SIEMENS

## Data sheet 3SU1002-2BF20-0AA0

Siemens EcoTech

Selector switch, illuminable, 22 mm, round, plastic, red, selector switch, short, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/13:30h

| | |
|---|---|
| **product brand name** | SIRIUS ACT |
| **product designation** | Selector switches |
| **design of the product** | Actuating/signaling element |
| **product type designation** | 3SU1 |
| **product line** | Plastic, black, 22 mm |
| **Enclosure** | |
| **number of command points** | 1 |
| **Actuator** | |
| **design of the actuating element** | Selector, short |
| **principle of operation of the actuating element** | latching, 90° (10:30 h/13:30 h) |
| **product extension optional** | |
| ● light source | Yes |
| ● contact module | Yes |
| color of the actuating element | red |
| **material of the actuating element** | plastic |
| **shape of the actuating element** | Handle |
| **outer diameter of the actuating element** | 32.3 mm |
| **number of switching positions** | 2 |
| **actuating angle** | |
| ● clockwise | 90° |
| **Front ring** | |
| **product component front ring** | Yes |
| **design of the front ring** | standard |
| **material of the front ring** | plastic |
| **color of the front ring** | black |
| **General technical data** | |
| **protection class IP** | IP66, IP67, IP69(IP69K) |
| **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 |
| **operating frequency maximum** | 1 800 1/h |
| **mechanical service life (operating cycles) typical** | 1 000 000 |
| **reference code according to IEC 81346-2** | S |


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| | |
|---|---|
| **Substance Prohibitance (Date)** | 10/01/2014 |
| **Weight** | 22 g |
| **Safety related data** | |
| **proportion of dangerous failures** | |
| ● with low demand rate according to SN 31920 | 20 % |
| ● with high demand rate per NC contact according to SN 31920 | 20 % |
| ● with high demand rate per NO contact according to SN 31920 | 50 % |
| **B10 value with high demand rate according to SN 31920** | 100 000 |
| **failure rate [FIT] with low demand rate per NC contact according to SN 31920** | 100 FIT |
| IEC 61508 | |
| T1 value for proof test interval or service life according to IEC 61508 | 20 a |
| **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%) |
| **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 |
| Siemens Eco Profile (SEP) | Siemens EcoTech |
| **Installation/ mounting/ dimensions** | |
| **height** | 32.3 mm |
| **width** | 32.3 mm |
| **shape of the installation opening** | round |
| **mounting diameter** | 22.3 mm |
| **positive tolerance of installation diameter** | 0.4 mm |
| **mounting height** | 28.8 mm |
| **installation width** | 32.3 mm |
| **installation depth** | 25.4 mm |

**Approvals Certificates**

**General Product Approval**

**Test Certificates**

Type Test Certificates/Test Report

Special Test Certificate

**Maritime application**

**other**

Confirmation

**Environment**

**Environment**

Environmental Confirmations

**Further information**

**Information on the packaging**
https://support.industry.siemens.com/cs/ww/en/view/109813875


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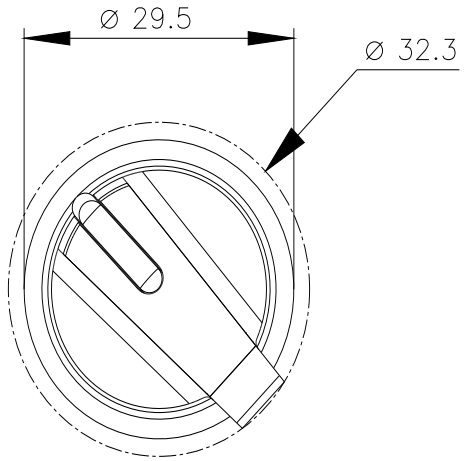
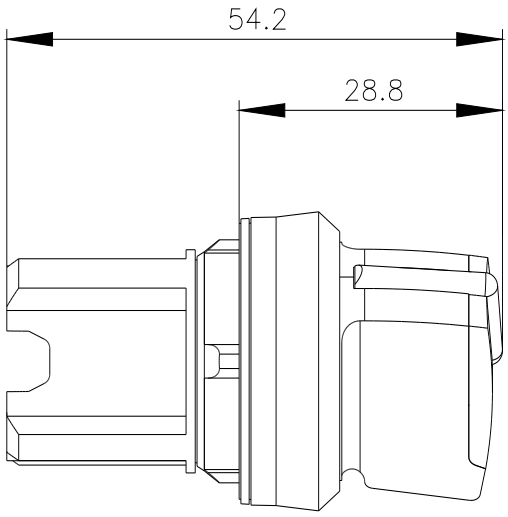
https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BF20-0AA0
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1002-2BF20-0AA0&lang=en

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