

Potentiometer, compact, 22 mm, round, plastic, black, 47k ohm, with holder, screw terminal, with laser labeling, upper 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	
<ul style="list-style-type: none"> of the supplied holder 	3SU1500-0AA10-0AA0

Enclosure

Number of command points	1
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Actuator

Design of the operating mechanism	Rotary knob
Manner of function of the actuating element	Infinitely variable adjustment, angle of rotation 280°
Color	
<ul style="list-style-type: none"> 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 upper case
Maximum deflection angle [°]	280°

Front ring

Product component front ring	No
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Holder

Material of the holder	Plastic
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General technical data

Insulation voltage	
<ul style="list-style-type: none"> rated value 	500 V
Degree of pollution	3
Protection class IP	IP66, IP67, IP69(IP69K)
<ul style="list-style-type: none"> of the terminal 	IP20
Degree of protection NEMA rating	NEMA 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
Mechanical service life (switching cycles) <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • solid with core end processing • solid without core end processing • finely stranded with core end processing • finely stranded without core end processing • at AWG conductors 	2x (0.5 ... 0.75 mm ²) 2x (1.0 ... 1.5 mm ²) 2x (0.5 ... 1.5 mm ²) 2x (1,0 ... 1,5 mm ²) 2x (18 ... 14)
Tightening torque of the screws in the bracket	1 ... 1.2 N·m
Tightening torque <ul style="list-style-type: none"> • with screw-type terminals 	0.8 ... 1 N·m

Ambient conditions

Ambient temperature <ul style="list-style-type: none"> • 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

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
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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?mfb=5SL6206-6 Y11>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=5SL6206-6 Y11>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SL6206-6 Y11>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=5SL6206-6 Y11&lang=en

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