screw-type terminals
Type of connectable conductor cross-sections	
• solid with core end processing	2x (0.5 ... 0.75 mm ²)
• solid without core end processing	2x (1.0 ... 1.5 mm ²)
• finely stranded with core end processing	2x (0.5 ... 1.5 mm ²)
• finely stranded without core end processing	2x (1,0 ... 1,5 mm ²)
• at AWG conductors	2x (18 ... 14)
Tightening torque of the screws in the bracket	1 ... 1.2 N·m
Tightening torque	
• with screw-type terminals	0.8 ... 1 N·m
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	

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	19.4 mm
Installation width	30 mm
Installation depth	46 mm

Certificates/ approvals

General Product Approval		Declaration of Conformity	Test Certificates
			
CSA	UL	EG-Konf.	

[Miscellaneous](#)

[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=3SU1200-2PT10-1AA0-Z Y12>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1200-2PT10-1AA0-Z Y12>

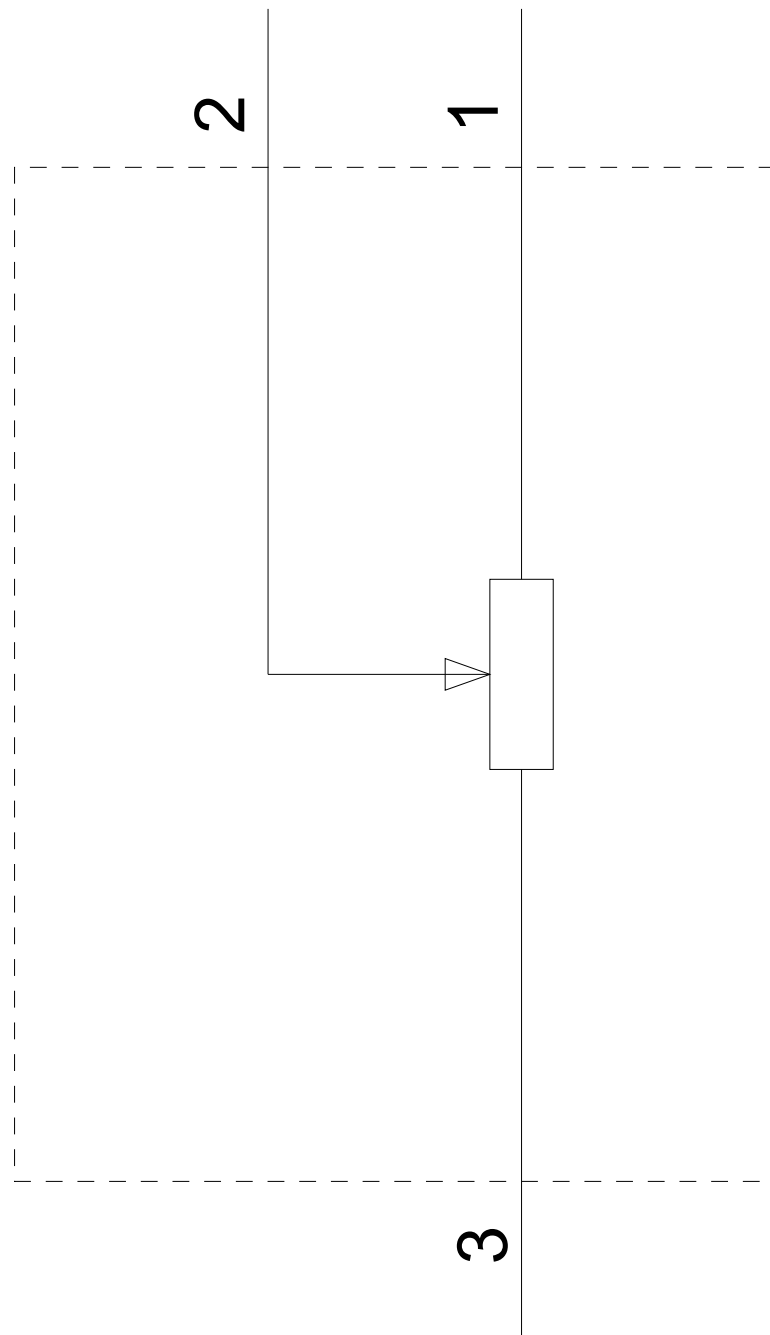
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1200-2PT10-1AA0-Z Y12>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1200-2PT10-1AA0-Z Y12&lang=en

$-R$
47 kOhm



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