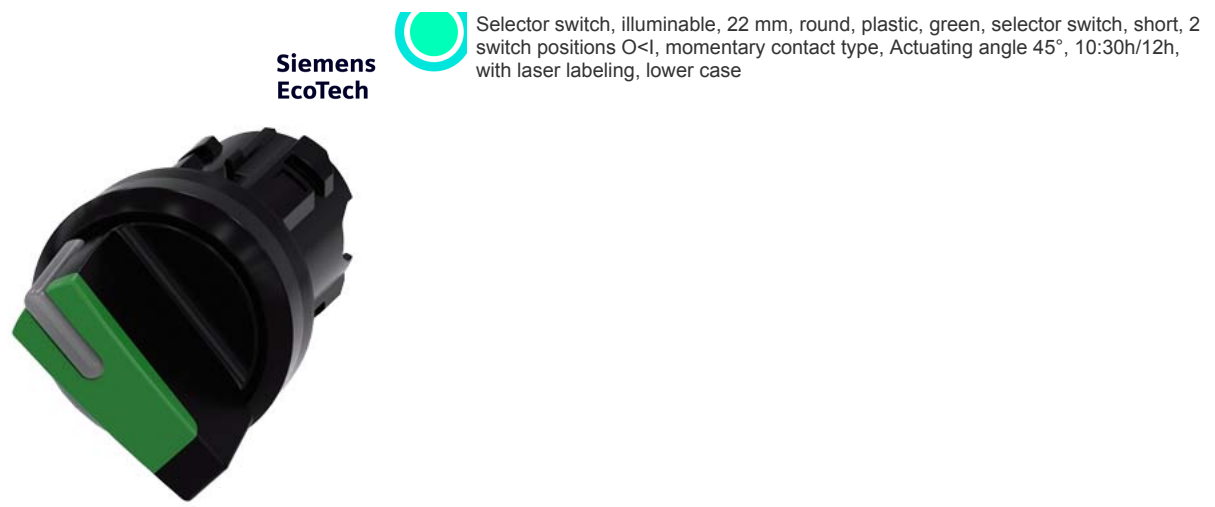




|                                                    |                                                                   |
|----------------------------------------------------|-------------------------------------------------------------------|
| product brand name                                 | 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, 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                     | 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 lower case letters                   |
| number of switching positions                      | 2                                                                 |
| actuating angle                                    |                                                                   |
| • clockwise                                        | 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                                               |
| 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                                                         |
| <b>Safety related data</b>                                           |                                                                    |
| <b>proportion of dangerous failures</b>                              |                                                                    |
| • with low demand rate according to SN 31920                         | 20 %                                                               |
| • with high demand rate according to SN 31920                        | 20 %                                                               |
| <b>B10 value with high demand rate according to SN 31920</b>         | 500 000                                                            |
| <b>failure rate [FIT] with low demand rate according to SN 31920</b> | 100 FIT                                                            |
| <b>Ambient conditions</b>                                            |                                                                    |
| <b>ambient temperature</b>                                           |                                                                    |
| • 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%) |
| <b>Environmental footprint</b>                                       |                                                                    |
| 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                                                    |
| <b>Installation/ mounting/ dimensions</b>                            |                                                                    |
| <b>height</b>                                                        | 32.3 mm                                                            |
| <b>width</b>                                                         | 32.3 mm                                                            |
| <b>shape of the installation opening</b>                             | round                                                              |
| <b>mounting diameter</b>                                             | 22.3 mm                                                            |
| <b>positive tolerance of installation diameter</b>                   | 0.4 mm                                                             |
| <b>mounting height</b>                                               | 28.8 mm                                                            |
| <b>installation width</b>                                            | 32.3 mm                                                            |
| <b>installation depth</b>                                            | 25.4 mm                                                            |
| <b>Approvals Certificates</b>                                        |                                                                    |
| General Product Approval                                             | Test Certificates                                                  |

[Confirmation](#)



[Type Test Certificates/Test Report](#)

Test Certificates

Marine / Shipping

other

[Special Test Certificate](#)



[Confirmation](#)

**Environment**



[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=3SU1002-2BC40-0AA0-Z Y12>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BC40-0AA0-Z Y12>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BC40-0AA0-Z Y12>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1002-2BC40-0AA0-Z Y12&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1002-2BC40-0AA0-Z Y12&lang=en)

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2/6/2024 

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