

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	3SU1550-0AA10-0AA0

Enclosure

number of command points	1
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Actuator

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°

Front ring

product component front ring	No
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Holder

material of the holder	Plastic
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General technical data

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

Net Weight	69 g			
Connections/ Terminals				
type of electrical connection	screw terminal			
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)			
• for AWG cables	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 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 ₂ eq] total	0.787 kg			
global warming potential [CO ₂ eq] during manufacturing	0.566 kg			
global warming potential [CO ₂ eq] during operation	0.235 kg			
global warming potential [CO ₂ 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	Maritime application		
 EG-Konf.		 US		Type Test Certificates/Test Report 
Maritime application	other	Environment		
 LRS	 PRIS	 RINA	 产品合格 QC PASS	Confirmation 
Environment				
	Environmental Confirmations			
Further information				
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

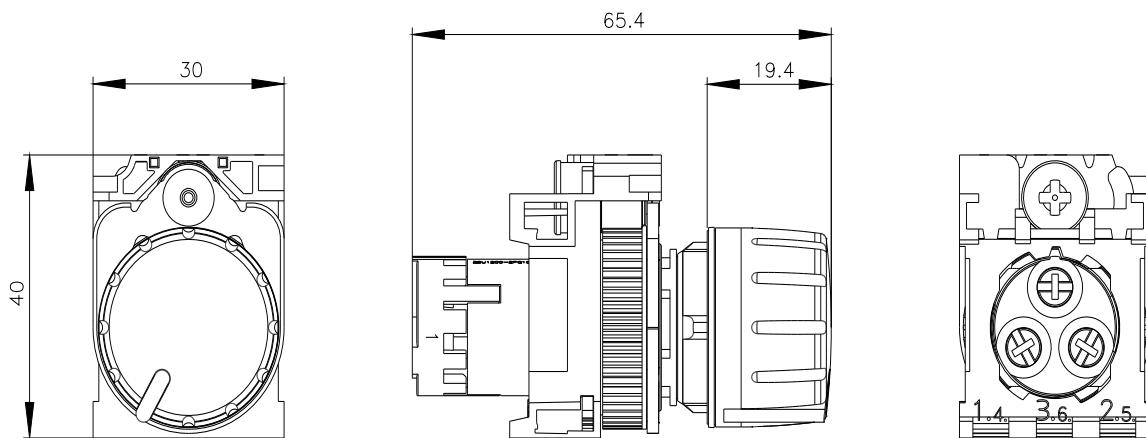
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1200-2PV10-1AA0>

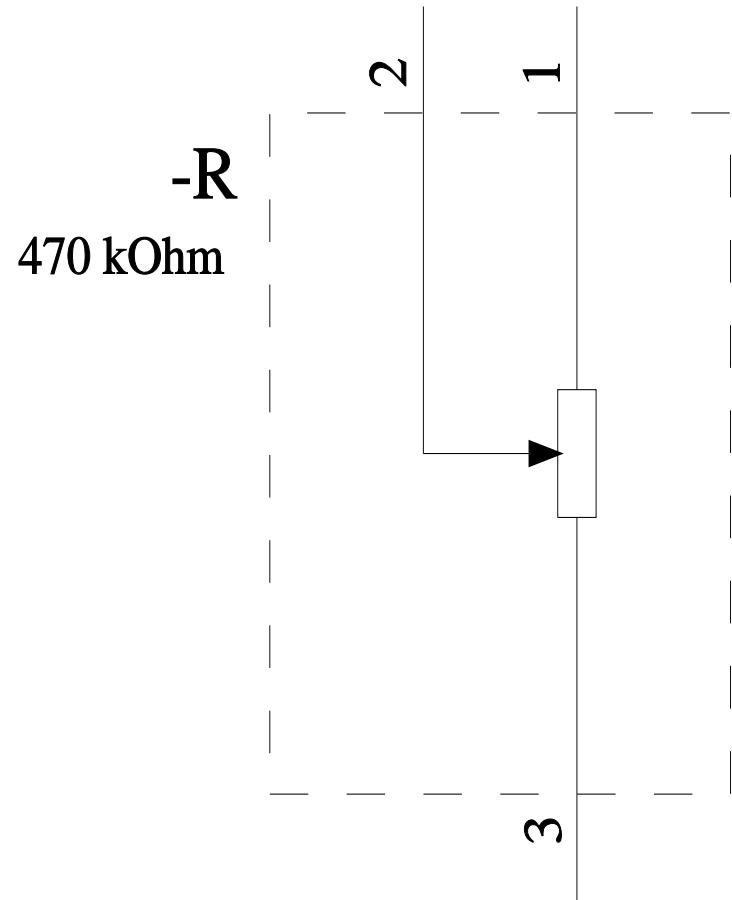
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<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





last modified:

4/2/2025