SIEMENS

Data sheet 3SU1200-2PR10-1AA0

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	3SU1500-0AA10-0AA0

Enclosure	
Number of command points	1

Actuator	
Design of the operating mechanism	Rotary knob
Manner of function 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°

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Front ring	
Product component front ring	No

Holder	
Material of the holder	Plastic

General technical data	
Insulation voltage	
• rated value	500 V
Degree of pollution	3
Protection class IP	IP66, IP67, IP69(IP69K)
• of the terminal	IP20
Degree of protection NEMA rating	NEMA 1, 2, 3, 3R, 4, 4X, 12, 13
Shock resistance	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 50 g / 11 ms
• for railway applications acc. to DIN EN 61373	Category 1, Class B
Vibration resistance	
• acc. to IEC 60068-2-6	10 ... 500 Hz: 5g
• for railway applications acc. to DIN EN 61373	Category 1, Class B
Mechanical service life (switching cycles)	
• typical	25 000
Reference code acc. to DIN EN 81346-2	S
Reference code acc. to DIN EN 61346-2	S

Connections/ Terminals	
Type of electrical connection	screw-type terminals
Type of connectable conductor cross-sections	
• solid with core end processing	2x (0.5 ... 0.75 mm²)
• solid without core end processing	2x (1.0 ... 1.5 mm²)
• finely stranded with core end processing	2x (0.5 ... 1.5 mm²)
• finely stranded without core end processing	2x (1,0 ... 1,5 mm²)
• at AWG conductors	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 acc. 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

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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

Certificates/ approvals

General Product Approval			Declaration of Conformity		Test Certificates
CSA	UL	EAC	EG-Konf.	Miscellaneous	Type Test Certificates/Test Report

other

Confirmation

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
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
http://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, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1200-2PR10-1AA0&lang=en

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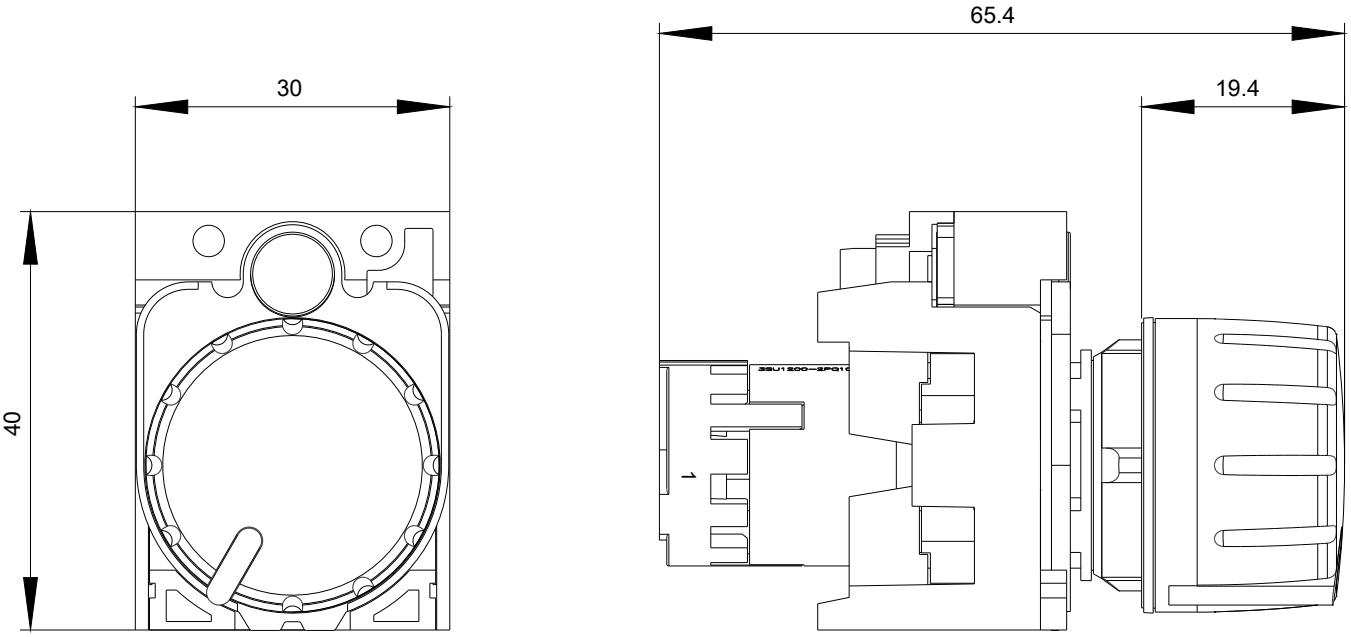

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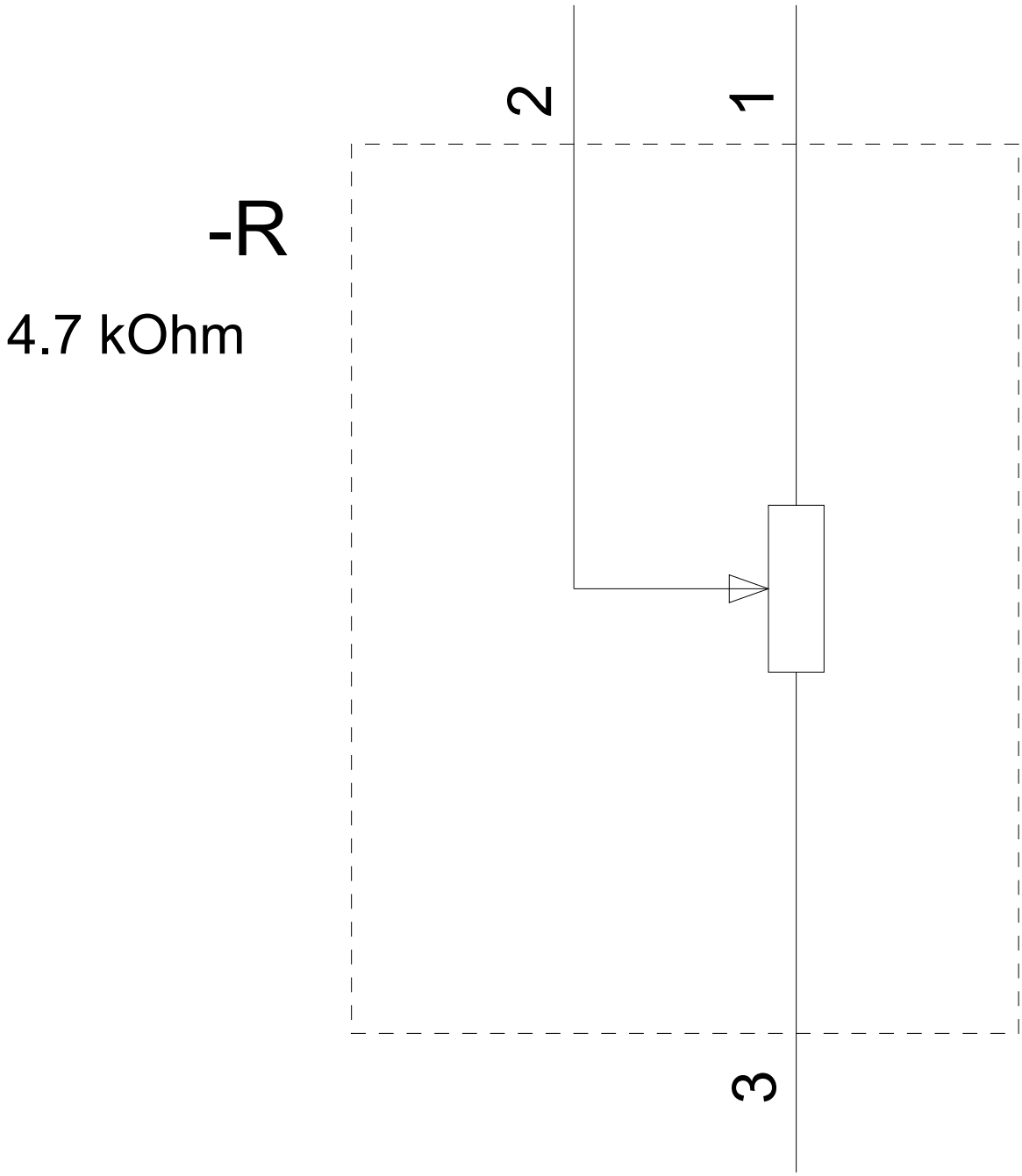

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