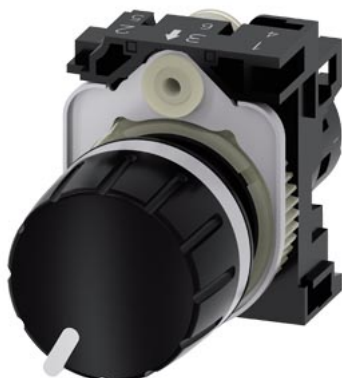


Siemens  
EcoTech



Potentiometer, compact, 22 mm, round, plastic, black, 470k 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

<b>Net Weight</b>	69 g
<b>Connections/ Terminals</b>	
<b>type of electrical connection</b>	screw terminal
<b>type of connectable conductor cross-sections</b>	
• 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

<b>Ambient conditions</b>	
<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)

<b>Environmental footprint</b>	
Environmental Product Declaration (EPD)	Yes
global warming potential [CO2 eq] total	0.787 kg
global warming potential [CO2 eq] during manufacturing	0.566 kg
global warming potential [CO2 eq] during operation	0.235 kg
global warming potential [CO2 eq] after end of life	-0.015 kg

<b>Installation/ mounting/ dimensions</b>	
<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

<b>Approvals Certificates</b>		
<b>General Product Approval</b>	<b>Test Certificates</b>	<b>Maritime application</b>



[Type Test Certificates/Test Report](#)



<b>Maritime application</b>	<b>other</b>	<b>Environment</b>
-----------------------------	--------------	--------------------



[Confirmation](#)



<b>Environment</b>
--------------------



[Environmental Confirmations](#)

<b>Further information</b>
----------------------------

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3SU1200-2PV10-1AA0>

Cax online generator

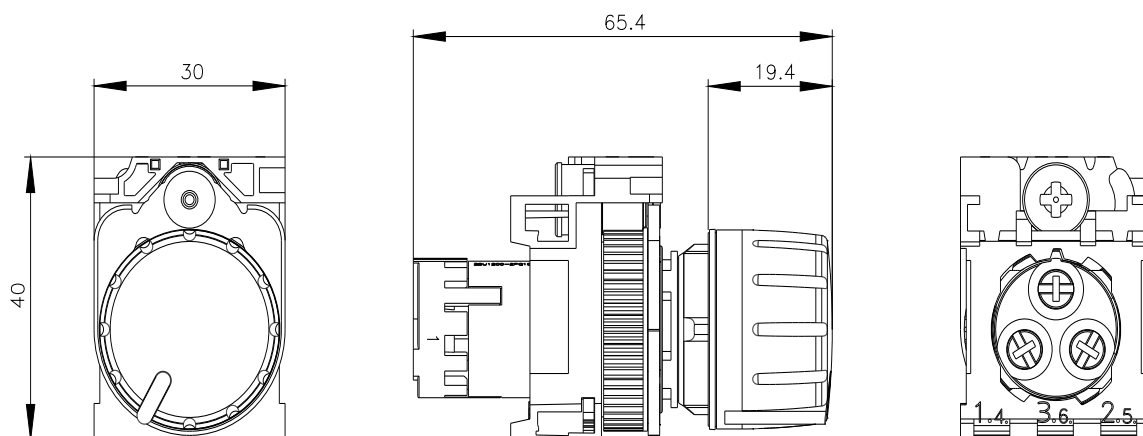
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1200-2PV10-1AA0>

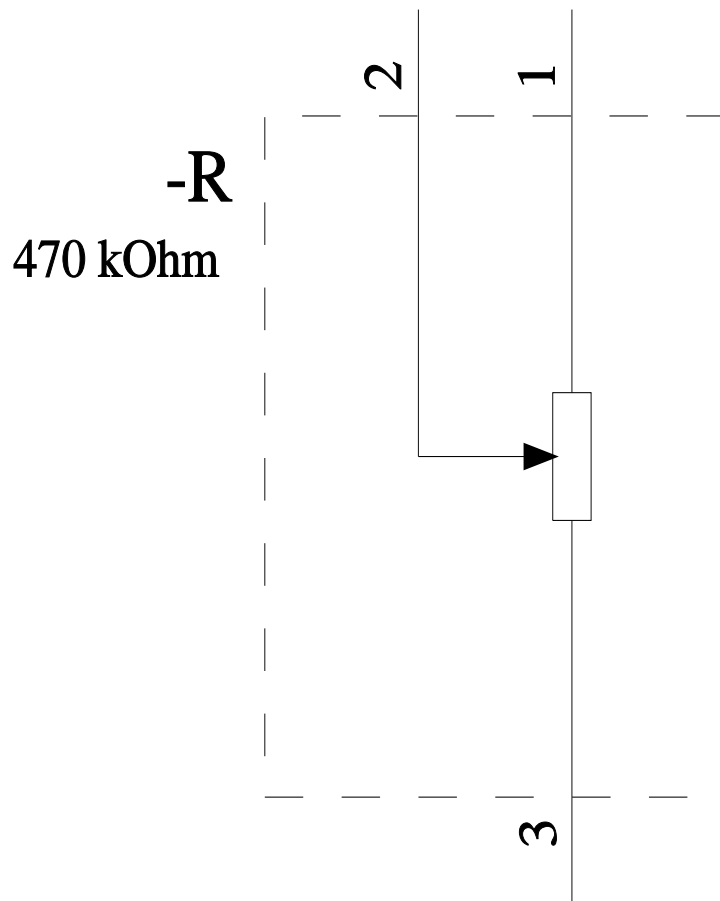
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1200-2PV10-1AA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1200-2PV10-1AA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1200-2PV10-1AA0&lang=en)





last modified:

4/2/2025 