



BASIC SWITCH FOR POSITION SWITCH 3SE51,  
METAL ENCLOSURE,  
ACC. TO EN50041 DEVICE CONNECTION 1X (M20X1.5)  
1NO/2NC SNAP-ACTION CONTACTS W/O ACTUATOR  
HEAD

|                                                     |  |                               |
|-----------------------------------------------------|--|-------------------------------|
| <b>Manufacturer article number</b>                  |  |                               |
| • of the basic unit included in the scope of supply |  | <a href="#">3SE5112-0LA00</a> |

| General technical details:             |   |                                             |
|----------------------------------------|---|---------------------------------------------|
| product designation                    |   | basic switch for standard position switches |
| Explosion protection category for dust |   | none                                        |
| Insulation voltage                     |   |                                             |
| • rated value                          | V | 400                                         |
| Degree of pollution                    |   | class 3                                     |
| Thermal current                        | A | 6                                           |
| Operating current                      |   |                                             |
| • at AC-15                             |   |                                             |
| • at 24 V / rated value                | A | 6                                           |
| • at 125 V / rated value               | A | 6                                           |
| • at 230 V / rated value               | A | 1.5                                         |
| • at 400 V / rated value               | A | 4                                           |
| • at DC-13                             |   |                                             |
| • at 24 V / rated value                | A | 3                                           |
| • at 125 V / rated value               | A | 0.55                                        |
| • at 230 V / rated value               | A | 0.27                                        |
| Continuous current                     |   |                                             |

|                                                                               |            |                                                                  |
|-------------------------------------------------------------------------------|------------|------------------------------------------------------------------|
| • of the slow DIAZED fuse link                                                | A          | 6                                                                |
| • of the quick DIAZED fuse link                                               | A          | 10                                                               |
| • of the C characteristic circuit breaker                                     | A          | 1                                                                |
| <b>Mechanical operating cycles as operating time</b>                          |            |                                                                  |
| • typical                                                                     |            | 15,000,000                                                       |
| <b>Electrical operating cycles as operating time</b>                          |            |                                                                  |
| • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical |            | 10,000,000                                                       |
| • at AC-15 / at 230 V / typical                                               |            | 100,000                                                          |
| <b>Electrical operating cycles in one hour</b>                                |            |                                                                  |
| • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026           |            | 6,000                                                            |
| <b>Repeat accuracy</b>                                                        | mm         | 0.05                                                             |
| <b>Design of the contact element</b>                                          |            | snap-action contacts                                             |
| <b>Number of NC contacts</b>                                                  |            |                                                                  |
| • for auxiliary contacts                                                      |            | 2                                                                |
| <b>Design of the switching function</b>                                       |            | Positive opening with appropriate positive opening actuator head |
| <b>Number of NO contacts</b>                                                  |            |                                                                  |
| • for auxiliary contacts                                                      |            | 1                                                                |
| <b>Resistance against vibration</b>                                           |            | 0.35 mm / 5g                                                     |
| <b>Resistance against shock</b>                                               |            | 30g / 11 ms                                                      |
| <b>Ambient temperature</b>                                                    |            |                                                                  |
| • during operating                                                            | °C         | -25 ... +85                                                      |
| • during storage                                                              | °C         | -40 ... +90                                                      |
| <b>Product specification</b>                                                  |            |                                                                  |
| • for dimensions                                                              |            | EN 50041                                                         |
| <b>Width of the sensor</b>                                                    | mm         | 40                                                               |
| <b>Material</b>                                                               |            |                                                                  |
| • of the enclosure                                                            |            | metal                                                            |
| <b>Design of the operating mechanism</b>                                      |            | without                                                          |
| <b>Actuating speed</b>                                                        | mm/s / m/s | 0.1 ... 2.5                                                      |
| <b>Minimum actuating force / in activation direction</b>                      | N          | 20                                                               |
| <b>Protection class IP</b>                                                    |            | IP66/IP67                                                        |
| <b>mounting position</b>                                                      |            | any                                                              |
| <b>Cable gland version</b>                                                    |            | 1x (M20 x 1.5)                                                   |
| <b>Design of the electrical connection</b>                                    |            | screw-type terminals                                             |
| <b>Item designation</b>                                                       |            |                                                                  |
| • according to DIN 40719 extendable after IEC 204-2                           |            | S                                                                |
| • according to DIN EN 61346-2                                                 |            | B                                                                |

## Certificates/approvals:

### General Product Approval

### Functional Safety / Safety of Machinery

### Declaration of Conformity



CCC



GOST



UL



VDE



VDE



EG-Konf.

### Test Certificates

### other

[Special Test  
Certificate](#)

[Confirmation](#)

[Vibration Test  
Certificates](#)

## Further information:

### Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

### Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

### CAX-Online-Generator

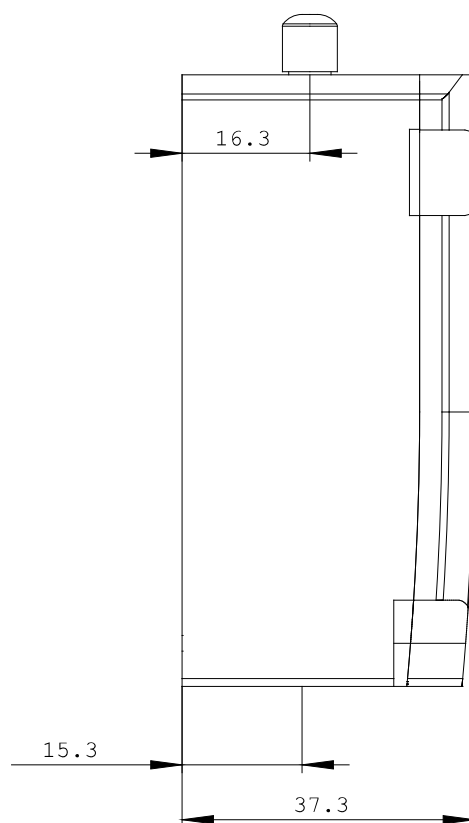
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3SE5112-0LA00/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3SE5112-0LA00](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5112-0LA00)



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