

Selector switch, illuminable, 22 mm, round, plastic, white, selector switch, short, 3 switch positions I>O<II, momentary contact type, 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       |

### Enclosure

|                          |   |
|--------------------------|---|
| Number of command points | 1 |
|--------------------------|---|

### Actuator

|                                             |                                                                       |
|---------------------------------------------|-----------------------------------------------------------------------|
| Design of the operating mechanism           | Selector, short                                                       |
| Manner of function of the actuating element | momentary contact, 2x45° (10:30 h/12 h/13:30 h), return on both sides |
| Product extension optional Light source     | 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                             | 45°                                                                   |
| • clockwise                                 |                                                                       |

- anticlockwise

45°

## Front ring

|                              |          |
|------------------------------|----------|
| Product component front ring | Yes      |
| Design of the front ring     | standard |
| Material of the front ring   | plastic  |
| Color of the front ring      | black    |

## 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                                                                                                                    |                                                          |
| <ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-27</li> <li>• for railway applications acc. to DIN EN 61373</li> </ul> | Sinusoidal half-wave 50 g / 11 ms<br>Category 1, Class B |
| Vibration resistance                                                                                                                |                                                          |
| <ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-6</li> <li>• for railway applications acc. to DIN EN 61373</li> </ul>  | 10 ... 500 Hz: 5g<br>Category 1, Class B                 |
| Operating frequency maximum                                                                                                         | 1 800 1/h                                                |
| Mechanical service life (switching cycles)                                                                                          |                                                          |
| <ul style="list-style-type: none"> <li>• typical</li> </ul>                                                                         | 1 000 000                                                |
| Reference code acc. to DIN EN 81346-2                                                                                               | S                                                        |
| Reference code acc. to DIN EN 61346-2                                                                                               | S                                                        |

## Safety related data

|                                                                                                                                             |              |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| B10 value                                                                                                                                   |              |
| <ul style="list-style-type: none"> <li>• with high demand rate acc. to SN 31920</li> </ul>                                                  | 300 000      |
| Proportion of dangerous failures                                                                                                            |              |
| <ul style="list-style-type: none"> <li>• with low demand rate acc. to SN 31920</li> <li>• with high demand rate acc. to SN 31920</li> </ul> | 20 %<br>20 % |
| Failure rate [FIT]                                                                                                                          |              |
| <ul style="list-style-type: none"> <li>• with low demand rate acc. to SN 31920</li> </ul>                                                   | 100 FIT      |
| T1 value for proof test interval or service life acc. to IEC 61508                                                                          | 20 y         |

## Ambient conditions

|                                                                                                |                                                                     |
|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Ambient temperature                                                                            |                                                                     |
| <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 acc. 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 |

#### Certificates/ approvals

| General Product Approval                                                          |                                                                                   | Declaration of Conformity                                                         | Test Certificates                                                                 |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  |  |  |  |
| CSA                                                                               | UL                                                                                | EG-Konf.                                                                          |                                                                                   |

[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

| Test Certificates | Marine / Shipping |
|-------------------|-------------------|
|-------------------|-------------------|

[Special Test Certificate](#)



ABS



LRS



PRS



RINA



RMRS

| Marine / Shipping | other |
|-------------------|-------|
|-------------------|-------|

[Confirmation](#)



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#### 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=3SU1002-2BM60-0AA0-Z X90>

**Cax online generator**

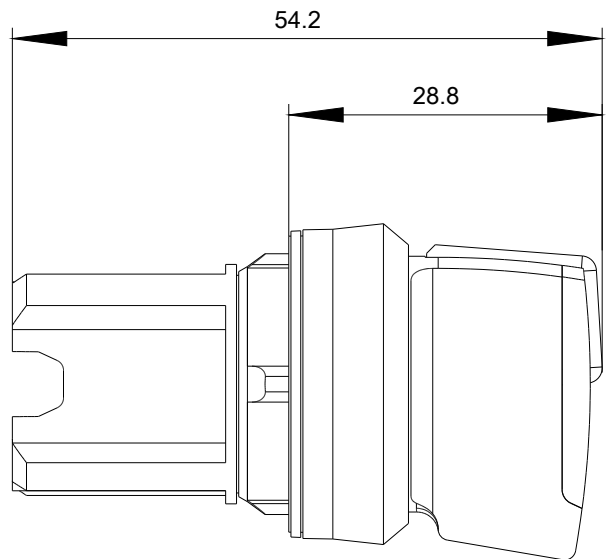
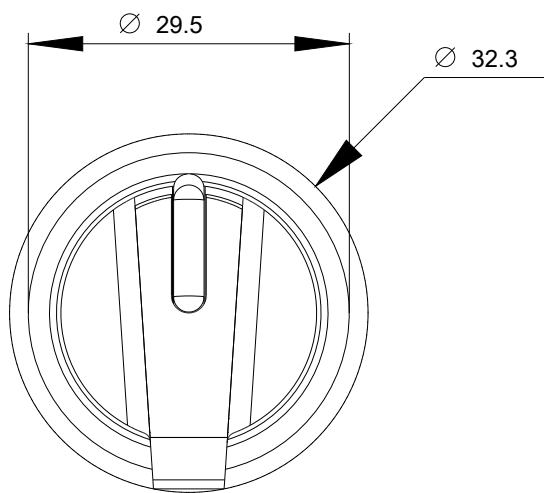
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BM60-0AA0-Z X90>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BM60-0AA0-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=3SU1002-2BM60-0AA0-Z X90&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1002-2BM60-0AA0-Z X90&lang=en)



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