



SIRIUS POSITION SWITCH;  
PLASTIC HOUSING ACC. TO EN50047,  
50MM DEVICE CONNECTION 2X(M20X1.5);  
1NO/1NC SLOW-ACTION CONTACTS 2X2MM CONTACT  
OPENING TEFLON PLUNGER

### Manufacturer article number

- of the basic unit included in the scope of supply

[3SE5242-0GC05](#)

### General technical data:

|                                               |   |                          |
|-----------------------------------------------|---|--------------------------|
| <b>Product designation</b>                    |   | standard position switch |
| <b>Explosion protection category for dust</b> |   | none                     |
| <b>Insulation voltage</b>                     |   |                          |
| • rated value                                 | V | 400                      |
| <b>Degree of pollution</b>                    |   | class 3                  |
| <b>Thermal current</b>                        | A | 6                        |
| <b>Operating current</b>                      |   |                          |
| • 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>                                          |            | snap-action contacts                     |
| <b>Number of NC contacts</b>                                                  |            |                                          |
| • for auxiliary contacts                                                      |            | 1                                        |
| <b>Design of the switching function</b>                                       |            | positive opening, 2x2 mm contact opening |
| <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>Width of the sensor</b>                                                    | mm         | 50                                       |
| <b>Material</b>                                                               |            |                                          |
| • of the enclosure                                                            |            | plastic                                  |
| <b>Material / of the enclosure / of the switch head</b>                       |            | plastic                                  |
| <b>Design of the operating mechanism</b>                                      |            | teflon plunger                           |
| <b>Actuating speed</b>                                                        | mm/s / m/s | 0.1 ... 1.5                              |
| <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>                                                    |            | 2 x (M20 x 1.5)                          |
| <b>Design of the electrical connection</b>                                    |            | screw-type terminals                     |
| <b>Reference code</b>                                                         |            |                                          |
| • according to DIN 40719 extended according to IEC 204-2                      |            | S                                        |
| • according to DIN EN 61346-2                                                 |            | B                                        |

Certificates/ approvals:

| General Product Approval                                                          |                                                                                   | Declaration of Conformity                                                         | Test Certificates                                                                 | other                                    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------|
|  |  |  |  | <a href="#">Special Test Certificate</a> |
|                                                                                   |                                                                                   |                                                                                   |                                                                                   | <a href="#">Confirmation</a>             |

#### 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

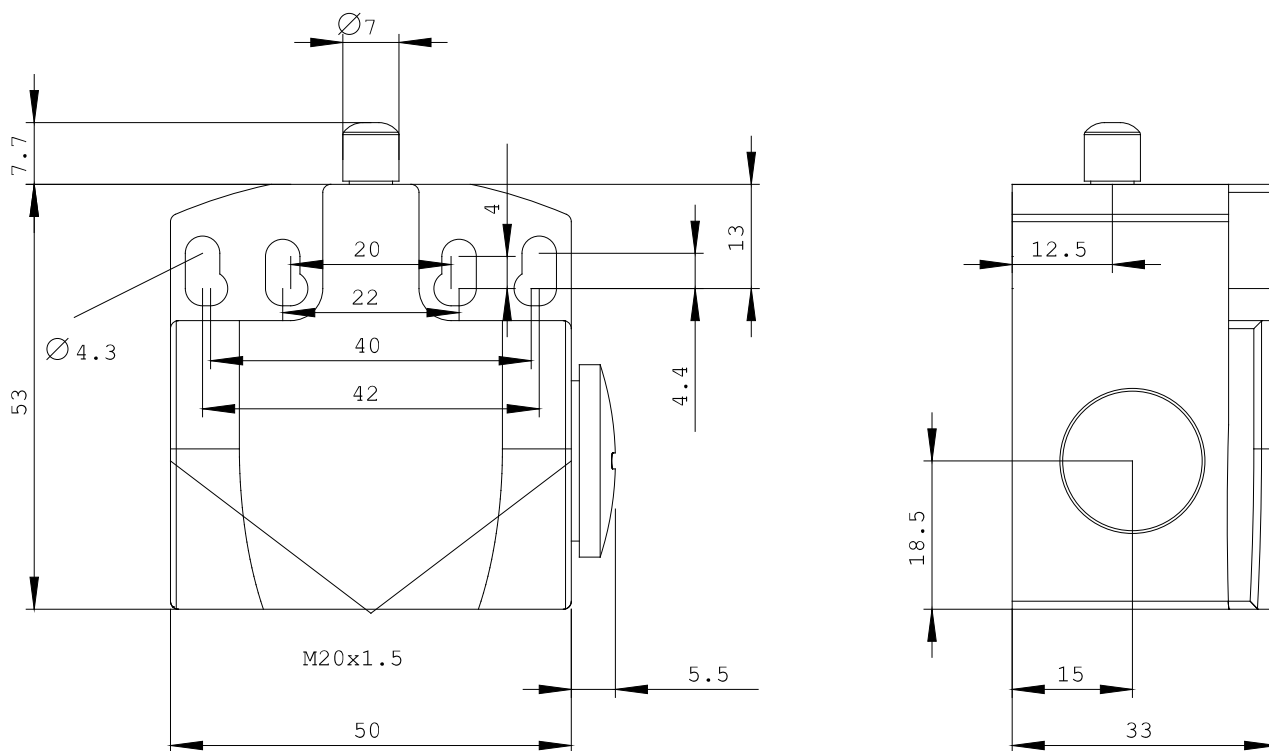
<http://www.siemens.com/cax>

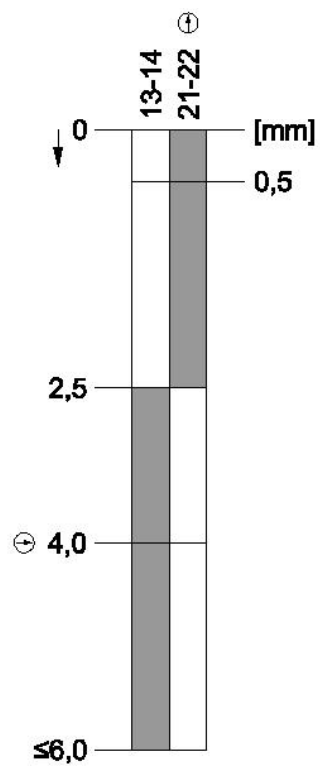
##### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3SE5242-0GC05/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3SE5242-0GC05](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5242-0GC05)





last change:

Jul 28, 2014