



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

|                                                                   |                              |
|-------------------------------------------------------------------|------------------------------|
| product brand name                                                | SIRIUS                       |
| product designation                                               | Mechanical position switches |
| product type designation                                          | 3SE5                         |
| suitability for use safety switch                                 | Yes                          |
| <b>General technical data</b>                                     |                              |
| product function positive opening                                 | Yes                          |
| insulation voltage rated value                                    | 400 V                        |
| degree of pollution                                               | 3                            |
| surge voltage resistance rated value                              | 4 kV                         |
| protection class IP                                               | IP67                         |
| shock resistance                                                  |                              |
| • according to IEC 60068-2-27                                     | 30g / 11 ms                  |
| mechanical service life (operating cycles) typical                | 5 000 000                    |
| electrical endurance (operating cycles) at AC-15 at 230 V typical | 100 000                      |
| thermal current                                                   | 10 A                         |
| material of the enclosure of the switch head                      | stainless steel              |
| reference code according to IEC 81346-2                           | B                            |
| active principle                                                  | mechanical                   |
| repeat accuracy                                                   | 0.05 mm                      |
| Substance Prohibitance (Date)                                     | 07/01/2006                   |
| minimum actuating force in directions of actuation                | 15 N                         |
| length of the sensor                                              | 70 mm                        |
| width of the sensor                                               | 30 mm                        |
| <b>Ambient conditions</b>                                         |                              |
| ambient temperature                                               |                              |
| • during operation                                                | -25 ... +85 °C               |
| • during storage                                                  | -25 ... +85 °C               |
| explosion protection category for dust                            | none                         |
| design of the switching contact                                   | mechanical                   |
| operating frequency rated value                                   | 50 ... 60 Hz                 |
| number of NC contacts for auxiliary contacts                      | 1                            |
| number of NO contacts for auxiliary contacts                      | 1                            |
| operational current at AC-15                                      |                              |
| • at 125 V rated value                                            | 6 A                          |
| • at 230 V rated value                                            | 3 A                          |
| operational current at DC-13                                      |                              |
| • at 125 V rated value                                            | 0.55 A                       |
| • at 230 V rated value                                            | 0.27 A                       |
| <b>Enclosure</b>                                                  |                              |

|                                                          |                                |
|----------------------------------------------------------|--------------------------------|
| design of the housing                                    | block                          |
| material of the enclosure                                | metal                          |
| coating of the enclosure                                 | painted                        |
| design of the housing according to standard              | No                             |
| material of cable sheath                                 | PVC                            |
| <b>Drive Head</b>                                        |                                |
| design of the actuating element                          | roller plunger                 |
| shape of the switch head                                 | roller                         |
| design of the switching function                         | positive opening               |
| circuit principle                                        | snap-action contacts           |
| number of switching contacts safety-related              | 1                              |
| <b>Installation/ mounting/ dimensions</b>                |                                |
| mounting position                                        | any                            |
| fastening method                                         | screw fixing                   |
| <b>Connections/ Terminals</b>                            |                                |
| type of electrical connection                            | cable, 5 x 0.75mm <sup>2</sup> |
| design of the interface for safety-related communication | without                        |
| <b>Communication/ Protocol</b>                           |                                |
| design of the interface                                  | without                        |
| <b>Approvals Certificates</b>                            |                                |
| <b>General Product Approval</b>                          |                                |



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|                               |       |             |
|-------------------------------|-------|-------------|
| General Product Ap-<br>proval | other | Environment |
|-------------------------------|-------|-------------|



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firmations](#)

#### Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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=3SE5413-0CD20-1EA2>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5413-0CD20-1EA2>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5413-0CD20-1EA2>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5413-0CD20-1EA2&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5413-0CD20-1EA2&lang=en)



