

Siemens  
EcoTech



Selector switch, illuminable, 22 mm, round, metal, shiny, red, selector switch, short, 3 switch positions I-O<II, left latching, right momentary contact type, 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                                       | Metal, shiny, 22 mm                                                                        |
| Enclosure                                          |                                                                                            |
| number of command points                           | 1                                                                                          |
| Actuator                                           |                                                                                            |
| 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                     | red                                                                                        |
| 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°                                                                                        |
| Front ring                                         |                                                                                            |
| product component front ring                       | Yes                                                                                        |
| design of the front ring                           | standard                                                                                   |
| material of the front ring                         | Metal, high gloss                                                                          |
| color of the front ring                            | silver                                                                                     |
| 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                                                           |
| vibration resistance                               |                                                                                            |
| • according to IEC 60068-2-6                       | 10 ... 500 Hz: 5g                                                                          |
| 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                                                                       | 48 g       |
| <b>Safety related data</b>                                                   |            |
| 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       |

|                                                                |                                                                    |
|----------------------------------------------------------------|--------------------------------------------------------------------|
| <b>Ambient conditions</b>                                      |                                                                    |
| 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%) |

|                                                        |                 |
|--------------------------------------------------------|-----------------|
| <b>Environmental footprint</b>                         |                 |
| Environmental Product Declaration (EPD)                | Yes             |
| global warming potential [CO2 eq] total                | 0.593 kg        |
| global warming potential [CO2 eq] during manufacturing | 0.625 kg        |
| global warming potential [CO2 eq] during operation     | 0.235 kg        |
| global warming potential [CO2 eq] after end of life    | -0.267 kg       |
| Siemens Eco Profile (SEP)                              | Siemens EcoTech |

|                                             |         |
|---------------------------------------------|---------|
| <b>Installation/ mounting/ dimensions</b>   |         |
| 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 |

|                               |                   |
|-------------------------------|-------------------|
| <b>Approvals Certificates</b> |                   |
| General Product Approval      | Test Certificates |



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

|                      |       |             |
|----------------------|-------|-------------|
| Maritime application | other | Environment |
|----------------------|-------|-------------|



[Confirmation](#)



|                    |  |
|--------------------|--|
| <b>Environment</b> |  |
|--------------------|--|

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[Environmental Confirmations](#)

|                            |
|----------------------------|
| <b>Further information</b> |
|----------------------------|

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=3SU1052-2BN20-0AA0>

Cax online generator

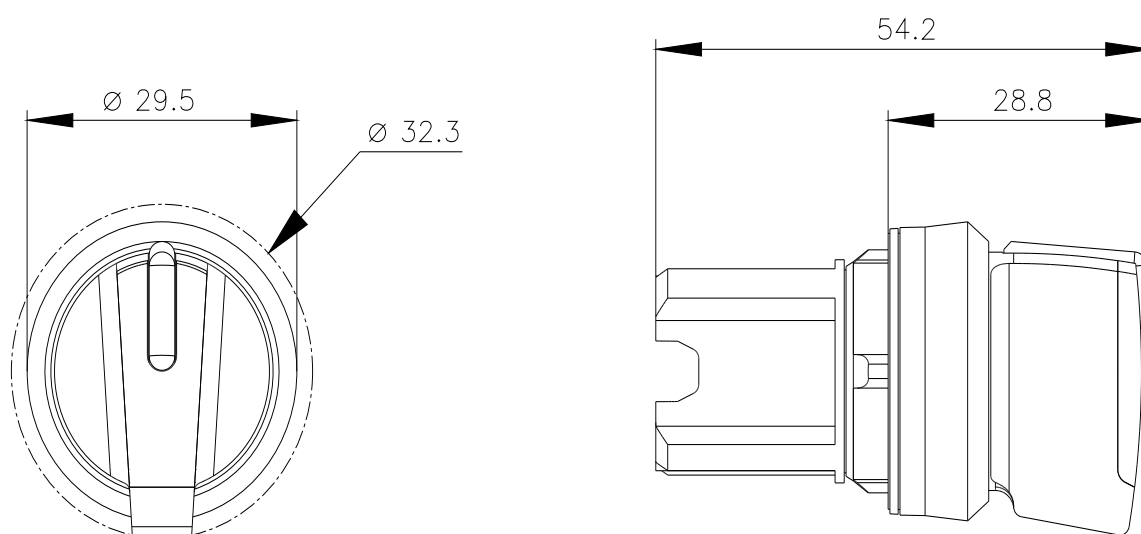
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1052-2BN20-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1052-2BN20-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1052-2BN20-0AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1052-2BN20-0AA0&lang=en)



last modified:

5/21/2025 