



SIRIUS POSITION SWITCH,  
METAL ENCLOSURE 40MM,  
ACC. TO EN50041 DEVICE CONNECTION 1X (M20X1.5)  
1NO/1NC SNAP-ACTION CONTACTS WITH ROUNDED  
PLUNGER STAINLESS STEEL PLUNGER WITH 3MM  
OVERTRAVEL FUNCTIONAL AT -40 DEGR.,  
SHOCK AND VIBRATION TEST ACC. TO EN61373,  
CATEGORY 1B

|                                                     |  |                                    |
|-----------------------------------------------------|--|------------------------------------|
| Manufacturer article number                         |  |                                    |
| • of the basic unit included in the scope of supply |  | <a href="#">3SE5112-0CA00-1AJ0</a> |

| General technical details:             |   |                                                      |
|----------------------------------------|---|------------------------------------------------------|
| product designation                    |   | standard position switch                             |
| Product feature                        |   | expanded temperature range, e.g. railway application |
| 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 | 6                                                    |
| • 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                                                 |

|                                                                               |            |                                     |
|-------------------------------------------------------------------------------|------------|-------------------------------------|
| • at 400 V / rated value                                                      | A          | 0.1                                 |
| <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          | 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                                                      |            | 1                                   |
| <b>Design of the switching function</b>                                       |            | positive opening                    |
| <b>Number of NO contacts</b>                                                  |            |                                     |
| • for auxiliary contacts                                                      |            | 1                                   |
| <b>Resistance against vibration</b>                                           |            |                                     |
| • for railway applications / according to DIN EN 61373                        |            | 0.35 mm / 5g<br>Category 1, Class B |
| <b>Resistance against shock</b>                                               |            |                                     |
| • for railway applications / according to DIN EN 61373                        |            | 30g / 11 ms<br>Category 1, Class B  |
| <b>Ambient temperature</b>                                                    |            |                                     |
| • during operating                                                            | °C         | -40 ... +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>Material / of the housing / of the switch head</b>                         |            | metal                               |
| <b>Design of the operating mechanism</b>                                      |            | stainless steel 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>                                                    |            | 1x (M20 x 1.5)                      |

|                                                                                                                                              |    |                      |
|----------------------------------------------------------------------------------------------------------------------------------------------|----|----------------------|
| <b>Design of the electrical connection</b>                                                                                                   |    | screw-type terminals |
| <b>Fire load</b>                                                                                                                             | kJ | 600                  |
| <b>Item designation</b>                                                                                                                      |    |                      |
| <ul style="list-style-type: none"> <li>• according to DIN 40719 extendable after IEC 204-2</li> <li>• according to DIN EN 61346-2</li> </ul> |    | S<br>B               |

#### Certificates/approvals:

| General Product Approval                                                                 | Declaration of Conformity                                                               | Test Certificates                                                                             | other                                                                        |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| <br>CCC | <br>UL | <br>EG-Konf. | <a href="#">Special Test Certificate</a><br><br><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

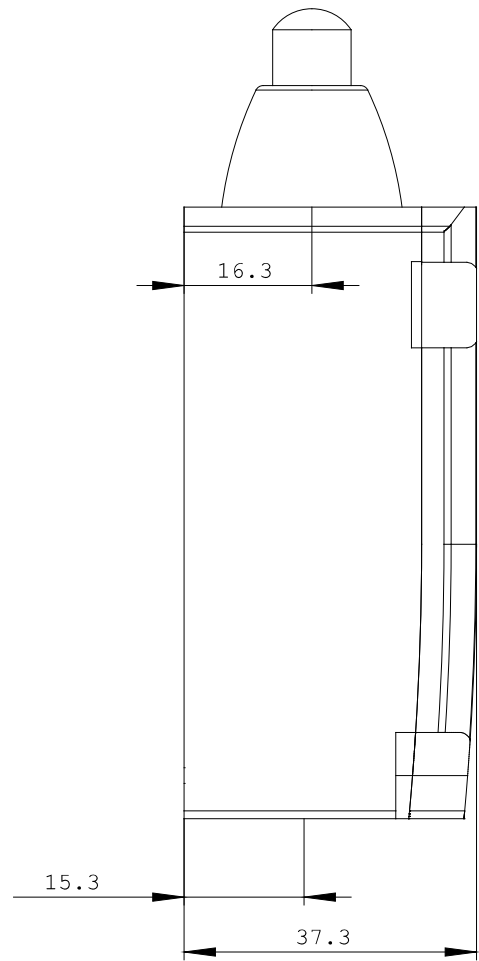
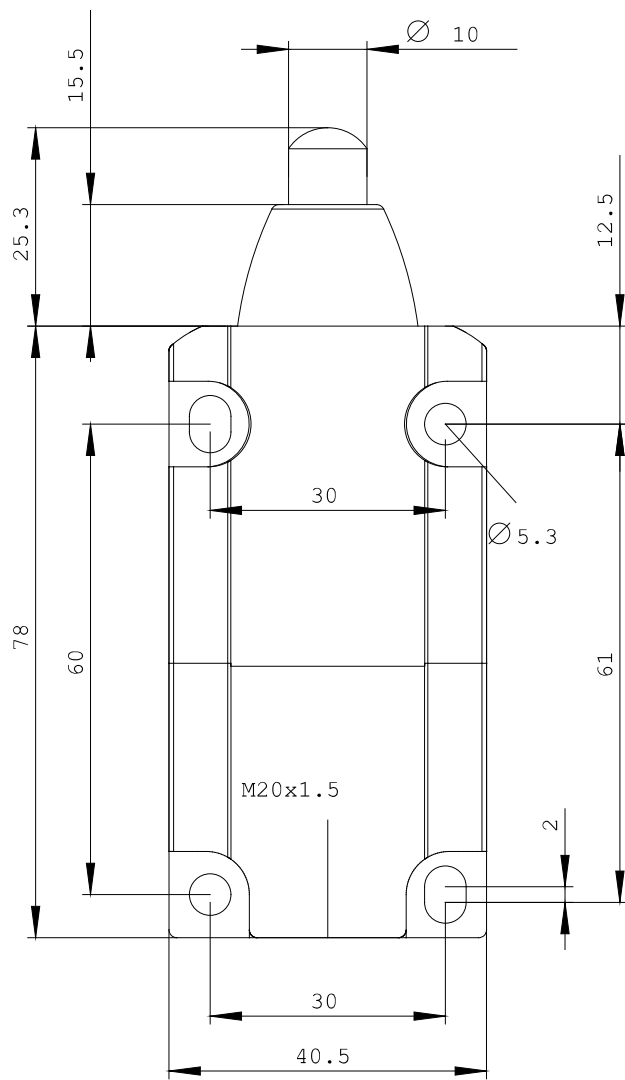
<http://www.siemens.com/cax>

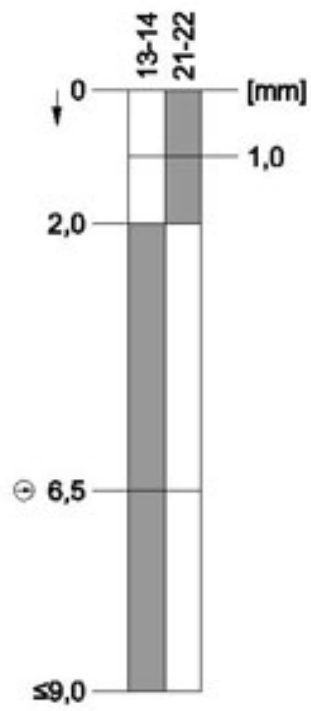
##### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3SE5112-0CC02-1AJ0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3SE5112-0CC02-1AJ0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5112-0CC02-1AJ0)





last change:

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