



Figure similar

keyswitch, 16 mm, round, plastic, CES, 3 switch positions I-O-II, latching, actuating angle 2 x 62 degrees, key removal O, 1 NO, 1 NO

|                                                    |                       |
|----------------------------------------------------|-----------------------|
| product brand name                                 | SIRIUS                |
| product designation                                | Key-operated switches |
| design of the product                              | Complete unit round   |
| product type designation                           | 3SB2                  |
| <b>Enclosure</b>                                   |                       |
| number of command points                           | 1                     |
| <b>Actuator</b>                                    |                       |
| design of the actuating element                    | Key-operated switch   |
| principle of operation of the actuating element    | latching              |
| product extension optional light source            | No                    |
| material of the actuating element                  | plastic               |
| type of unlocking device                           | key unlatching        |
| number of switching positions                      | 3                     |
| switch position for key distraction                | O                     |
| actuating angle                                    |                       |
| • clockwise                                        | 62°                   |
| • anticlockwise                                    | 62°                   |
| lock make                                          | CES                   |
| <b>Front ring</b>                                  |                       |
| product component front ring                       | No                    |
| design of the front ring                           | Standard              |
| material of the front ring                         | plastic               |
| color of the front ring                            | black                 |
| <b>Holder</b>                                      |                       |
| material of the holder                             | Plastic               |
| <b>Contact block/ lampholder</b>                   |                       |
| number of lampholders                              | 0                     |
| number of switching elements                       | 2                     |
| <b>General technical data</b>                      |                       |
| product function                                   |                       |
| • positive opening                                 | No                    |
| • EMERGENCY STOP function                          | No                    |
| type of voltage of the operating voltage           | AC/DC                 |
| protection class IP                                | IP65                  |
| vibration resistance according to IEC 60068-2-6    | 20 ... 200 Hz: 5 g    |
| operating frequency maximum                        | 1 000 1/h             |
| mechanical service life (operating cycles) typical | 300 000               |
| reference code according to IEC 81346-2            | S                     |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Substance Prohibittance (day/month/year)                                                                                                                                                                                                                                                                                                                                                                                                                                            | 07/01/2006               |
| Net Weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 0.058 kg                 |
| operating voltage rated value                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5 ... 250 V              |
| Auxiliary circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          |
| number of NC contacts for auxiliary contacts                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0                        |
| number of NO contacts for auxiliary contacts                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                        |
| number of CO contacts for auxiliary contacts                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0                        |
| operational current at AC-12                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |
| • at 24 V rated value                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10 A                     |
| • at 60 V rated value                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 10 A                     |
| • at 110 V rated value                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10 A                     |
| • at 230 V rated value                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10 A                     |
| operational current at AC-15                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |
| • at 24 V rated value                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4 A                      |
| • at 110 V rated value                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4 A                      |
| • at 230 V rated value                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4 A                      |
| operational current at DC-12                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |
| • at 24 V rated value                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6 A                      |
| • at 60 V rated value                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5 A                      |
| • at 110 V rated value                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2.5 A                    |
| • at 230 V rated value                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1 A                      |
| operational current at DC-13                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |
| • at 24 V rated value                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3 A                      |
| • at 60 V rated value                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.2 A                    |
| • at 110 V rated value                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.7 A                    |
| • at 230 V rated value                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.3 A                    |
| Connections/ Terminals                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |
| type of electrical connection                                                                                                                                                                                                                                                                                                                                                                                                                                                       | tab terminals            |
| tightening torque of the screws in the bracket maximum                                                                                                                                                                                                                                                                                                                                                                                                                              | 0.4 N·m                  |
| Ambient conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |
| ambient temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |
| • during operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -25 ... +70 °C           |
| • during storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -40 ... +80 °C           |
| environmental category during operation according to IEC 60721                                                                                                                                                                                                                                                                                                                                                                                                                      | 3K6                      |
| Installation/ mounting/ dimensions                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                          |
| fastening method                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | front plate mounting     |
| shape of the installation opening                                                                                                                                                                                                                                                                                                                                                                                                                                                   | round                    |
| mounting diameter                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 16 mm                    |
| mounting height                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 20 mm                    |
| installation width                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 19 mm                    |
| installation depth                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 50 mm                    |
| Approvals Certificates                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                          |
| Environment                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | General Product Approval |
| <a href="#">Environmental Conformations</a>      |                          |
| Test Certificates                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          |
| <a href="#">Miscellaneous</a> <a href="#">Type Test Certificates/Test Report</a> <a href="#">Special Test Certificate</a> <a href="#">Confirmation</a>                                                                                                                                                                                                                                         | other                    |
| Further information                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                          |
| Information on the packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |

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

Information for data generation and storage

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Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SB2210-4PA01>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SB2210-4PA01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SB2210-4PA01>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SB2210-4PA01&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SB2210-4PA01&lang=en)

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