

Siemens  
EcoTech



Illuminable selector switch, 22 mm, round, metal shiny, blue, Selector switch short, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/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              |
| <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, 90° (10:30 h/13:30 h)  |
| product extension optional                         |                                  |
| • light source                                     | Yes                              |
| • contact module                                   | Yes                              |
| color of the actuating element                     | blue                             |
| 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                      | 2                                |
| actuating angle                                    |                                  |
| • clockwise                                        | 90°                              |
| <b>Front ring</b>                                  |                                  |
| 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                           |
| <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 |
| 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 Prohibitance (Date)                      | 10/01/2014                       |
| Weight                                             | 48 g                             |

## Safety related data

|                                                                                                                                                                                                                                                                                |                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <b>proportion of dangerous failures</b> <ul style="list-style-type: none"><li>• with low demand rate according to SN 31920</li><li>• with high demand rate per NC contact according to SN 31920</li><li>• with high demand rate per NO contact according to SN 31920</li></ul> | 20 %<br>20 %<br>50 % |
| <b>B10 value with high demand rate according to SN 31920</b>                                                                                                                                                                                                                   | 100 000              |
| <b>failure rate [FIT] with low demand rate per NC contact 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

|                                                                                                                        |                                                                    |
|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>ambient temperature</b> <ul style="list-style-type: none"><li>• during operation</li><li>• during storage</li></ul> | -25 ... +70 °C<br>-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                | 0.593 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 |

## 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                                                                   |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <br>EG-Konf. |  |
| <br>c UL US  |  |
|                                                                                                 | <a href="#">Type Test Certificates/Test Report</a>                                  |
|                                                                                                 | <a href="#">Special Test Certificate</a>                                            |

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

## Environment

|                                                                                     |                                                                                     |                                             |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------|
|  |  | <a href="#">Environmental Confirmations</a> |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------|

## Further information

|                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Information on the packaging<br><a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a> |
| Information- and Downloadcenter (Catalogs, Brochures,...)<br><a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a>                                    |

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1052-2BF50-0AA0>

Cax online generator

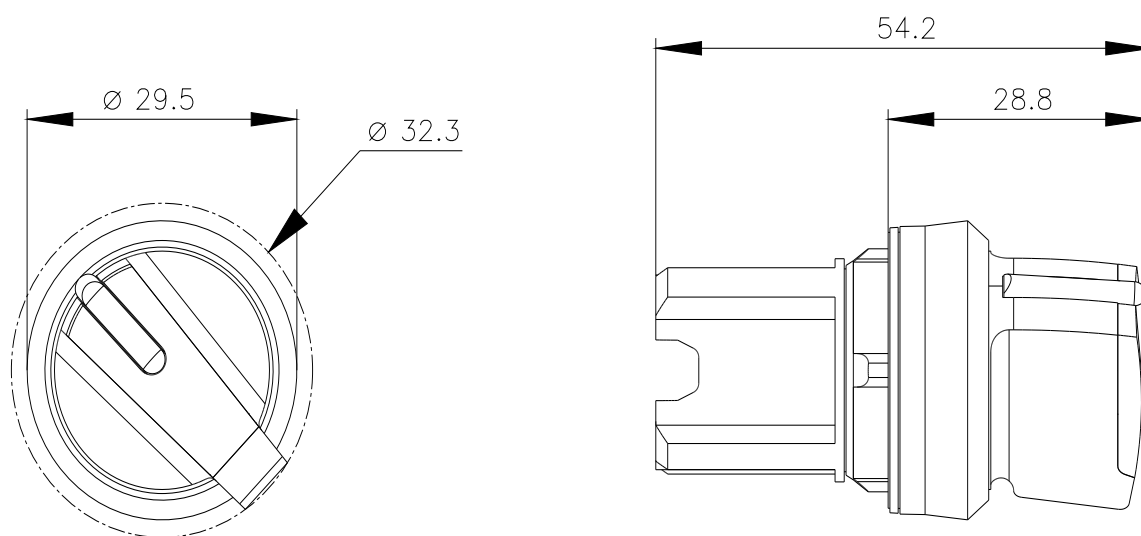
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1052-2BF50-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1052-2BF50-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1052-2BF50-0AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1052-2BF50-0AA0&lang=en)



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