



Potentiometer, compact, 22 mm, round, plastic, black, 47k ohm, with holder, screw terminal, Z=50-unit packaging

| | |
|--|--|
| 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) | 10/01/2014 |
| Net Weight | 0.038 kg |
| Connections/ Terminals | |
| type of electrical connection | screw terminal |

| | |
|---|------------------------------------|
| type of connectable conductor cross-sections | |
| • solid with core end processing | 2x (0.5 ... 0.75 mm ²) |
| • solid without core end processing | 2x (1.0 ... 1.5 mm ²) |
| • finely stranded with core end processing | 2x (0.5 ... 1.5 mm ²) |
| • finely stranded without core end processing | 2x (1.0 ... 1.5 mm ²) |
| • 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 [CO ₂ eq] total | 0.787 kg |
| global warming potential [CO ₂ eq] during manufacturing | 0.566 kg |
| global warming potential [CO ₂ eq] during operation | 0.235 kg |
| global warming potential [CO ₂ 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 | Maritime application |
|--------------------------|-------------------|----------------------|



[Type Test Certificates/Test Report](#)



| | | |
|----------------------|-------|-------------|
| Maritime application | other | Environment |
|----------------------|-------|-------------|



[Confirmation](#)



Environment

Siemens
EcoTech



[Environmental Confirmations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

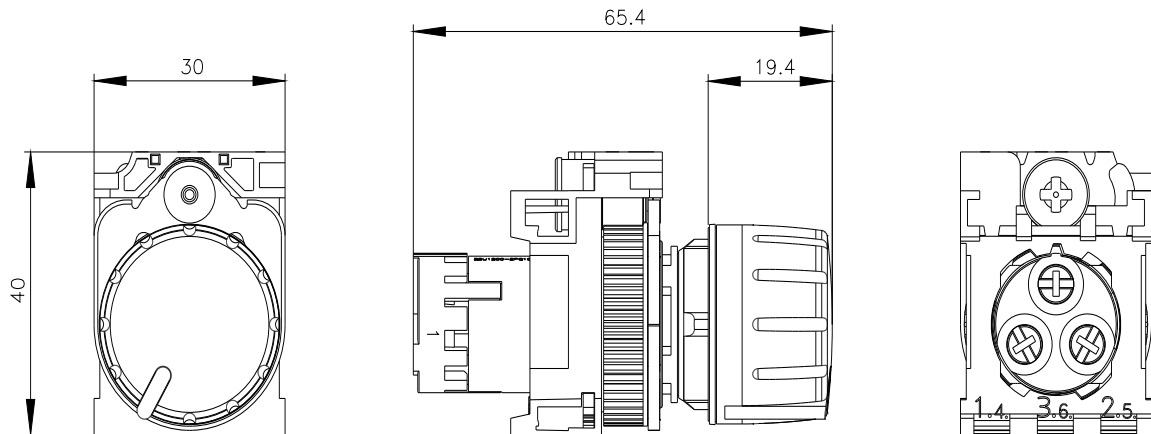
Information- and Downloadcenter (Catalogs, Brochures,...)

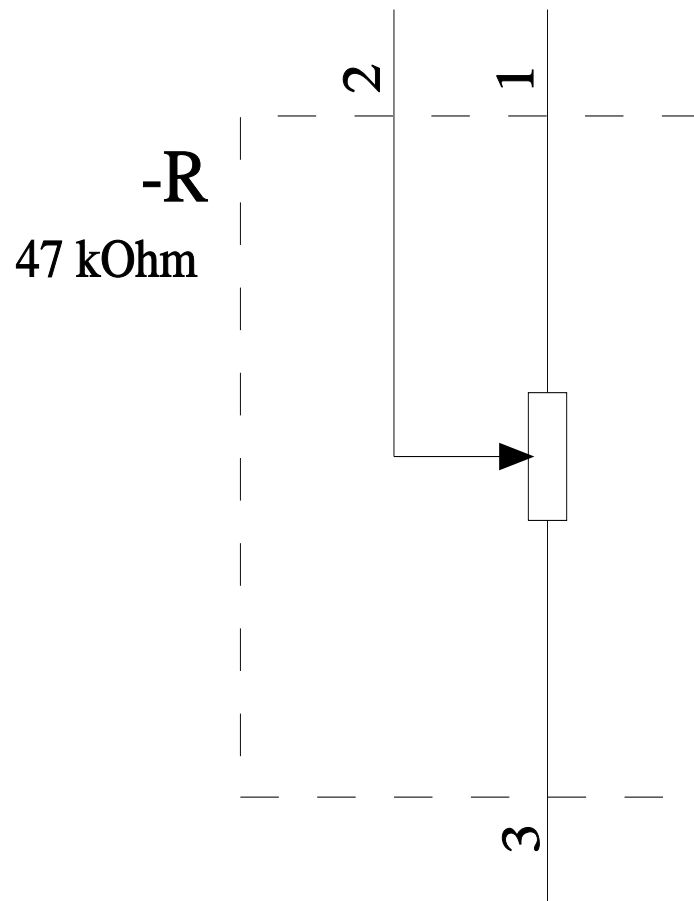
<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1200-2PT10-1AA0-Z X90>

Cax online generator





last modified:

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