

Siemens  
EcoTech



Selector switch, illuminable, 22 mm, round, plastic, yellow, selector switch, short, 3 switch positions I-O<II, left latching, right momentary contact type, actuating angle 2x45°, 10:30h/12h/13:30h, with laser labeling, lower case



|  |  |
|--|--|
| 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  | latching/momentary contact, 2x45° (10:30 h/12 h/13:30 h), return from right, left latching |
| 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 in lower case 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 |
| Weight   | 0.024 kg   |

#### Safety related data

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

|  |  |
|--|--|
| ambient temperature  |  |
| <ul style="list-style-type: none"> <li>during operation</li> </ul> | -25 ... +70 °C   |
| <ul style="list-style-type: none"> <li>during storage</li> </ul>   | -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 |
|--------------------------|-------------------|

[Confirmation](#)



[Type Test Certificates/Test Report](#)

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

[Special Test Certificate](#)

[Confirmation](#)



[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=3SU1002-2BN30-0AA0-Z Y12>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BN30-0AA0-Z Y12>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BN30-0AA0-Z Y12>

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