



SIRIUS POSITION SWITCH METAL ENCLOSURE 40MM  
ACC. TO EN50041 DEVICE CONNECTION 1X (M20X1.5)  
1NO/1NC SNAP-ACTION CONTACTS ROTARY  
ACTUATOR RIGHT/LEFT ADJUSTABLE,  
W. ANGLED LENGTH ADJUSTABLE METAL LEVER AND  
PLASTIC ROLLER 22MM CUSTOMER-SPECIFIC;  
HEAD 270 DEG

|                                                                              |  |                               |
|------------------------------------------------------------------------------|--|-------------------------------|
| <b>Manufacturer article number</b>                                           |  |                               |
| • of the basic unit included in the scope of supply                          |  | <a href="#">3SE5112-0CA00</a> |
| • of the actuator head for position switches included in the scope of supply |  | <a href="#">3SE5000-0AH00</a> |
| • of the operating lever included in the scope of supply                     |  | <a href="#">3SE5000-0AA56</a> |

General technical data:

|                                                                                                                                                                                                                            |                                 |                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------|
| <b>Product designation</b>                                                                                                                                                                                                 |                                 | standard position switch          |
| <b>Explosion protection category for dust</b>                                                                                                                                                                              |                                 | none                              |
| <b>Insulation voltage</b><br>• rated value                                                                                                                                                                                 | V                               | 400                               |
| <b>Degree of pollution</b>                                                                                                                                                                                                 |                                 | class 3                           |
| <b>Thermal current</b>                                                                                                                                                                                                     | A                               | 6                                 |
| <b>Operating current</b><br>• at AC-15<br>• at 24 V / rated value<br>• at 125 V / rated value<br>• at 230 V / rated value<br>• at 400 V / rated value<br>• at DC-13<br>• at 24 V / rated value<br>• at 125 V / rated value | A<br>A<br>A<br>A<br>A<br>A<br>A | 6<br>6<br>6<br>4<br><br>3<br>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>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>Material / of the enclosure / of the switch head</b>                       |            | metal                                                                    |
| <b>Design of the operating mechanism</b>                                      |            | metal lever with adjustable length, plastic roller 22 mm, adapter, screw |
| <b>Actuating speed</b>                                                        | mm/s / m/s | 0.1 ... 1.5                                                              |
| <b>Minimum actuating force / in activation direction</b>                      | N·m        | 0.25                                                                     |
| <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                                                     |

#### Reference code

- according to DIN 40719 extended according to IEC 204-2
- according to DIN EN 61346-2

S  
B

#### Certificates/ approvals:

##### General Product Approval

##### Declaration of Conformity

##### Test Certificates



CCC



CSA



UL



EG-Konf.

[Special Test  
Certificate](#)

##### other

[Confirmation](#)

#### Further information:

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

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

##### Industry Mall (Online ordering system)

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

##### Cax online generator

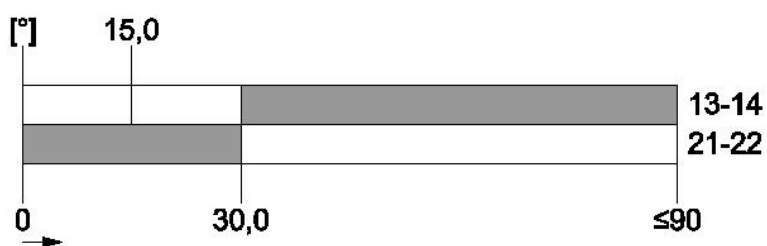
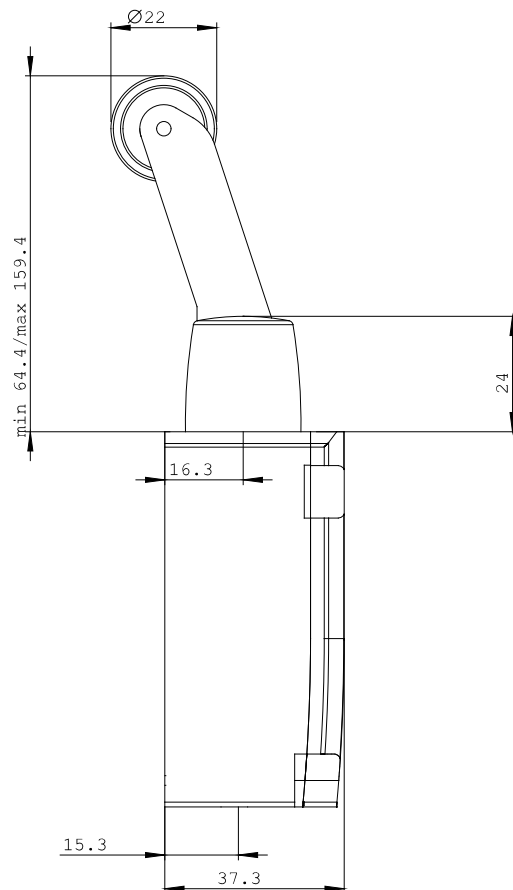
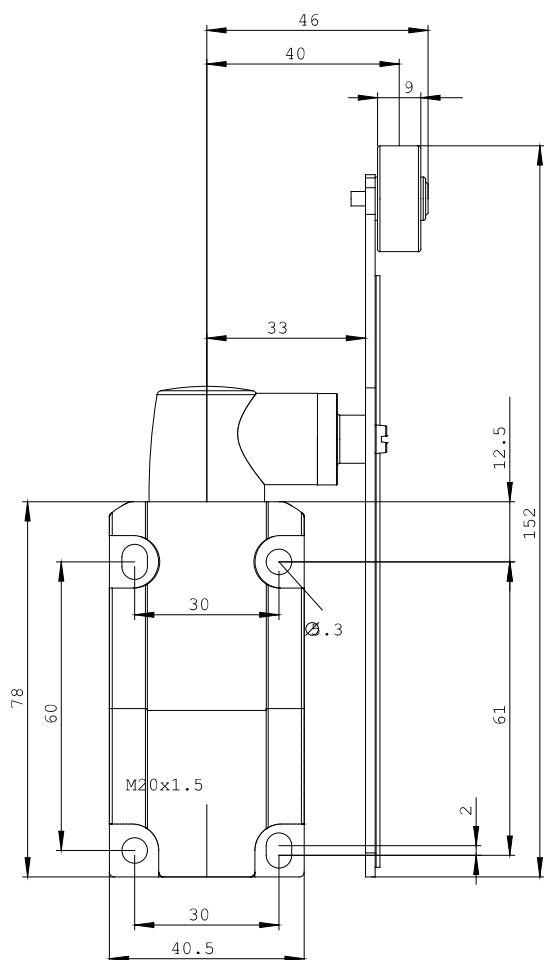
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3SE5112-0CH56-1AK8/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3SE5112-0CH56-1AK8](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5112-0CH56-1AK8)



last change:

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