SIEMENS

## Data sheet 3SU1002-2BM60-0AA0

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



| | |
|---|---|
| **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** | |
| • clockwise | 45° |


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| | |
|---|---|
| • 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** | NEMA 1, 2, 3, 3R, 4, 4X, 12, 13 |
| **Shock resistance** | |
| • acc. to IEC 60068-2-27 | Sinusoidal half-wave 50 g / 11 ms |
| • for railway applications acc. to DIN EN 61373 | Category 1, Class B |
| **Vibration resistance** | |
| • acc. to IEC 60068-2-6 | 10 ... 500 Hz: 5g |
| • for railway applications acc. to DIN EN 61373 | Category 1, Class B |
| **Operating frequency maximum** | 1 800 1/h |
| **Mechanical service life (switching cycles)** | |
| • typical | 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** | |
| • with high demand rate acc. to SN 31920 | 300 000 |
| **Proportion of dangerous failures** | |
| • with low demand rate acc. to SN 31920 | 20 % |
| • with high demand rate acc. to SN 31920 | 20 % |
| **Failure rate [FIT]** | |
| • with low demand rate acc. to SN 31920 | 100 FIT |
| **T1 value for proof test interval or service life acc. to IEC 61508** | 20 y |

## Ambient conditions

| | |
|---|---|
| **Ambient temperature** | |
| • during operation | -25 ... +70 °C |
| • during storage | -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 |


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| | |
|---|---|
| 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 | EAC | EG-Konf. | Miscellaneous | Special Test Certificate |

| Test Certificates | Marine / Shipping | | | | |
|---|---|---|---|---|---|
| Type Test Certificates/Test Report | ABS | LRS | PRS | RINA | RMRS |

| Marine / Shipping | other |
|---|---|
| DNVGL.COM/AF | Confirmation |

## 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

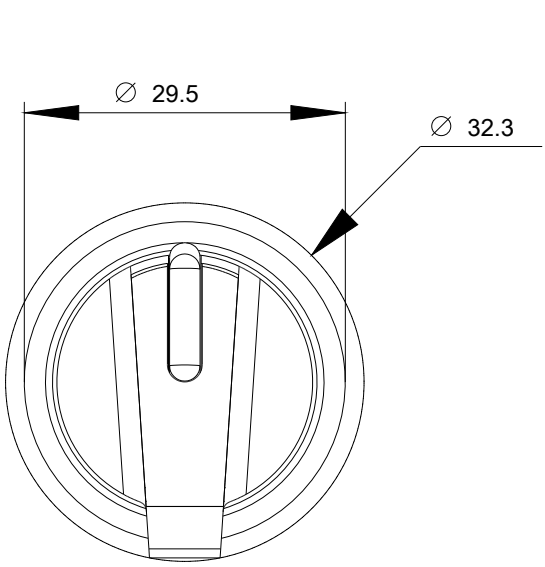
**Cax online generator**
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1002-2BM60-0AA0

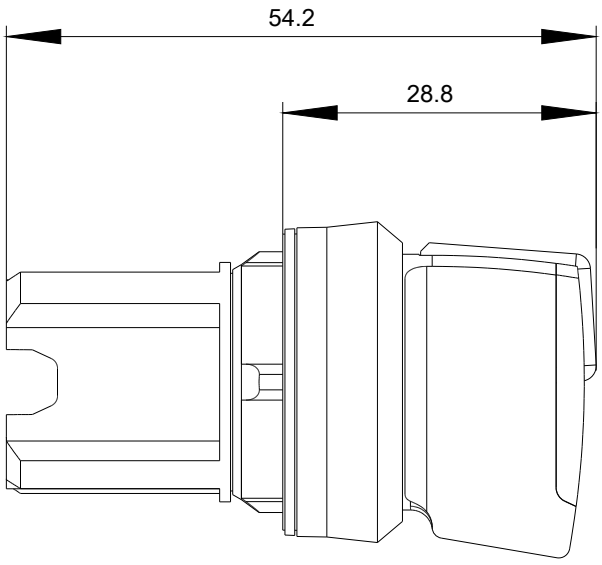
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3SU1002-2BM60-0AA0

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1002-2BM60-0AA0&lang=en


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