

**Siemens**  
**EcoTech**



Selector switch, illuminable, 22 mm, round, plastic, red, selector switch, short, 3 switch positions I>O<II, momentary contact on the left, latching on the right, actuating angle 2x45°, 10:30h/12h/13:30h, with laser labeling, upper case and lower case, always upper case at the beginning of the word



|                                                  |                                                                                                 |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 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                                                                           |
| <b>Enclosure</b>                                 |                                                                                                 |
| number of command points                         | 1                                                                                               |
| <b>Actuator</b>                                  |                                                                                                 |
| design of the actuating element                  | Selector, short                                                                                 |
| principle of operation of the actuating element  | momentary contact/latching, 2x45° (10:30 h/12 h/13:30 h), return from left, right latching      |
| 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                                                                                         |
| marking of the actuating element                 | Customized labeling, text in lower case / capital letters, all words start with capital letters |
| number of switching positions                    | 3                                                                                               |
| actuating angle                                  |                                                                                                 |
| • clockwise                                      | 45°                                                                                             |
| • anticlockwise                                  | 45°                                                                                             |
| <b>Front ring</b>                                |                                                                                                 |
| product component front ring                     | Yes                                                                                             |
| design of the front ring                         | standard                                                                                        |
| material of the front ring                       | plastic                                                                                         |
| color of the front ring                          | black                                                                                           |
| <b>General technical data</b>                    |                                                                                                 |
| 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          |
| Substance Prohibittance (Date)                     | 10/01/2014 |

#### Safety related data

|                                                                                                                                                   |              |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| proportion of dangerous failures                                                                                                                  |              |
| <ul style="list-style-type: none"> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> </ul> | 20 %<br>20 % |
| B10 value with high demand rate according to SN 31920                                                                                             | 300 000      |
| failure rate [FIT] with low demand rate according to SN 31920                                                                                     | 100 FIT      |

#### Ambient conditions

|                                                                                            |                                                                    |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| ambient temperature                                                                        |                                                                    |
| <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%) |

#### 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



[Confirmation](#)



#### Test Certificates

#### Marine / Shipping

[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)



#### other

#### Environment

[Confirmation](#)



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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=3SU1002-2BP20-0AA0-Z Y15>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BP20-0AA0-Z Y15>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BP20-0AA0-Z Y15>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1002-2BP20-0AA0-Z Y15&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1002-2BP20-0AA0-Z Y15&lang=en)

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