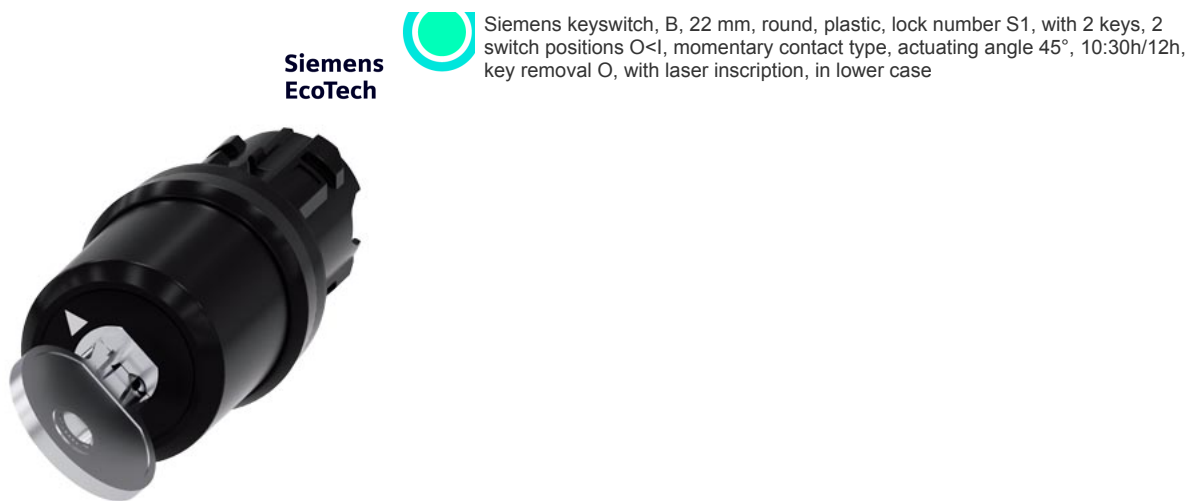




|                                                  |                                                                   |
|--------------------------------------------------|-------------------------------------------------------------------|
| product brand name                               | SIRIUS ACT                                                        |
| product designation                              | Key-operated switches                                             |
| design of the product                            | Actuating/signaling element                                       |
| product type designation                         | 3SU1                                                              |
| product line                                     | Plastic, black, 22 mm                                             |
| manufacturer's article number of included key    | <a href="#">3SU1950-0FD80-0AA0</a>                                |
| Actuator                                         |                                                                   |
| principle of operation of the actuating element  | momentary contact, 45° (10:30 h/12 h), return from center to left |
| product extension optional light source          | No                                                                |
| color                                            |                                                                   |
| • of the actuating element                       | silver                                                            |
| material of the actuating element                | metal                                                             |
| shape of the actuating element                   | Key                                                               |
| outer diameter of the actuating element          | 29.5 mm                                                           |
| marking of the actuating element                 | Customized labeling, text in lower case letters                   |
| number of switching positions                    | 2                                                                 |
| switch position for key distraction              | O                                                                 |
| actuating angle                                  |                                                                   |
| • clockwise                                      | 45°                                                               |
| lock make                                        | Siemens, B                                                        |
| key number                                       | S1                                                                |
| 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)                                           |
| protection class IP of the terminal              | IP20                                                              |
| 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 (operating cycles) typical | 1 000 000  |
| reference code according to IEC 81346-2            | S          |
| Substance Prohibittance (Date)                     | 10/01/2014 |
| Weight                                             | 0.119 kg   |

#### Ambient conditions

|                                                                |                                                                    |
|----------------------------------------------------------------|--------------------------------------------------------------------|
| <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%) |

#### Environmental footprint

|                                                        |                 |
|--------------------------------------------------------|-----------------|
| Environmental Product Declaration (EPD)                | Yes             |
| global warming potential [CO2 eq] total                | 0.787 kg        |
| global warming potential [CO2 eq] during manufacturing | 0.566 kg        |
| global warming potential [CO2 eq] during operation     | 0.235 kg        |
| global warming potential [CO2 eq] after end of life    | -0.015 kg       |
| Siemens Eco Profile (SEP)                              | Siemens EcoTech |

#### Installation/ mounting/ dimensions

|                                             |         |
|---------------------------------------------|---------|
| height                                      | 29.5 mm |
| width                                       | 29.5 mm |
| shape of the installation opening           | round   |
| mounting diameter                           | 22.3 mm |
| positive tolerance of installation diameter | 0.4 mm  |
| mounting height                             | 56.3 mm |
| installation width                          | 29.5 mm |
| installation depth                          | 25.4 mm |

#### Approvals Certificates

|                          |                   |
|--------------------------|-------------------|
| General Product Approval | Test Certificates |
|--------------------------|-------------------|



[Type Test Certificates/Test Report](#)

[Special Test Certificate](#)

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



[Confirmation](#)



#### Environment



[Environmental Confirmations](#)

#### Further information

##### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

##### Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

##### 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=3SU1000-5PC01-0AA0-Z Y12>

##### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1000-5PC01-0AA0-Z Y12>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1000-5PC01-0AA0-Z Y12>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1000-5PC01-0AA0-Z Y12&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1000-5PC01-0AA0-Z Y12&lang=en)

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7/6/2025 