

Siemens
EcoTech



Potentiometer, compact, 22 mm, round, plastic, black, 4.7k 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	67 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)				
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					
Environmental Product Declaration					
• 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	-0.0145 kg				
• global warming potential [CO ₂ eq] / total	0.787 kg				
Environment					
General Product Approval					
					
General Product Approval	Test Certificates	Maritime application			
	Type Test Certificates/Test Report				
other					
	Confirmation				

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=3SU1200-2PR10-1AA0>

Cax online generator

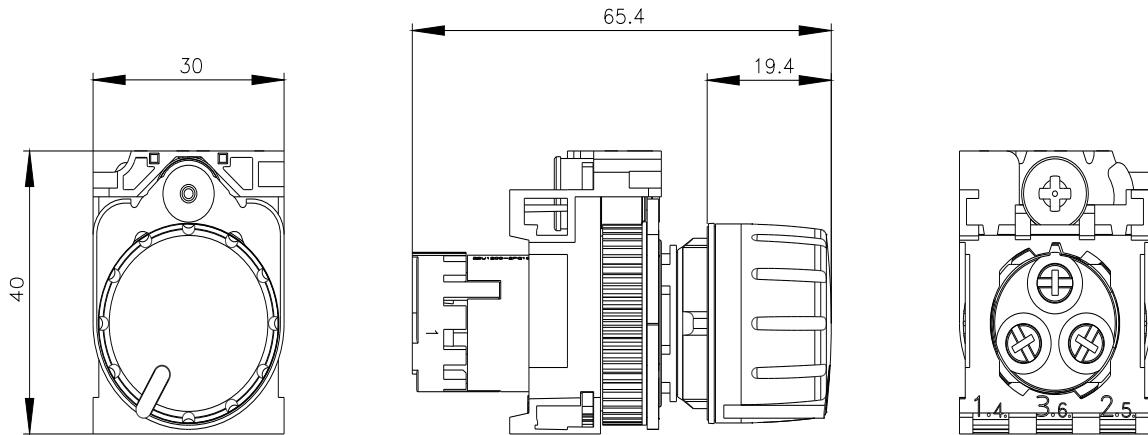
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1200-2PR10-1AA0>

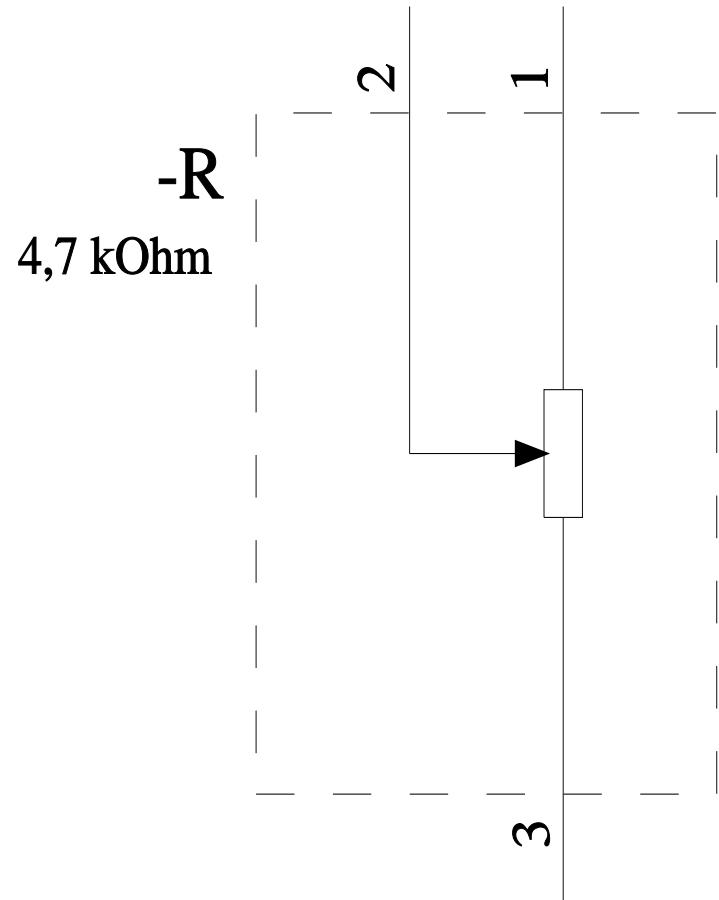
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1200-2PR10-1AA0>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1200-2PR10-1AA0&lang=en





last modified:

4/2/2025