



Selector switch, illuminable, 22 mm, round, plastic, blue, selector switch, short, 2 switch positions O-I, latching, actuating angle 90°, 10:30h/13:30h Z=50-unit packaging

|  |                                  |
|--|----------------------------------|
| 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, 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                         | 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 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 (switching cycles) typical | 1 000 000                        |
| reference code according to IEC 81346-2            | S                                |
| Substance Prohibitance (Date)                      | 10/01/2014                       |
| <b>Safety related data</b>                         |                                  |

|   |         |
|---|---------|
| B10 value with high demand rate according to SN 31920         | 100 000 |
| <b>proportion of dangerous failures</b>                       |         |
| • with low demand rate according to SN 31920                  | 20 %    |
| • with high demand rate according to SN 31920                 | 20 %    |
| failure rate [FIT] with low demand rate according to SN 31920 | 100 FIT |

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| <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>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 |

|                                |  |
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| <b>Certificates/ approvals</b> |  |
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| <b>Further information</b> |  |
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**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=3SU1002-2BF50-0AA0-Z X90>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BF50-0AA0-Z X90>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BF50-0AA0-Z X90>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1002-2BF50-0AA0-Z X90&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1002-2BF50-0AA0-Z X90&lang=en)

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