



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 | <a href="#">3SU1550-0AA10-0AA0</a>                     |
| <b>Enclosure</b>                                     |                                                        |
| number of command points                             | 1                                                      |
| <b>Actuator</b>                                      |                                                        |
| 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°                                                   |
| <b>Front ring</b>                                    |                                                        |
| product component front ring                         | No                                                     |
| <b>Holder</b>                                        |                                                        |
| material of the holder                               | Plastic                                                |
| <b>General technical data</b>                        |                                                        |
| 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                                                   |
| <b>Connections/ Terminals</b>                        |                                                        |
| type of electrical connection                        | screw terminal                                         |
| type of connectable conductor cross-sections         |                                                        |

|                                                       |                                    |
|-------------------------------------------------------|------------------------------------|
| • solid with core end processing                      | 2x (0.5 ... 0.75 mm <sup>2</sup> ) |
| • solid without core end processing                   | 2x (1.0 ... 1.5 mm <sup>2</sup> )  |
| • finely stranded with core end processing            | 2x (0.5 ... 1.5 mm <sup>2</sup> )  |
| • finely stranded without core end processing         | 2x (1.0 ... 1.5 mm <sup>2</sup> )  |
| • for AWG cables                                      | 2x (18 ... 14)                     |
| <b>tightening torque of the screws in the bracket</b> | 1 ... 1.2 N·m                      |
| tightening torque with screw-type terminals           | 0.8 ... 1 N·m                      |

#### Ambient conditions

|                                                                |                                                                                                                                               |
|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ambient temperature</b>                                     |                                                                                                                                               |
| • 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 <sub>2</sub> eq] total                | 0.787 kg  |
| Global Warming Potential [CO <sub>2</sub> eq] during manufacturing | 0.566 kg  |
| Global Warming Potential [CO <sub>2</sub> eq] during operation     | 0.235 kg  |
| Global Warming Potential [CO <sub>2</sub> eq] after end of life    | -0.015 kg |

#### Installation/ mounting/ dimensions

|                                                    |         |
|----------------------------------------------------|---------|
| <b>height</b>                                      | 40 mm   |
| <b>width</b>                                       | 30 mm   |
| <b>shape of the installation opening</b>           | round   |
| <b>mounting diameter</b>                           | 22.3 mm |
| <b>positive tolerance of installation diameter</b> | 0.4 mm  |
| <b>mounting height</b>                             | 19.4 mm |
| <b>installation width</b>                          | 30 mm   |
| <b>installation depth</b>                          | 46 mm   |

#### Approvals Certificates

|                          |                   |
|--------------------------|-------------------|
| General Product Approval | Test Certificates |
|--------------------------|-------------------|



[Confirmation](#)



[Type Test Certificates/Test Report](#)

|       |             |
|-------|-------------|
| other | Environment |
|-------|-------------|

[Confirmation](#)



Siemens  
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[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

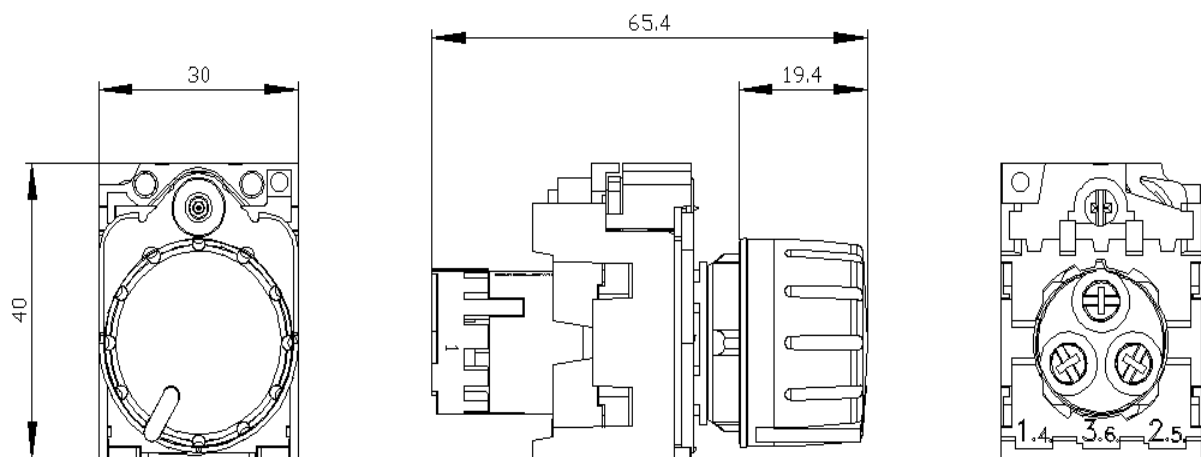
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1200-2PR10-1AA0>

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

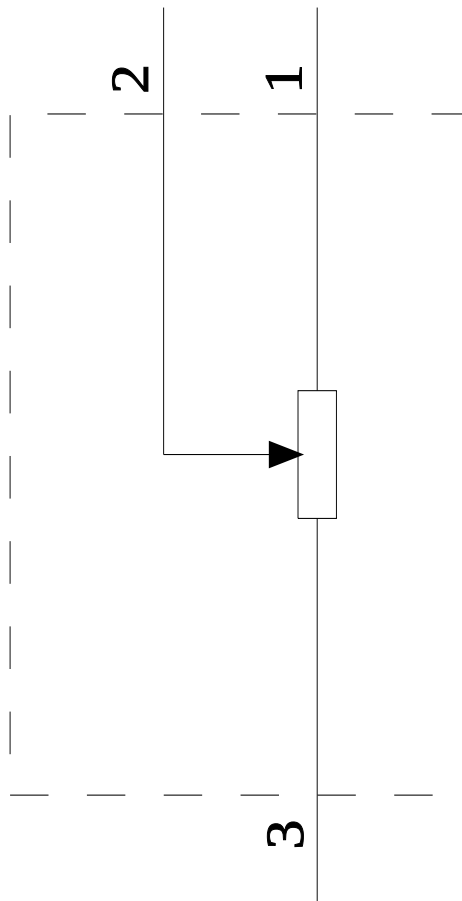
<https://support.industry.siemens.com/cs/ww/en/ps/3SU1200-2PR10-1AA0>

##### 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](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1200-2PR10-1AA0&lang=en)



**-R**  
**4,7 kOhm**



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4/8/2024 