



Position switch Metal enclosure 40 mm according to EN 50041 Device connection 1x (M20 x 1.5) 1 NO/1 NC quick action contacts Rotary actuator right/left adjustable, with angled adjustable-length metal lever and plastic roller 22 mm customized Head rotated by 270°

|                                                                   |                                                                              |
|-------------------------------------------------------------------|------------------------------------------------------------------------------|
| product brand name                                                | SIRIUS                                                                       |
| product designation                                               | Mechanical position switches                                                 |
| product type designation                                          | 3SE5                                                                         |
| manufacturer's article number                                     |                                                                              |
| • of the supplied basic switch                                    | <a href="#">3SE5112-0CA00</a>                                                |
| • of the supplied actuator head for position switches             | <a href="#">3SE5000-0AH00</a>                                                |
| • of the supplied operating lever                                 | <a href="#">3SE5000-0AA56</a>                                                |
| • of the supplied switching contacts                              | <a href="#">3SE5000-0CA00</a>                                                |
| suitability for use safety switch                                 | No                                                                           |
| <b>General technical data</b>                                     |                                                                              |
| product function positive opening                                 | No                                                                           |
| insulation voltage rated value                                    | 400 V                                                                        |
| degree of pollution                                               | class 3                                                                      |
| surge voltage resistance rated value                              | 6 kV                                                                         |
| protection class IP                                               | IP66/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                | 15 000 000                                                                   |
| 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                      | 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                                                                   |
| SVHC substance name                                               | Lead - 7439-92-1<br>Imidazolidine-2-thione (2-imidazoline-2-thiol) - 96-45-7 |
| Net Weight                                                        | 0.37 kg                                                                      |
| minimum actuating torque in directions of actuation               | 0.25 N·m                                                                     |
| length of the sensor                                              | 146 mm                                                                       |
| width of the sensor                                               | 40 mm                                                                        |
| <b>Ambient conditions</b>                                         |                                                                              |
| ambient temperature                                               |                                                                              |
| • during operation                                                | -25 ... +85 °C                                                               |
| • during storage                                                  | -40 ... +90 °C                                                               |

|                                                                                                                                                                                                                       |                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| explosion protection category for dust                                                                                                                                                                                | none                                                                                                                                                           |
| <b>Main circuit</b>                                                                                                                                                                                                   |                                                                                                                                                                |
| 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 125 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                                                                                                                                       |
| operational current at DC-13 <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>                                                                                                                                                                                                      |                                                                                                                                                                |
| design of the housing                                                                                                                                                                                                 | block, narrow                                                                                                                                                  |
| material of the enclosure                                                                                                                                                                                             | metal                                                                                                                                                          |
| coating of the enclosure                                                                                                                                                                                              | cathodic dip coating                                                                                                                                           |
| design of the housing according to standard                                                                                                                                                                           | Yes                                                                                                                                                            |
| <b>Drive Head</b>                                                                                                                                                                                                     |                                                                                                                                                                |
| design of the actuating element                                                                                                                                                                                       | Adjustable twist lever, adjustable-length metal lever, plastic roller 22 mm, adapter, screw                                                                    |
| standard-compliant actuator head                                                                                                                                                                                      | EN 50041, design A                                                                                                                                             |
| shape of the switch head                                                                                                                                                                                              | roller                                                                                                                                                         |
| circuit principle                                                                                                                                                                                                     | snap-action contacts                                                                                                                                           |
| number of switching contacts safety-related                                                                                                                                                                           | 0                                                                                                                                                              |
| cable entry type                                                                                                                                                                                                      | 1x (M20 x 1.5)                                                                                                                                                 |
| <b>Installation/ mounting/ dimensions</b>                                                                                                                                                                             |                                                                                                                                                                |
| mounting position                                                                                                                                                                                                     | any                                                                                                                                                            |
| fastening method                                                                                                                                                                                                      | screw fixing                                                                                                                                                   |
| <b>Connections/ Terminals</b>                                                                                                                                                                                         |                                                                                                                                                                |
| type of electrical connection                                                                                                                                                                                         | screw terminal                                                                                                                                                 |
| type of connectable conductor cross-sections <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) |
| design of the interface for safety-related communication                                                                                                                                                              | without                                                                                                                                                        |
| <b>Communication/ Protocol</b>                                                                                                                                                                                        |                                                                                                                                                                |
| design of the interface                                                                                                                                                                                               | without                                                                                                                                                        |
| <b>Approvals Certificates</b>                                                                                                                                                                                         |                                                                                                                                                                |
| General Product Approval                                                                                                                                                                                              | Functional Safety                                                                                                                                              |



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#### Further information

Information on the packaging

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5112-0CH56-1AK8&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5112-0CH56-1AK8&lang=en)



