



Potentiometer, compact, 22 mm, round, plastic, black, 10k ohm, with holder, screw terminal

|  |  |
|--|--|
| <b>product brand name</b>                              | SIRIUS ACT   |
| <b>product designation</b>                             | Potentiometers   |
| <b>design of the product</b>                           | Compact unit   |
| <b>product type designation</b>                        | 3SU1   |
| <b>product line</b>                                    | Plastic, black, 22 mm                                  |
| manufacturer's article number of the supplied holder   | <a href="#">3SU1550-0AA10-0AA0</a>                     |
| <b>Enclosure</b>                                       |  |
| <b>number of command points</b>                        | 1  |
| <b>Actuator</b>  |  |
| <b>design of the actuating element</b>                 | Rotary knob  |
| <b>principle of operation of the actuating element</b> | Infinitely variable adjustment, angle of rotation 280° |
| color of the actuating element                         | black  |
| <b>material of the actuating element</b>               | plastic  |
| <b>shape of the actuating element</b>                  | round  |
| <b>outer diameter of the actuating element</b>         | 30 mm  |
| <b>Maximum deflection angle [°]</b>                    | 280°   |
| <b>Front ring</b>                                      |  |
| <b>product component front ring</b>                    | No   |
| <b>Holder</b>  |  |
| <b>material of the holder</b>                          | Plastic  |
| <b>General technical data</b>                          |  |
| insulation voltage rated value                         | 500 V  |
| <b>degree of pollution</b>                             | 3  |
| <b>protection class IP</b>                             | IP66, IP67, IP69(IP69K)                                |
| • of the terminal                                      | IP20, clamping screw tightened                         |
| <b>degree of protection NEMA rating</b>                | 1, 2, 3, 3R, 4, 4X, 12, 13                             |
| <b>shock resistance</b>                                |  |
| • according to IEC 60068-2-27                          | sinusoidal half-wave 15g / 11 ms                       |
| • for railway applications according to EN 61373       | Category 1, Class B                                    |
| <b>vibration resistance</b>                            |  |
| • according to IEC 60068-2-6                           | 10 ... 500 Hz: 5g                                      |
| • for railway applications according to EN 61373       | Category 1, Class B                                    |
| mechanical service life (switching cycles) typical     | 25 000   |
| <b>reference code according to IEC 81346-2</b>         | S  |
| <b>Substance Prohibitance (Date)</b>                   | 01/01/2016   |
| <b>Connections/ Terminals</b>                          |  |
| <b>type of electrical connection</b>                   | screw-type terminals                                   |
| <b>type of connectable conductor cross-sections</b>    |  |
| • solid with core end processing                       | 2x (0.5 ... 0.75 mm <sup>2</sup> )                     |

|   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• solid without core end processing</li> <li>• finely stranded with core end processing</li> <li>• finely stranded without core end processing</li> <li>• at AWG cables</li> </ul> | 2x (1.0 ... 1.5 mm <sup>2</sup> )<br>2x (0.5 ... 1.5 mm <sup>2</sup> )<br>2x (1.0 ... 1.5 mm <sup>2</sup> )<br>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>   |   |
| <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> </ul> | -25 ... +70 °C<br>-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

|  |         |
|--|---------|
| <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   |

#### Certificates/ approvals

|                          |                           |
|--------------------------|---------------------------|
| General Product Approval | Declaration of Conformity |
|--------------------------|---------------------------|



[Confirmation](#)



|                   |       |
|-------------------|-------|
| Test Certificates | other |
|-------------------|-------|

[Type Test Certificates/Test Report](#)

[Environmental Confirmations](#)

[Confirmation](#)

#### 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=3SU1200-2PS10-1AA0>

Cax online generator

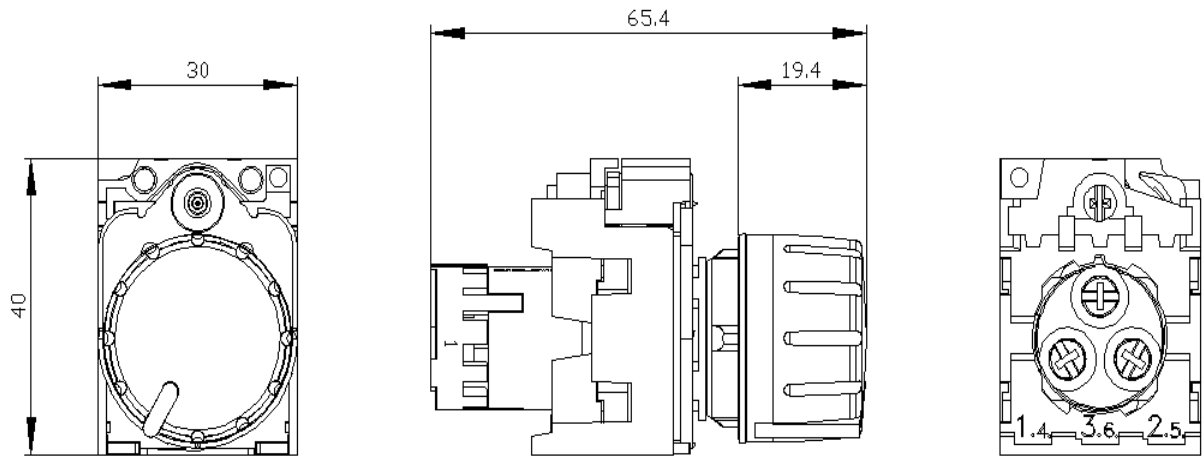
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1200-2PS10-1AA0>

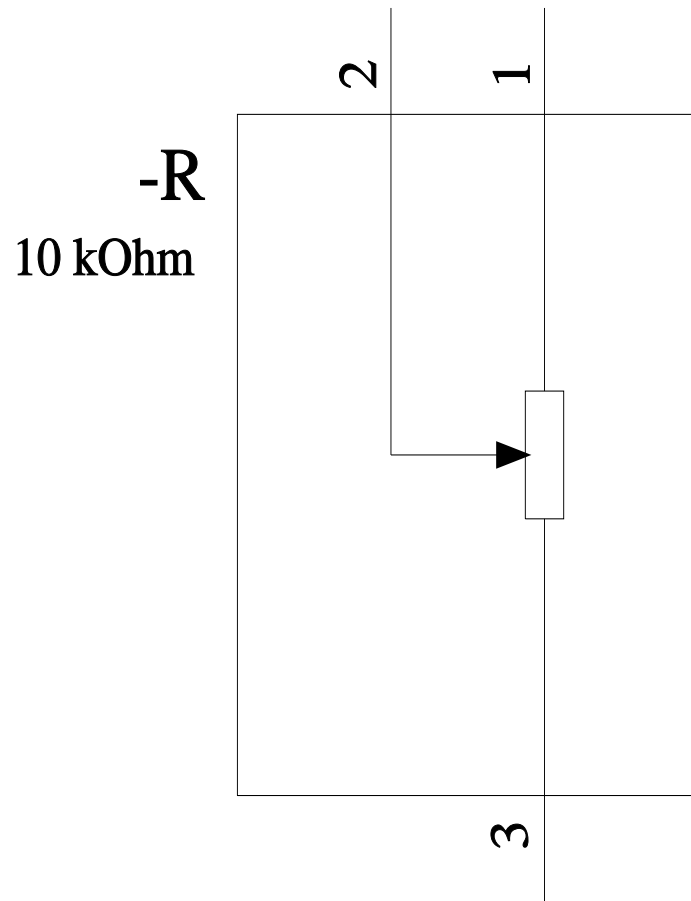
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1200-2PS10-1AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1200-2PS10-1AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1200-2PS10-1AA0&lang=en)





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