



Position switch Plastic enclosure according to EN 50047, 31 mm Device connection 1 x (M20 x 1.5) 1 NO/1 NC quick action contacts integrated (not replaceable) Spring rod

|                                                                   |                                                          |
|-------------------------------------------------------------------|----------------------------------------------------------|
| product brand name                                                | SIRIUS                                                   |
| product designation                                               | Mechanical position switches                             |
| product type designation                                          | 3SE5                                                     |
| manufacturer's article number                                     |                                                          |
| • of the supplied actuator head for position switches             | <a href="#">3SE5000-0AR01</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                                               | IP65                                                     |
| 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                | 10 000 000                                               |
| 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; for a short-circuit current smaller than 400 A      |
| active principle                                                  | mechanical                                               |
| repeat accuracy                                                   | 0.05 mm                                                  |
| Substance Prohibitance (Date)                                     | 07/01/2006                                               |
| SVHC substance name                                               | Imidazolidine-2-thione (2-imidazoline-2-thiol) - 96-45-7 |
| Weight                                                            | 0.12 kg                                                  |
| minimum actuating torque in directions of actuation               | 0.25 N·m                                                 |
| length of the sensor                                              | 210.3 mm                                                 |
| width of the sensor                                               | 31 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                 |              |
| • at 24 V rated value                        | 6 A          |
| • at 120 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                   | plastic       |
| coating of the enclosure                    | Other types   |
| design of the housing according to standard | Yes           |

|                                             |                                                                             |
|---------------------------------------------|-----------------------------------------------------------------------------|
| <b>Drive Head</b>                           |                                                                             |
| design of the actuating element             | Spring rod, compl. Length = 142.5 mm (spring 50 mm + plastic plunger 50 mm) |
| standard-compliant actuator head            | EN 50047                                                                    |
| outer diameter of the switch head           | 7 mm                                                                        |
| 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             |                                             |
| • solid                                                  | 1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²) |
| • finely stranded with core end processing               | 1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²) |
| • 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      | Functional Safety |



|                   |       |             |
|-------------------|-------|-------------|
| Test Certificates | other | Environment |
|-------------------|-------|-------------|

[Type Test Certificates/Test Report](#)



[Confirmation](#)

[Environmental Confirmations](#)

|                            |
|----------------------------|
| <b>Further information</b> |
|----------------------------|

Information on the packaging

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

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3SE5232-0HR01>



