



Potentiometer, compact, 22 mm, round, plastic, black, 47k ohm, with holder, screw terminal, Z=50-unit packaging

<b>product brand name</b>	SIRIUS ACT
<b>product designation</b>	Potentiometers
<b>design of the product</b>	Compact unit
<b>product type designation</b>	3SU1
<b>product line</b>	Plastic, black, 22 mm
manufacturer's article number of the supplied holder	<a href="#">3SU1550-0AA10-0AA0</a>
<b>Enclosure</b>	
<b>number of command points</b>	1
<b>Actuator</b>	
<b>design of the actuating element</b>	Rotary knob
<b>principle of operation of the actuating element</b>	Infinitely variable adjustment, angle of rotation 280°
color of the actuating element	black
<b>material of the actuating element</b>	plastic
<b>shape of the actuating element</b>	round
<b>outer diameter of the actuating element</b>	30 mm
<b>Maximum deflection angle [°]</b>	280°
<b>Front ring</b>	
<b>product component front ring</b>	No
<b>Holder</b>	
<b>material of the holder</b>	Plastic
<b>General technical data</b>	
insulation voltage rated value	500 V
<b>degree of pollution</b>	3
<b>protection class IP</b>	IP66, IP67, IP69(IP69K)
• of the terminal	IP20, clamping screw tightened
<b>degree of protection NEMA rating</b>	1, 2, 3, 3R, 4, 4X, 12, 13
<b>shock resistance</b>	
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
• for railway applications according to EN 61373	Category 1, Class B
<b>vibration resistance</b>	
• according to IEC 60068-2-6	10 ... 500 Hz: 5g
• for railway applications according to EN 61373	Category 1, Class B
mechanical service life (switching cycles) typical	25 000
<b>reference code according to IEC 81346-2</b>	S
<b>Substance Prohibitance (Date)</b>	10/01/2014
<b>Connections/ Terminals</b>	
<b>type of electrical connection</b>	screw-type terminals
<b>type of connectable conductor cross-sections</b>	
• solid with core end processing	2x (0.5 ... 0.75 mm <sup>2</sup> )

<ul style="list-style-type: none"> <li>● solid without core end processing</li> <li>● finely stranded with core end processing</li> <li>● finely stranded without core end processing</li> <li>● at AWG cables</li> </ul>	2x (1.0 ... 1.5 mm <sup>2</sup> ) 2x (0.5 ... 1.5 mm <sup>2</sup> ) 2x (1.0 ... 1.5 mm <sup>2</sup> ) 2x (18 ... 14)
<b>tightening torque of the screws in the bracket</b>	1 ... 1.2 N·m
tightening torque with screw-type terminals	0.8 ... 1 N·m

#### Ambient conditions

<b>ambient temperature</b>	
<ul style="list-style-type: none"> <li>● during operation</li> <li>● during storage</li> </ul>	-25 ... +70 °C -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

<b>height</b>	40 mm
<b>width</b>	30 mm
<b>shape of the installation opening</b>	round
<b>mounting diameter</b>	22.3 mm
<b>positive tolerance of installation diameter</b>	0.4 mm
<b>mounting height</b>	19.4 mm
<b>installation width</b>	30 mm
<b>installation depth</b>	46 mm

#### Certificates/ approvals

#### 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 X90>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1200-2PT10-1AA0-Z X90>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1200-2PT10-1AA0-Z X90>

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 X90&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1200-2PT10-1AA0-Z X90&lang=en)

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