



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

| Safety related data   |              |
|---|--------------|
| B10 value with high demand rate according to SN 31920   | 300 000      |
| <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 according to SN 31920</li> </ul> | 20 %<br>20 % |
| failure rate [FIT] with low demand rate according to SN 31920   | 100 FIT      |

| 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%) |

| Installation/ mounting/ dimensions                 |         |
|--|---------|
| <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 |

#### Certificates/ approvals

#### Further information

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=3SU1002-2BL20-0AA0-Z X90>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BL20-0AA0-Z X90>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BL20-0AA0-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=3SU1002-2BL20-0AA0-Z X90&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1002-2BL20-0AA0-Z X90&lang=en)

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