



Position switch Plastic enclosure, 50 mm Device connection 2 x (M20 x 1.5) 1 NO/2 NC quick action contacts with M12 connector, 4-pole on the right, 2 NC connected Pin assignment: Pin1=21, Pin2=22 Pin3=31, Pin4=32 max. 250 V and 4 A Roller lever with plastic roller 13 mm

|                                                                   |                                                                              |
|-------------------------------------------------------------------|------------------------------------------------------------------------------|
| 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="#">3SE5000-0AE10</a>                                                |
| • of the supplied switching contacts                              | <a href="#">3SE5000-0LA00</a>                                                |
| suitability for use safety switch                                 | Yes                                                                          |
| <b>General technical data</b>                                     |                                                                              |
| product function positive opening                                 | Yes                                                                          |
| insulation voltage rated value                                    | 250 V                                                                        |
| degree of pollution                                               | class 3                                                                      |
| surge voltage resistance rated value                              | 3 kV                                                                         |
| protection class IP                                               | IP66/IP67                                                                    |
| shock resistance                                                  |                                                                              |
| • according to IEC 60068-2-27                                     | 30g / 11 ms                                                                  |
| mechanical service life (operating cycles) typical                | 15 000 000                                                                   |
| electrical endurance (operating cycles) at AC-15 at 230 V typical | 100 000                                                                      |
| thermal current                                                   | 4 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                  | 4 A; for a short-circuit current smaller than 400 A                          |
| continuous current of the DIAZED fuse link gG                     | 4 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 |
| minimum actuating force in directions of actuation                | 10 N                                                                         |
| length of the sensor                                              | 91.5 mm                                                                      |
| width of the sensor                                               | 50 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                      | 2                                                                            |
| number of NO contacts for auxiliary contacts                      | 0                                                                            |

|                                                          |                                                                           |
|----------------------------------------------------------|---------------------------------------------------------------------------|
| <b>operational current at AC-15</b>                      |                                                                           |
| • at 24 V rated value                                    | 4 A                                                                       |
| • at 125 V rated value                                   | 4 A                                                                       |
| • at 240 V rated value                                   | 4 A                                                                       |
| <b>operational current at DC-13</b>                      |                                                                           |
| • at 24 V rated value                                    | 3 A                                                                       |
| • at 125 V rated value                                   | 0.55 A                                                                    |
| • at 250 V rated value                                   | 0.27 A                                                                    |
| <b>Enclosure</b>                                         |                                                                           |
| <b>design of the housing</b>                             | block, wide                                                               |
| <b>material of the enclosure</b>                         | plastic                                                                   |
| <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>                   | Roller lever, metal lever, plastic roller                                 |
| <b>standard-compliant actuator head</b>                  | EN 50047, design E                                                        |
| <b>shape of the switch head</b>                          | roller                                                                    |
| <b>design of the switching function</b>                  | positive opening                                                          |
| <b>circuit principle</b>                                 | snap-action contacts                                                      |
| number of switching contacts safety-related              | 2                                                                         |
| <b>cable entry type</b>                                  | M12 plug                                                                  |
| <b>design of plug-in connection</b>                      | M12 plug, 4-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 31, Pin 4 = 32 |
| <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>                     | M12 plug, fixed                                                           |
| design of the interface for safety-related communication | without                                                                   |
| <b>Communication/ Protocol</b>                           |                                                                           |
| <b>design of the interface</b>                           | without                                                                   |
| <b>Approvals Certificates</b>                            |                                                                           |
| <b>General Product Approval</b>                          |                                                                           |



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| General Product Approval | Functional Safety | Test Certificates | other | Environment |
|--------------------------|-------------------|-------------------|-------|-------------|
|--------------------------|-------------------|-------------------|-------|-------------|



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##### 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=3SE5244-0LE10-1AE0>

##### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5244-0LE10-1AE0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5244-0LE10-1AE0>

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

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