SIEMENS

## Data sheet 3SU1200-2PR10-1AA0-Z Y10



Potentiometer, compact, 22 mm, round, plastic, black, 4.7k ohm, with holder, screw terminal, with laser labeling, upper case and lower case, always upper case at beginning of line

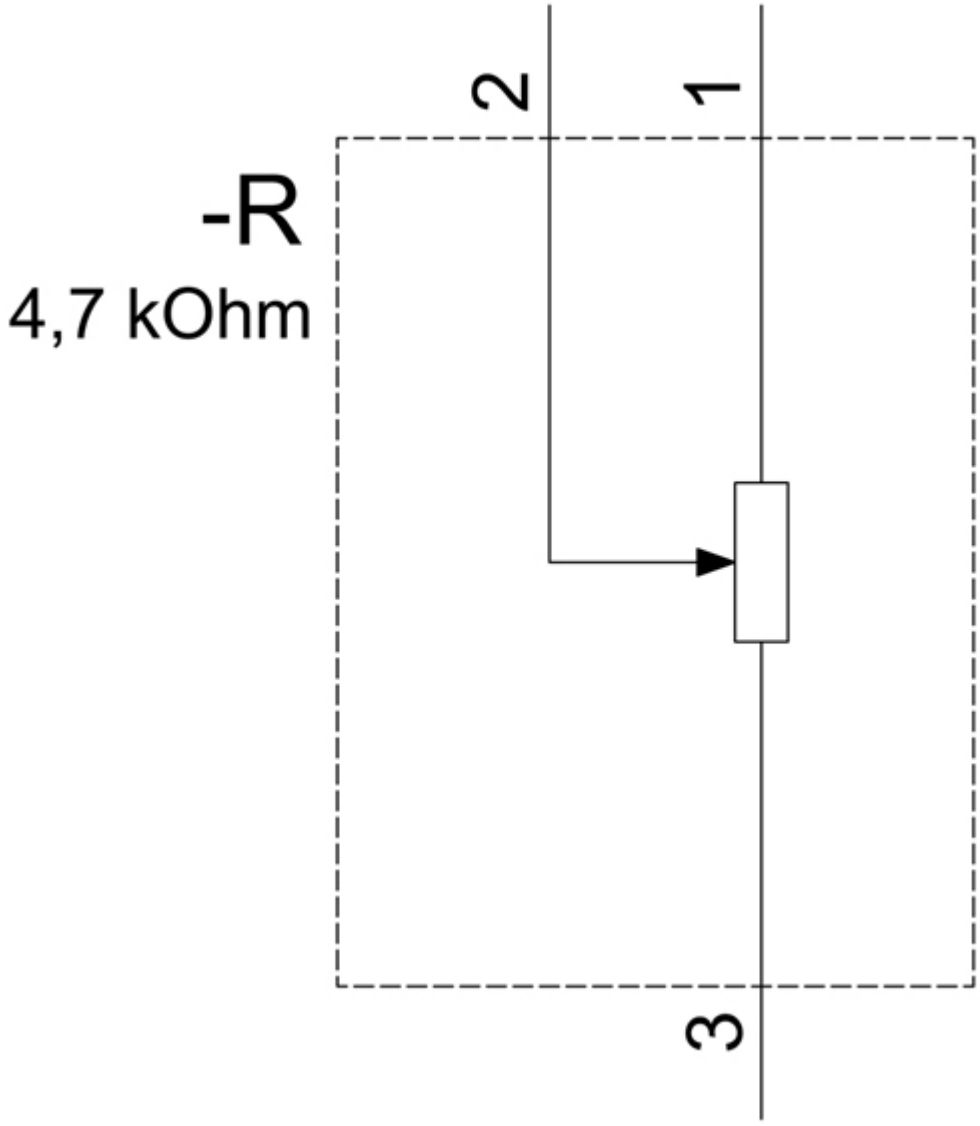
| | |
|---|---|
| **product brand name** | SIRIUS ACT |
| **product designation** | Potentiometers |
| **design of the product** | Compact unit |
| **product type designation** | 3SU1 |
| **product line** | Plastic, black, 22 mm |
| manufacturer's article number of the supplied holder | 3SU1500-0AA10-0AA0 |
| **Enclosure** | |
| **number of command points** | 1 |
| **Actuator** | |
| **design of the 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 |
| **marking of the actuating element** | Any inscription, text in upper/lower case, every line begins with upper case letter |
| **Maximum deflection angle [°]** | 280° |
| **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, clamping screw tightened |
| **degree of protection NEMA rating** | 1, 2, 3, 3R, 4, 4X, 12, 13 |
| **shock resistance** | |
| ● acc. to IEC 60068-2-27 | Sinusoidal half-wave 50g / 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 IEC 81346-2** | S |
| **Connections/ Terminals** | |


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| | |
|---|---|
| **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 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 |
| ● ambient temperature 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 |
| **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** | |
| **Further information** | |

**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-Z Y10
**Cax online generator**
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1200-2PR10-1AA0-Z Y10
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3SU1200-2PR10-1AA0-Z Y10
**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-Z Y10&lang=en


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