



Position switch Plastic enclosure open type 30 mm 1 NO/1 NC slow-action contacts Metal plunger, IP20

|                                                                   |                                                         |
|-------------------------------------------------------------------|---------------------------------------------------------|
| product brand name                                                | SIRIUS                                                  |
| product designation                                               | Open-type position switches                             |
| product type designation                                          | 3SE5                                                    |
| manufacturer's article number                                     |                                                         |
| • of the supplied switching contacts                              | <a href="#">3SE5000-0BA00</a>                           |
| 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                                               | class 3                                                 |
| surge voltage resistance rated value                              | 6 kV                                                    |
| protection class IP                                               | IP20, conductor connected and clamping screw screwed in |
| shock resistance                                                  |                                                         |
| • according to IEC 60068-2-27                                     | 30g / 11 ms                                             |
| mechanical service life (operating cycles) typical                | 15 000 000                                              |
| • note                                                            | 1000000 at 30° angle of approach                        |
| 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                      | plastic                                                 |
| reference code according to IEC 81346-2                           | B                                                       |
| continuous current of the C characteristic MCB                    | 1 A; for a short-circuit current smaller than 400 A     |
| continuous current of the quick DIAZED fuse link                  | 10 A; for a short-circuit current smaller than 400 A    |
| continuous current of the DIAZED fuse link gG                     | 6 A                                                     |
| active principle                                                  | mechanical                                              |
| repeat accuracy                                                   | 0.05 mm                                                 |
| Substance Prohibitance (Date)                                     | 07/01/2006                                              |
| minimum actuating force in directions of actuation                | 20 N                                                    |
| length of the sensor                                              | 59.2 mm                                                 |
| width of the sensor                                               | 30 mm                                                   |
| <b>Ambient conditions</b>                                         |                                                         |
| ambient temperature                                               |                                                         |
| • during operation                                                | -25 ... +85 °C                                          |
| • during storage                                                  | -40 ... +90 °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                                      |                                                         |

|                                                                                                                                                                                  |                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• at 24 V rated value</li> <li>• at 120 V rated value</li> <li>• at 240 V rated value</li> <li>• at 400 V rated value</li> </ul>          | 6 A<br>6 A<br>6 A<br>4 A                                                                                                                                       |
| <b>operational current at DC-13</b>                                                                                                                                              |                                                                                                                                                                |
| <ul style="list-style-type: none"> <li>• at 24 V rated value</li> <li>• at 125 V rated value</li> <li>• at 250 V rated value</li> <li>• at 400 V rated value</li> </ul>          | 3 A<br>0.55 A<br>0.27 A<br>0.12 A                                                                                                                              |
| <b>Enclosure</b>                                                                                                                                                                 |                                                                                                                                                                |
| <b>material of the enclosure</b>                                                                                                                                                 | plastic, open-type                                                                                                                                             |
| <b>coating of the enclosure</b>                                                                                                                                                  | Other types                                                                                                                                                    |
| <b>design of the housing according to standard</b>                                                                                                                               | No                                                                                                                                                             |
| <b>Drive Head</b>                                                                                                                                                                |                                                                                                                                                                |
| <b>design of the actuating element</b>                                                                                                                                           | Rounded plunger, metal plunger                                                                                                                                 |
| <b>standard-compliant actuator head</b>                                                                                                                                          | EN 50047, design B                                                                                                                                             |
| <b>shape of the switch head</b>                                                                                                                                                  | rounded                                                                                                                                                        |
| <b>design of the switching function</b>                                                                                                                                          | positive opening                                                                                                                                               |
| <b>circuit principle</b>                                                                                                                                                         | slow-action contacts                                                                                                                                           |
| <b>number of switching contacts safety-related</b>                                                                                                                               | 1                                                                                                                                                              |
| <b>Installation/ mounting/ dimensions</b>                                                                                                                                        |                                                                                                                                                                |
| <b>mounting position</b>                                                                                                                                                         | any                                                                                                                                                            |
| <b>fastening method</b>                                                                                                                                                          | screw fixing                                                                                                                                                   |
| <b>Connections/ Terminals</b>                                                                                                                                                    |                                                                                                                                                                |
| <b>type of electrical connection</b>                                                                                                                                             | screw terminal                                                                                                                                                 |
| <b>type of connectable conductor cross-sections</b>                                                                                                                              |                                                                                                                                                                |
| <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded with core end processing</li> <li>• for AWG cables solid</li> <li>• for AWG cables stranded</li> </ul> | 1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²)<br>1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²)<br>1x (20 ... 16), 2x (20 ... 18)<br>1x (20 ... 16), 2x (20 ... 18) |
| <b>design of the interface for safety-related communication</b>                                                                                                                  | without                                                                                                                                                        |
| <b>Communication/ Protocol</b>                                                                                                                                                   |                                                                                                                                                                |
| <b>design of the interface</b>                                                                                                                                                   | without                                                                                                                                                        |
| <b>Approvals Certificates</b>                                                                                                                                                    |                                                                                                                                                                |
| <b>General Product Approval</b>                                                                                                                                                  |                                                                                                                                                                |

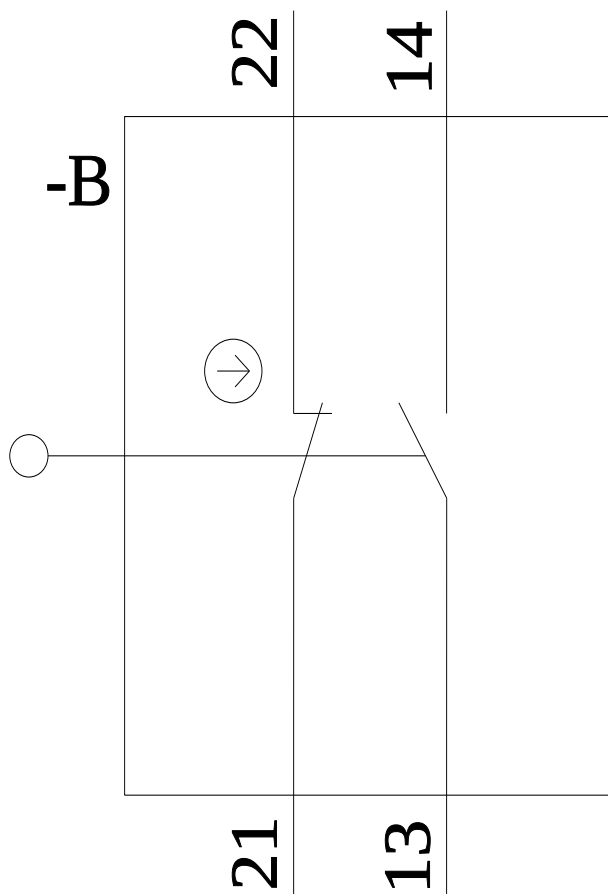
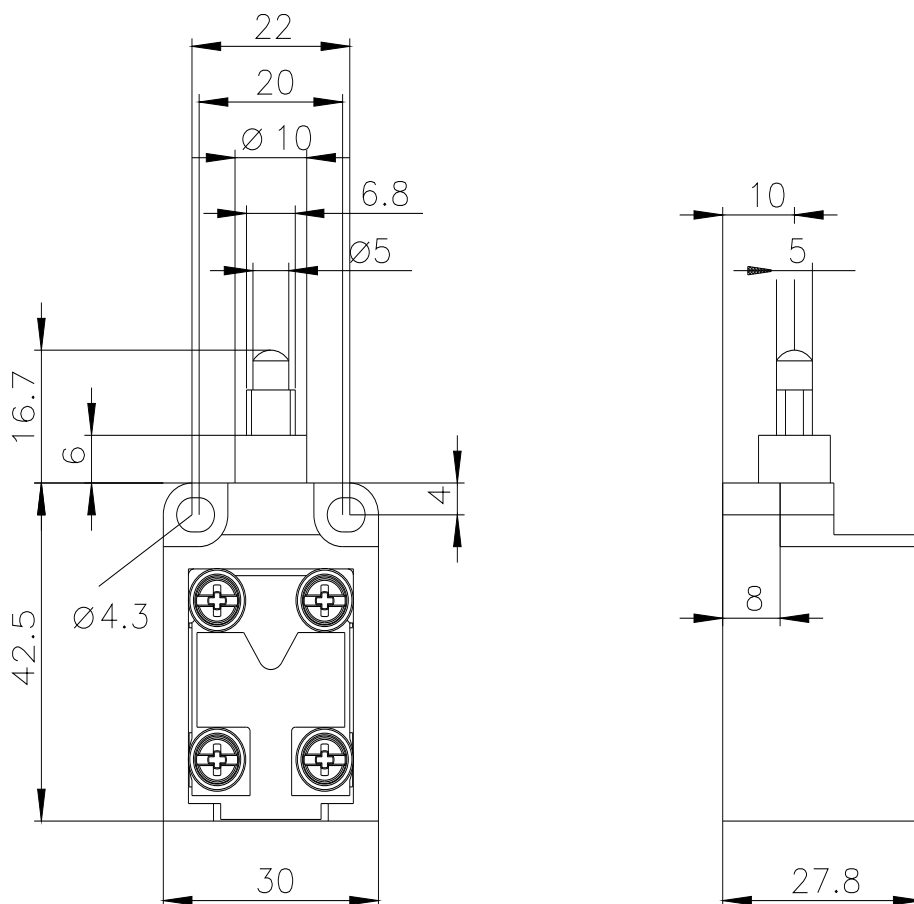


[Confirmation](#)



| General Product Approval | Functional Safety | Test Certificates | other                                              | Environment                                 |
|--------------------------|-------------------|-------------------|----------------------------------------------------|---------------------------------------------|
| <a href="#">KC</a>       |                   |                   | <a href="#">Type Test Certificates/Test Report</a> | <a href="#">Confirmation</a>                |
|                          |                   |                   |                                                    | <a href="#">Environmental Confirmations</a> |

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| <b>Further information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <p>Information on the packaging<br/> <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a></p> <p>Information- and Downloadcenter (Catalogs, Brochures,...)<br/> <a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a></p> <p>Industry Mall (Online ordering system)<br/> <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5250-0BC05">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5250-0BC05</a></p> <p>Cax online generator<br/> <a href="http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SE5250-0BC05">http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3SE5250-0BC05</a></p> <p>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)<br/> <a href="https://support.industry.siemens.com/cs/ww/en/ps/3SE5250-0BC05">https://support.industry.siemens.com/cs/ww/en/ps/3SE5250-0BC05</a></p> <p>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)<br/> <a href="http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5250-0BC05&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5250-0BC05&amp;lang=en</a></p> |





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