

Siemens  
EcoTech



Selector switch, illuminable, 22 mm, round, plastic, white, selector switch, short, 3 switch positions I-O-II, latching, actuating angle 2x45°, 10:30h/12h/13:30h

|                                                  |                                        |
|--------------------------------------------------|----------------------------------------|
| 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, 2x45° (10:30 h/12 h/13:30 h) |
| product extension optional                       |                                        |
| • light source                                   | Yes                                    |
| • contact module                                 | Yes                                    |
| color of the actuating element                   | white                                  |
| material of the actuating element                | plastic                                |
| shape of the actuating element                   | Handle                                 |
| outer diameter of the actuating element          | 32.3 mm                                |
| 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 15 g / 11 ms      |
| • for railway applications according to EN 61373 | Category 1, Class B                    |
| vibration resistance                             |                                        |
| • according to IEC 60068-2-6                     | 10 ... 500 Hz: 5 g                     |
| • for railway applications according to EN 61373 | Category 1, Class B                    |
| operating frequency maximum                      | 1 800 1/h                              |

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------|
| mechanical service life (operating cycles) typical                                                                                                                                                                                                                                                                                                                                                                                                                       | 1 000 000                                                                              |                      |
| reference code according to IEC 81346-2                                                                                                                                                                                                                                                                                                                                                                                                                                  | S                                                                                      |                      |
| Substance Prohibitance (day/month/year)                                                                                                                                                                                                                                                                                                                                                                                                                                  | 10/01/2014                                                                             |                      |
| SVHC substance name                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329) CAS-No. 3147-75-9 |                      |
| Net Weight                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 21 g                                                                                   |                      |
| Safety related data                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                        |                      |
| proportion of dangerous failures                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                        |                      |
| • with low demand rate according to SN 31920                                                                                                                                                                                                                                                                                                                                                                                                                             | 20 %                                                                                   |                      |
| • with high demand rate per NC contact according to SN 31920                                                                                                                                                                                                                                                                                                                                                                                                             | 20 %                                                                                   |                      |
| • with high demand rate per NO contact according to SN 31920                                                                                                                                                                                                                                                                                                                                                                                                             | 50 %                                                                                   |                      |
| B10 value with high demand rate according to SN 31920                                                                                                                                                                                                                                                                                                                                                                                                                    | 300 000                                                                                |                      |
| failure rate [FIT] with low demand rate per NC contact 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                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                        |                      |
| ambient temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                        |                      |
| • 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%)                     |                      |
| 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                                                                                |                      |
| 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                                                                        |                      |
| Approvals Certificates                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                        |                      |
| Environmental Product Declaration                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                        |                      |
| • 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                                                                                                                                                                                                                                                                                                                                                                                                                  | -0.0145 kg                                                                             |                      |
| • global warming potential [CO2 eq] / total                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.787 kg                                                                               |                      |
| Environment                                                                                                                                                                                                                                                                                                                                                                                                                                                              | General Product Approval                                                               |                      |
| <div>Environmental Confirmations</div> <div><div>Siemens EcoTech</div><div></div><div></div><div></div><div></div></div> |                                                                                        |                      |
| General Product Approval                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Test Certificates                                                                      | Maritime application |

Maritime application other

[Confirmation](#)

## 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=3SU1002-2BL60-0AA0>

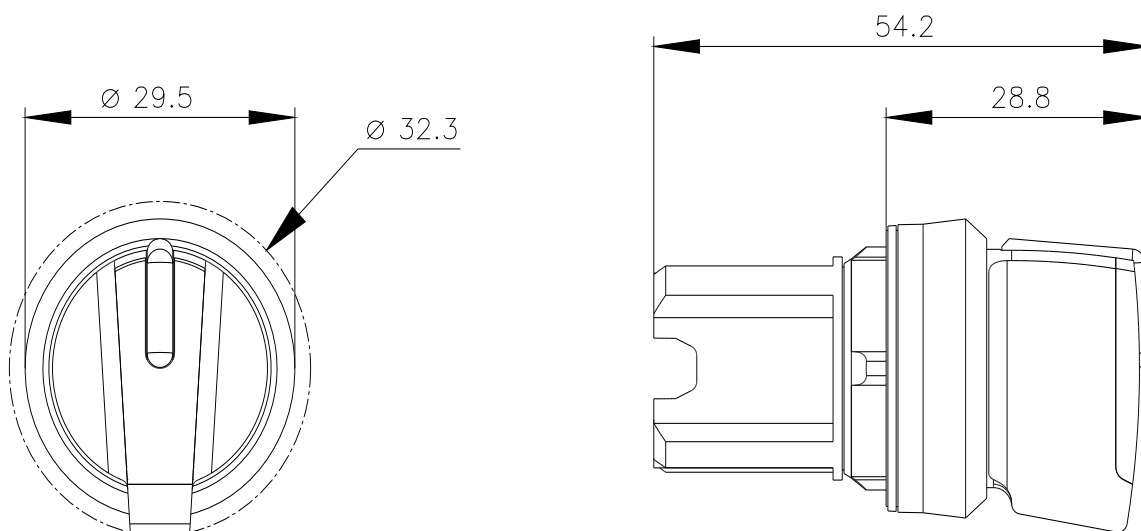
Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BL60-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BL60-0AA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1002-2BL60-0AA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1002-2BL60-0AA0&lang=en)

last modified:

6/11/2026 