

**Siemens  
EcoTech**



Selector switch, illuminable, 22 mm, round, plastic, yellow, selector switch, short, 2 switch positions O<I, momentary contact type, Actuating angle 45°, 10:30h/12h, with laser labeling, inscription or symbol Customer-specific selection with SIRIUS ACT configurator (CIN)



|                                                  |                                                                                                                                 |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 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, 45° (10:30 h/12 h), return from center to left                                                               |
| product extension optional                       |                                                                                                                                 |
| • light source                                   | Yes                                                                                                                             |
| • contact module                                 | Yes                                                                                                                             |
| color of the actuating element                   | yellow                                                                                                                          |
| 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 or symbols, can only be ordered via SIRIUS ACT configurator/Configuration Identification Number (CIN) |
| number of switching positions                    | 2                                                                                                                               |
| actuating angle                                  |                                                                                                                                 |
| • clockwise                                      | 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 |
| Weight                                             | 0.024 kg   |

#### Safety related data

|                                                                                                                                                                                                                                                                                    |                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <b>proportion of dangerous failures</b> <ul style="list-style-type: none"> <li>• with low demand rate according to SN 31920</li> <li>• with high demand rate per NC contact according to SN 31920</li> <li>• with high demand rate per NO contact according to SN 31920</li> </ul> | 20 %<br>20 %<br>50 % |
| <b>B10 value with high demand rate according to SN 31920</b>                                                                                                                                                                                                                       | 500 000              |
| <b>failure rate [FIT] with low demand rate per NC contact according to SN 31920</b>                                                                                                                                                                                                | 100 FIT              |

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| IEC 61508                                                               |      |
| T1 value for proof test interval or service life according to IEC 61508 | 20 a |

#### 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%) |

#### 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 | Environment |
|----------------------|-------|-------------|



[Confirmation](#)



#### Environment



[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=3SU1002-2BC30-0AA0-Z Y19>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BC30-0AA0-Z Y19>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BC30-0AA0-Z Y19>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1002-2BC30-0AA0-Z Y19&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1002-2BC30-0AA0-Z Y19&lang=en)

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