



Position switch in compact design 30 mm wide with connection cable 2 m  
Snap-action contacts 1 NO+1 NC Rounded plunger

|                                                                                                                          |                              |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <b>product brand name</b>                                                                                                | SIRIUS                       |
| <b>product designation</b>                                                                                               | Mechanical position switches |
| <b>product type designation</b>                                                                                          | 3SE5                         |
| suitability for use safety switch                                                                                        | Yes                          |
| <b>General technical data</b>                                                                                            |                              |
| product function positive opening                                                                                        | Yes                          |
| insulation voltage rated value                                                                                           | 400 V                        |
| <b>degree of pollution</b>                                                                                               | 3                            |
| <b>surge voltage resistance rated value</b>                                                                              | 4 kV                         |
| <b>protection class IP</b>                                                                                               | IP67                         |
| <b>shock resistance</b>                                                                                                  |                              |
| • acc. to IEC 60068-2-27                                                                                                 | 30g / 11 ms                  |
| vibration resistance acc. to IEC 60068-2-6                                                                               | 0.35 mm/5g                   |
| mechanical service life (switching cycles) typical                                                                       | 10 000 000                   |
| electrical endurance (switching cycles) at AC-15 at 230 V typical                                                        | 100 000                      |
| <b>electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical</b> | 500 000                      |
| <b>Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026</b>         | 1 800                        |
| <b>thermal current</b>                                                                                                   | 10 A                         |
| <b>material of the enclosure of the switch head</b>                                                                      | metal                        |
| <b>reference code acc. to IEC 81346-2</b>                                                                                | B                            |
| <b>active principle</b>                                                                                                  | mechanical                   |
| <b>repeat accuracy</b>                                                                                                   | 0.05 mm                      |
| Substance Prohibitance (Date)                                                                                            | 01.07.2006 00:00:00          |
| <b>minimum actuating force in directions of actuation</b>                                                                | 20 N                         |
| <b>length of the sensor</b>                                                                                              | 60 mm                        |
| <b>width of the sensor</b>                                                                                               | 30 mm                        |
| <b>design of the switching contact</b>                                                                                   | mechanical                   |
| <b>operating frequency rated value</b>                                                                                   | 50 ... 60 Hz                 |
| <b>number of NC contacts for auxiliary contacts</b>                                                                      | 1                            |
| <b>number of NO contacts for auxiliary contacts</b>                                                                      | 1                            |
| <b>operational current at AC-15</b>                                                                                      |                              |
| • at 125 V rated value                                                                                                   | 6 A                          |
| • at 230 V rated value                                                                                                   | 3 A                          |
| <b>operational current at DC-13</b>                                                                                      |                              |

|                                                          |                                                |
|----------------------------------------------------------|------------------------------------------------|
| • at 125 V rated value                                   | 0.55 A                                         |
| • at 230 V rated value                                   | 0.27 A                                         |
| design of the interface for safety-related communication | without                                        |
| <b>Enclosure</b>                                         |                                                |
| design of the housing                                    | block                                          |
| material of the enclosure                                | metal                                          |
| coating of the enclosure                                 | painted                                        |
| design of the housing acc. to standard                   | No                                             |
| material of cable sheath                                 | PVC                                            |
| <b>Drive Head</b>                                        |                                                |
| design of the actuating element                          | rounded plunger                                |
| shape of the switch head                                 | rounded                                        |
| design of the switching function                         | snap-action contact                            |
| circuit principle                                        | snap-action contacts                           |
| number of switching contacts safety-related              | 1                                              |
| <b>Connections/ Terminals</b>                            |                                                |
| type of electrical connection                            | cable connection 5m x 0.75 mm <sup>2</sup> PVC |
| <b>Communication/ Protocol</b>                           |                                                |
| design of the interface                                  | without                                        |
| <b>Ambient conditions</b>                                |                                                |
| ambient temperature                                      |                                                |
| • during operation                                       | -25 ... +85 °C                                 |
| • during storage                                         | -25 ... +85 °C                                 |
| explosion protection category for dust                   | none                                           |
| <b>Installation/ mounting/ dimensions</b>                |                                                |
| mounting position                                        | any                                            |
| fastening method                                         | screw fixing                                   |
| <b>Certificates/ approvals</b>                           |                                                |
| General Product Approval                                 | Declaration of Conformity                      |



|                           |       |
|---------------------------|-------|
| Declaration of Conformity | other |
|---------------------------|-------|

[Miscellaneous](#)

[Confirmation](#)

#### Further information

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

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5413-0CC20-1EA2>

Cax online generator

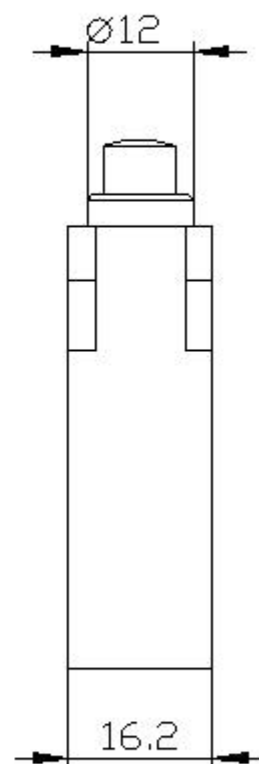
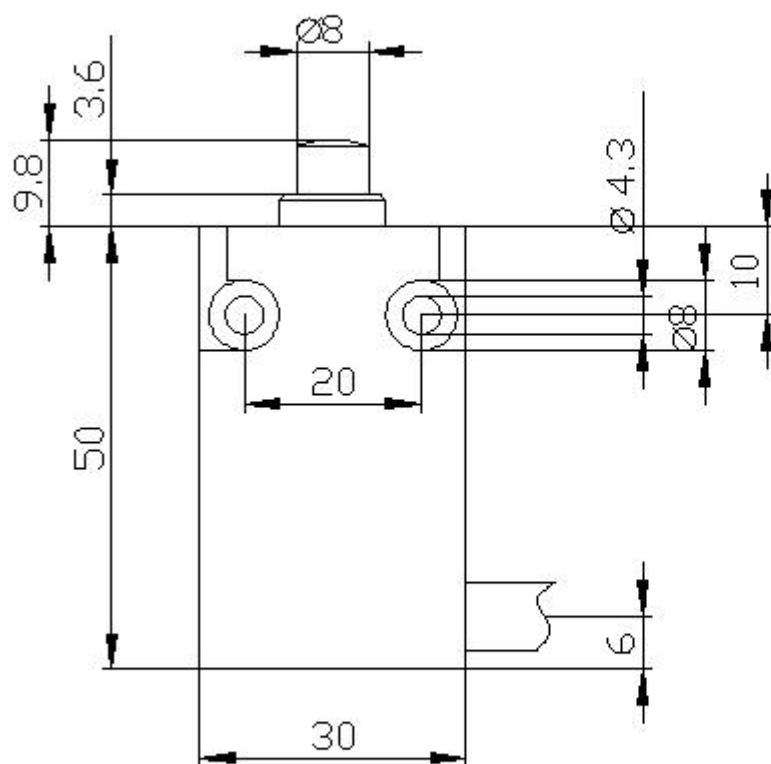
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5413-0CC20-1EA2>

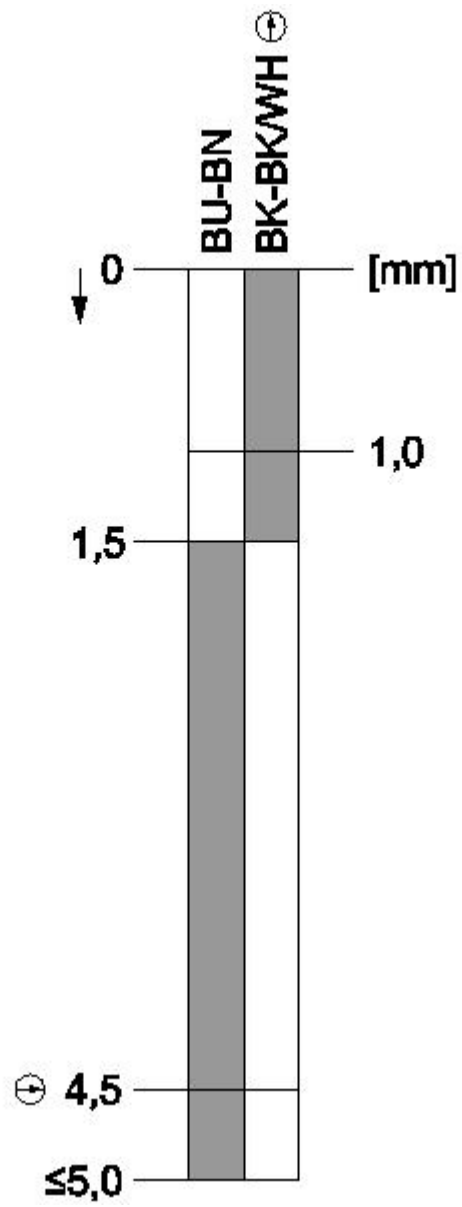
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5413-0CC20-1EA2>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5413-0CC20-1EA2&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5413-0CC20-1EA2&lang=en)





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