# 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 | 3SU1550-0AA10-0AA0 |
| **Enclosure** | |
| **number of command points** | 1 |
| **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 |
| **Holder** | |
| **material of the holder** | Plastic |
| **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 |
| **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 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) |
| ● 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 [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 |

| 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 |
|---|---|
| CE EG-Konf.    UK CA    [Confirmation]    c(UL)us    EAC | [Type Test Certificates/Test Report] |

| other | Environment |
|---|---|
| [Confirmation] | EPD    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=3SU1200-2PR10-1AA0
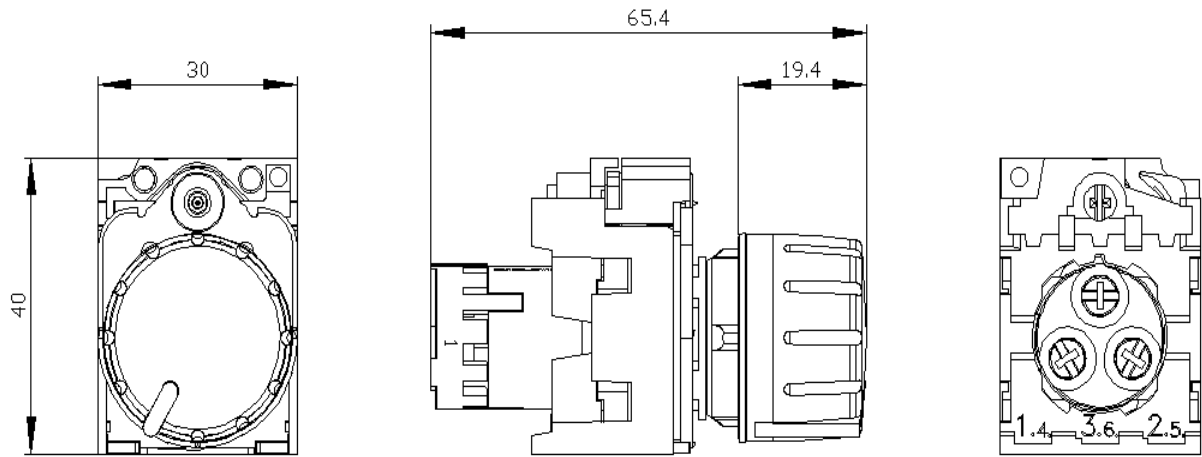**Cax online generator**
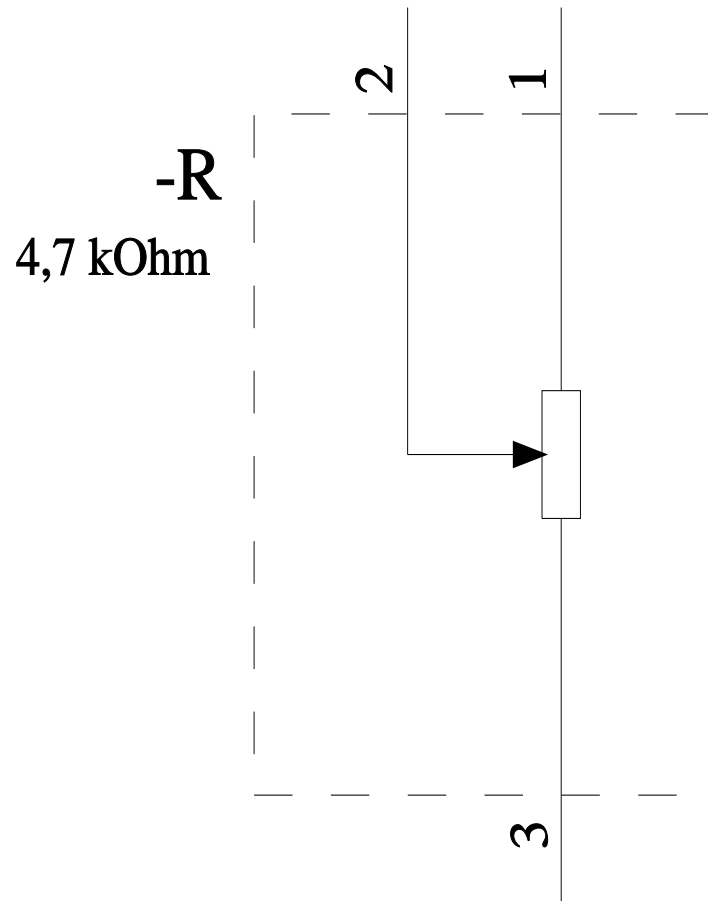http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1200-2PR10-1AA0
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3SU1200-2PR10-1AA0
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1200-2PR10-1AA0&lang=en

30

40

65,4

19,4

1,4    3,6    2,5

2/25/2025

-R

4,7 kOhm

2

1

3

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