



Potentiometer, compact, 22 mm, round, plastic, black, 47k ohm, with holder, screw terminal

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	<a href="#">3SU1550-0AA10-0AA0</a>
<b>Enclosure</b>	
number of command points	1
<b>Actuator</b>	
design of the actuating element	Rotary knob
principle of operation 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
Maximum deflection angle [°]	280°
<b>Front ring</b>	
product component front ring	No
<b>Holder</b>	
material of the holder	Plastic
<b>General technical data</b>	
consumed active power	1 W
insulation voltage rated value	500 V
degree of pollution	3
protection class IP	IP66, IP67, IP69(IP69K)
protection class IP of the terminal	IP20, clamping screw tightened
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
mechanical service life (operating cycles) typical	25 000
reference code according to IEC 81346-2	S
Substance Prohibitance (Date)	01/01/2016
Weight	68 g
<b>Connections/ Terminals</b>	
type of electrical connection	screw terminal
type of connectable conductor cross-sections	

• solid with core end processing	2x (0.5 ... 0.75 mm <sup>2</sup> )
• solid without core end processing	2x (1.0 ... 1.5 mm <sup>2</sup> )
• finely stranded with core end processing	2x (0.5 ... 1.5 mm <sup>2</sup> )
• finely stranded without core end processing	2x (1.0 ... 1.5 mm <sup>2</sup> )
• for AWG cables	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>	
• 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)

#### Environmental footprint

Environmental Product Declaration (EPD)	Yes
global warming potential [CO <sub>2</sub> eq] total	0.787 kg
global warming potential [CO <sub>2</sub> eq] during manufacturing	0.566 kg
global warming potential [CO <sub>2</sub> eq] during operation	0.235 kg
global warming potential [CO <sub>2</sub> eq] after end of life	-0.015 kg

#### 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

#### Approvals Certificates

General Product Approval	Test Certificates
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[Confirmation](#)



[Type Test Certificates/Test Report](#)

other	Environment
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[Confirmation](#)



Siemens  
EcoTech



[Environmental Confirmations](#)

#### Further information

##### 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=3SU1200-2PT10-1AA0>

##### Cax online generator

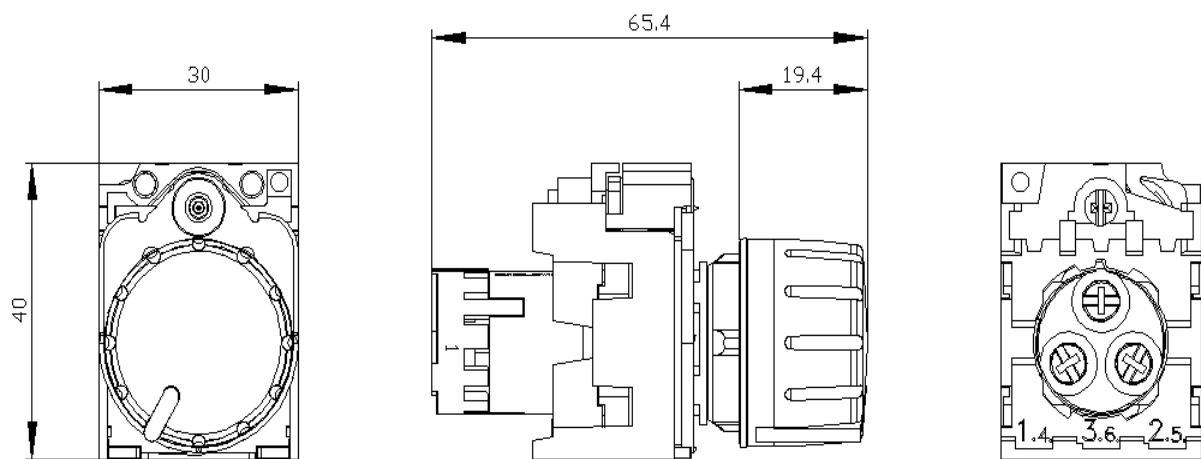
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1200-2PT10-1AA0>

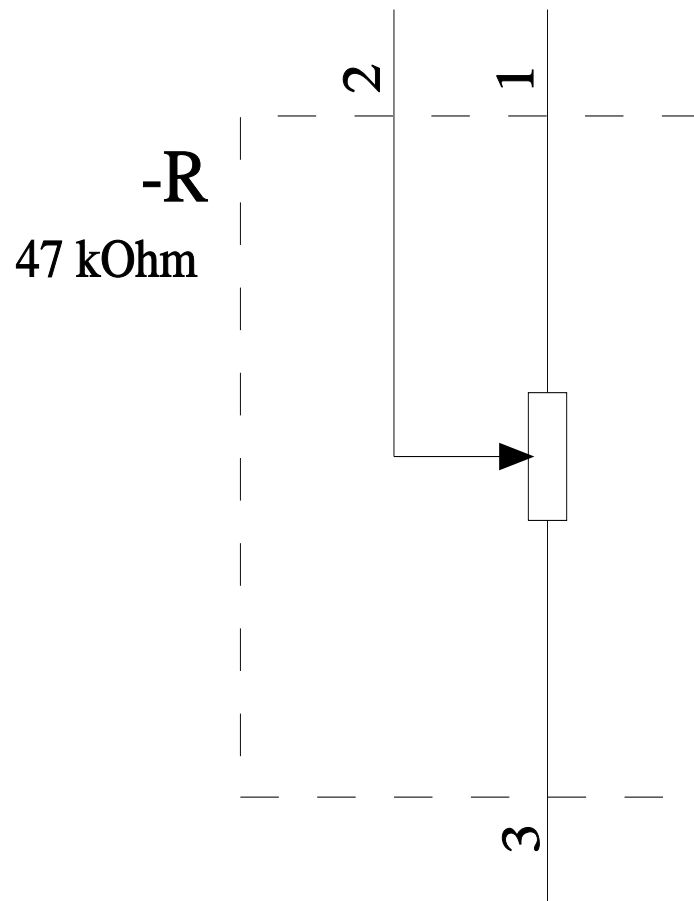
##### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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

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





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