



SIRIUS POSITION SWITCH METAL HOUSING ACC. TO EN50047,  
31MM DEVICE CONNECTION 1X(M20X1.5);  
1NO/1NC SLOW-ACTION CONTACTS ADJUSTABLE  
LENGTH OF ROLLER LEVER RIGHT/LEFT ADJUSTABLE  
W. PLASTIC ROLLER 19MM

|                                                                              |  |                               |
|------------------------------------------------------------------------------|--|-------------------------------|
| <b>Manufacturer article number</b>                                           |  |                               |
| • of the basic unit included in the scope of supply                          |  | <a href="#">3SE5212-0BC05</a> |
| • of the actuator head for position switches included in the scope of supply |  | <a href="#">3SE5000-0AK00</a> |
| • of the operating lever included in the scope of supply                     |  | <a href="#">3SE5000-0AA50</a> |

General technical details:

|                                        |   |                          |
|----------------------------------------|---|--------------------------|
| product designation                    |   | standard position switch |
| 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 | 3                        |
| • 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                     |

|                                                                               |            |                                                                   |
|-------------------------------------------------------------------------------|------------|-------------------------------------------------------------------|
| <b>Continuous current</b>                                                     |            |                                                                   |
| • of the slow DIAZED fuse link                                                | A          | 6                                                                 |
| • of the quick DIAZED fuse link                                               | A          | 10                                                                |
| • of the C characteristic circuit breaker                                     | A          | 2                                                                 |
| <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>                                          |            | slow-action contacts                                              |
| <b>Number of NC contacts</b>                                                  |            |                                                                   |
| • for auxiliary contacts                                                      |            | 1                                                                 |
| <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 50047                                                          |
| <b>Width of the sensor</b>                                                    | mm         | 31                                                                |
| <b>Material</b>                                                               |            |                                                                   |
| • of the enclosure                                                            |            | metal                                                             |
| <b>Material / of the housing / of the switch head</b>                         |            | plastic                                                           |
| <b>Design of the operating mechanism</b>                                      |            | metal lever, adjustable length, 100 mm long, plastic roller 19 mm |
| <b>Actuating speed</b>                                                        | mm/s / m/s | 0.4 ... 1.5                                                       |
| <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

### Declaration of Conformity



CCC



CSA



GOST



UL



VDE



EG-Konf.

### Test Certificates

### other

[Special Test  
Certificate](#)

[Confirmation](#)

## 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>

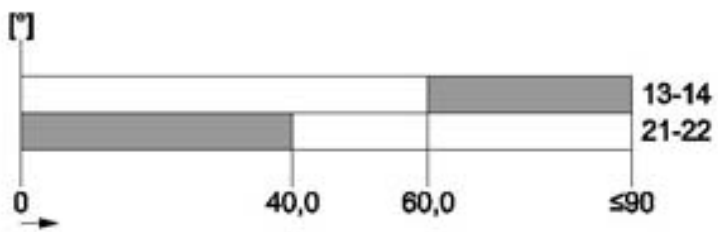
### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3SE5212-0BK50/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3SE5212-0BK50](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5212-0BK50)





last change:

Feb 18, 2013