

Siemens
EcoTech



Selector switch, illuminable, 22 mm, round, plastic, green, 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



| | |
|--|--|
| 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 | 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 | green |
| 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 capital letters |
| number of switching positions | 3 |
| actuating angle | |
| • clockwise | 45° |
| • anticlockwise | 45° |
| 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 |

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|--|------------|
| 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"> with low demand rate according to SN 31920 | 20 % |
| <ul style="list-style-type: none"> with high demand rate according to SN 31920 | 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 |

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

Ambient conditions

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

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|---|---------|
| 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](#)



Siemens EcoTech



[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=3SU1002-2BP40-0AA0-Z Y11>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BP40-0AA0-Z Y11>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BP40-0AA0-Z Y11>

last modified:

5/16/2024 