



Position switch in compact design 30 mm wide with connecting cable 5 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                  |
| vibration resistance according to IEC 60068-2-6                   | 0.35 mm/5g                   |
| 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                       |

| Enclosure  |                                |
|--|--------------------------------|
| 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                            |
| Drive Head   |                                |
| design of the actuating element                          | roller plunger                 |
| shape of the switch head                                 | roller                         |
| design of the switching function                         | snap-action contact            |
| circuit principle  | snap-action contacts           |
| number of switching contacts safety-related              | 1                              |
| Installation/ mounting/ dimensions                       |                                |
| mounting position  | any                            |
| fastening method   | screw fixing                   |
| Connections/ Terminals                                   |                                |
| type of electrical connection                            | cable, 5 x 0.75mm <sup>2</sup> |
| design of the interface for safety-related communication | without                        |
| Communication/ Protocol                                  |                                |
| design of the interface                                  | without                        |
| Certificates/ approvals                                  |                                |
| General Product Approval                                 | Declaration of Conformity      |

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other

[Confirmation](#)

#### Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3SE5413-0CD20-1EA5>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5413-0CD20-1EA5>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5413-0CD20-1EA5>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5413-0CD20-1EA5&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5413-0CD20-1EA5&lang=en)



