SIEMENS

## Product data sheet 3SE5112-0CD02

SIRIUS POSITION SWITCH METAL HOUSING 40MM TO EN50041 DEVICE CONNECTION 1X (M20X1,5) 1NO/ 1NC SNAP-ACTION CONTACTS ROLLER PLUNGER W. STAINL. STEEL ROLLER 13MM

| | | |
|---|---|---|
| **Manufacturer article number** | | |
| • of the basic unit included in the scope of supply | | 3SE5112-0CA00 |
| • of the actuator head for position switches included in the scope of supply | | 3SE5000-0AD02 |

| **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 | 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 |
| **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 |
| **Mechanical operating cycles as operating time** | | |
| • typical | | 15,000,000 |
| **Electrical operating cycles as operating time** | | |
| • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 / typical | | 10,000,000 |
| • at AC-15 / at 230 V / typical | | 100,000 |
| **Electrical operating cycles in one hour** | | |
| • with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 | | 6,000 |
| **Repeat accuracy** | mm | 0.05 |
| **Design of the contact element** | | snap-action contacts |
| **Number of NC contacts** | | |
| • for auxiliary contacts | | 1 |
| **Design of the switching function** | | positive opening |
| **Number of NO contacts** | | |
| • for auxiliary contacts | | 1 |
| **Resistance against vibration** | | 0.35 mm / 5g |
| **Resistance against shock** | | 30g / 11 ms |
| **Ambient temperature** | | |
| • during operating | °C | -25 … +85 |
| • during storage | °C | -40 … +90 |
| **Product specification** | | |
| • for dimensions | | EN 50041 |
| **Width of the sensor** | mm | 40 |
| **Material** | | |
| • of the enclosure | | metal |
| **Material / of the housing / of the switch head** | | metal |
| **Design of the operating mechanism** | | Stainless steel roller |
| **Actuating speed** | mm/s / m/s | 0.1 … 1 |
| **Minimum actuating force / in activation direction** | N | 20 |
| **Protection class IP** | | IP66/IP67 |
| **mounting position** | | any |
| **Cable gland version** | | 1x (M20 x 1.5) |
| **Design of the electrical connection** | | screw-type terminals |
| **Item designation** | | |

| | |
|---|---|
| • 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 | Test Certificates |
|---|---|---|---|
| CSA, EAC, UL, VDE, EG-Konf. | | | Special Test Certificate |

**other**

Confirmation

## Further information:

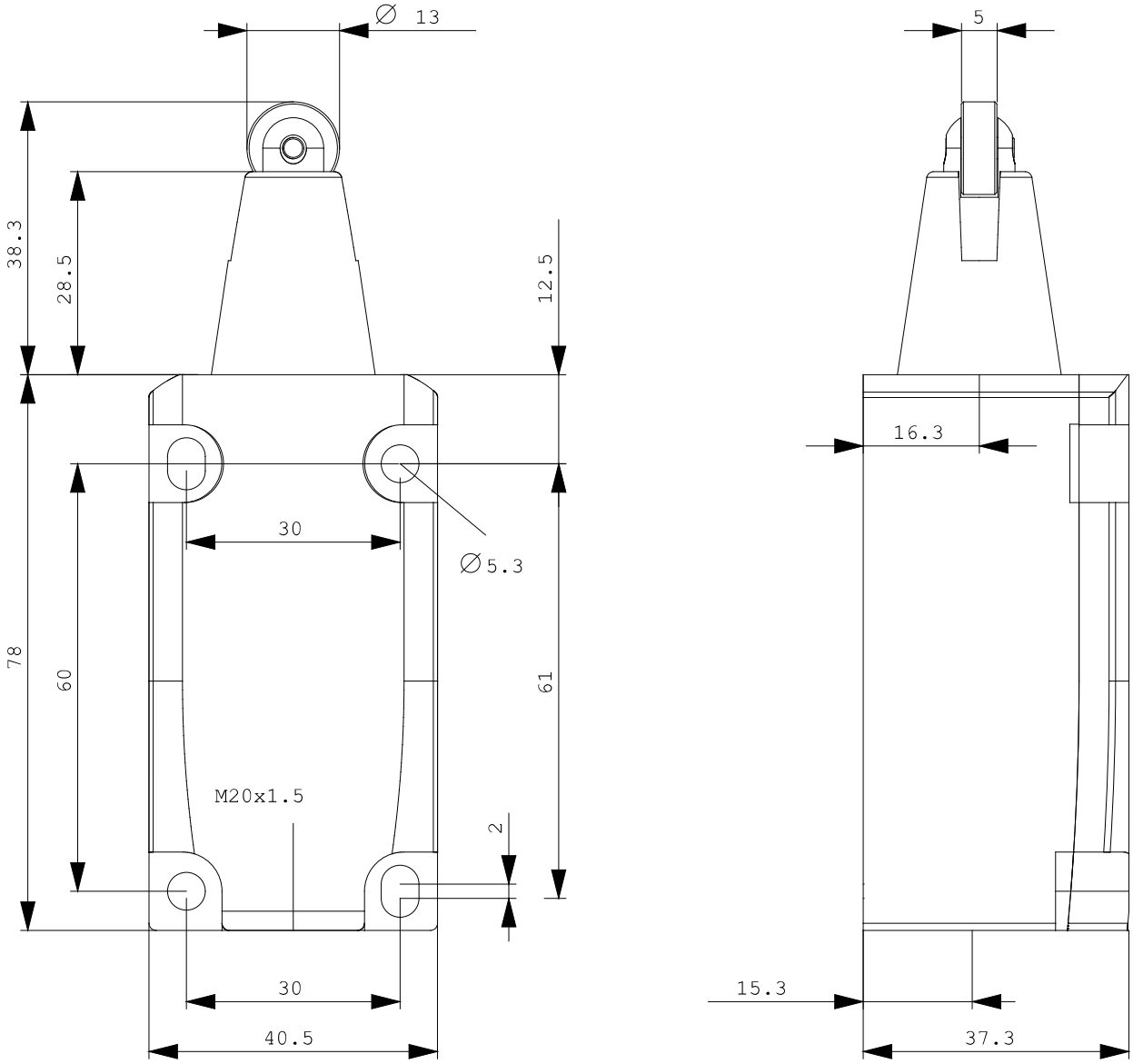
**Information- and Downloadcenter (Catalogs, Brochures,…)**
http://www.siemens.com/industrial-controls/catalogs

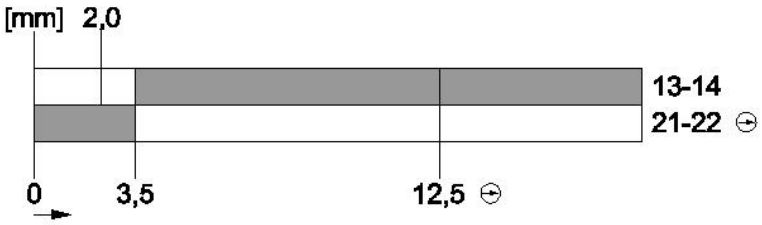
**Industry Mall (Online ordering system)**
http://www.siemens.com/industrial-controls/mall

**CAx-Online-Generator**
http://www.siemens.com/cax

**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
http://support.automation.siemens.com/WW/view/en/3SE5112-0CD02/all

**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SE5112-0CD02






**last change:** Feb 7, 2014