



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 adjustable-length stainless steel lever 100 mm long and with positive fit (grid hole) and plastic roller 19 mm functional at -40 °C Shock and vibration test according to EN 61373, Category 1B

|                                                                   |                                                      |
|-------------------------------------------------------------------|------------------------------------------------------|
| 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-OCA00-1AJ0</a>                   |
| • of the supplied actuator head for position switches             | <a href="#">3SE5000-0AH00-1AJ0</a>                   |
| • of the supplied operating lever                                 | <a href="#">3SE5000-0AA62-1AJ0</a>                   |
| • of the supplied switching contacts                              | <a href="#">3SE5000-OCA00</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                                               | IP66/IP67                                            |
| shock resistance                                                  |                                                      |
| • according to IEC 60068-2-27                                     | 30g / 11 ms                                          |
| • for railway applications according to EN 61373                  | Category 1, Class B                                  |
| 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                                           |
| Weight                                                            | 0.36 kg                                              |
| minimum actuating torque in directions of actuation               | 0.25 N·m                                             |
| length of the sensor                                              | 192 mm                                               |
| width of the sensor                                               | 40 mm                                                |
| <b>Ambient conditions</b>                                         |                                                      |
| ambient temperature                                               |                                                      |
| • during operation                                                | -40 ... +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                 |              |
| • at 24 V rated value                        | 6 A          |
| • at 125 V rated value                       | 6 A          |
| • at 240 V rated value                       | 6 A          |
| • at 400 V rated value                       | 4 A          |
| operational current at DC-13                 |              |
| • at 24 V rated value                        | 3 A          |
| • at 125 V rated value                       | 0.55 A       |
| • at 250 V rated value                       | 0.27 A       |
| • at 400 V rated value                       | 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 high-grade steel lever with ratchet, plastic roller 19 mm |
| standard-compliant actuator head            | EN 50041, design A                                                                                  |
| 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                                                                                                   |
| 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             |                                                                       |
| • solid                                                  | 1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> ) |
| • finely stranded with core end processing               | 1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> ) |
| • for AWG cables solid                                   | 1x (20 ... 16), 2x (20 ... 18)                                        |
| • for AWG cables stranded                                | 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      | Test Certificates |



[Type Test Certificates/Test Report](#)

|       |             |
|-------|-------------|
| other | Environment |
|-------|-------------|



[Confirmation](#)

[Environmental Conformations](#)

|                                                                                                                                         |  |
|-----------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Further information</b>                                                                                                              |  |
| Information on the packaging                                                                                                            |  |
| <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a> |  |
| Information for data generation and storage                                                                                             |  |

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5112-0CH62-1AJ0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5112-0CH62-1AJ0&lang=en)



