



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 (replaceable), rounded plunger form B

|                                                                   |                                                          |
|-------------------------------------------------------------------|----------------------------------------------------------|
| product brand name                                                | SIRIUS                                                   |
| product designation                                               | Mechanical position switches                             |
| product type designation                                          | 3SE5                                                     |
| manufacturer's article number                                     |                                                          |
| • of the supplied switching contacts                              | <a href="#">3SE5000-0CA00</a>                            |
| • of the supplied empty enclosure with cover                      | <a href="#">3SE5232-0AC05</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                                               | IP65                                                     |
| 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                                                   | 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                                               | Imidazolidine-2-thione (2-imidazoline-2-thiol) - 96-45-7 |
| minimum actuating force in directions of actuation                | 20 N                                                     |
| length of the sensor                                              | 75.7 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                                                     |
| 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                                                        |

|                                                                 |                                                                       |
|-----------------------------------------------------------------|-----------------------------------------------------------------------|
| <b>operational current at AC-15</b>                             |                                                                       |
| • 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                                                                   |
| <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                                                                |
| • at 400 V rated value                                          | 0.12 A                                                                |
| <b>Enclosure</b>                                                |                                                                       |
| <b>design of the housing</b>                                    | block, narrow                                                         |
| <b>material of the enclosure</b>                                | plastic                                                               |
| <b>coating of the enclosure</b>                                 | Other types                                                           |
| <b>design of the housing according to standard</b>              | Yes                                                                   |
| <b>Drive Head</b>                                               |                                                                       |
| <b>design of the actuating element</b>                          | Rounded plunger, plastic 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>                                        | snap-action contacts                                                  |
| <b>number of switching contacts safety-related</b>              | 1                                                                     |
| <b>cable entry type</b>                                         | 1x (M20 x 1.5)                                                        |
| <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>             |                                                                       |
| • 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)                                        |
| <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](#)



[KC](#)

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



[Type Test Certificates/Test Report](#)

[Confirmation](#)

[Environmental Confirmations](#)

#### Further information

Information on the packaging

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

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

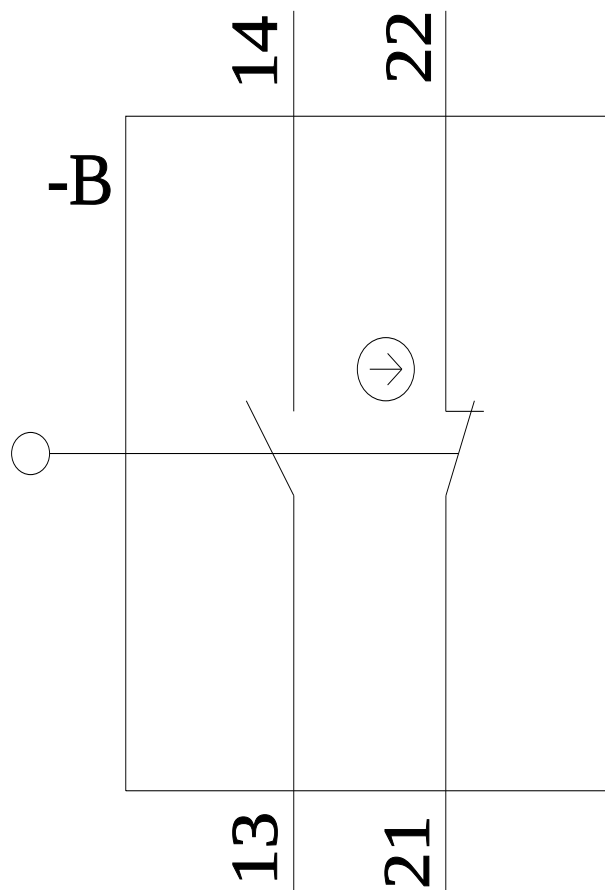
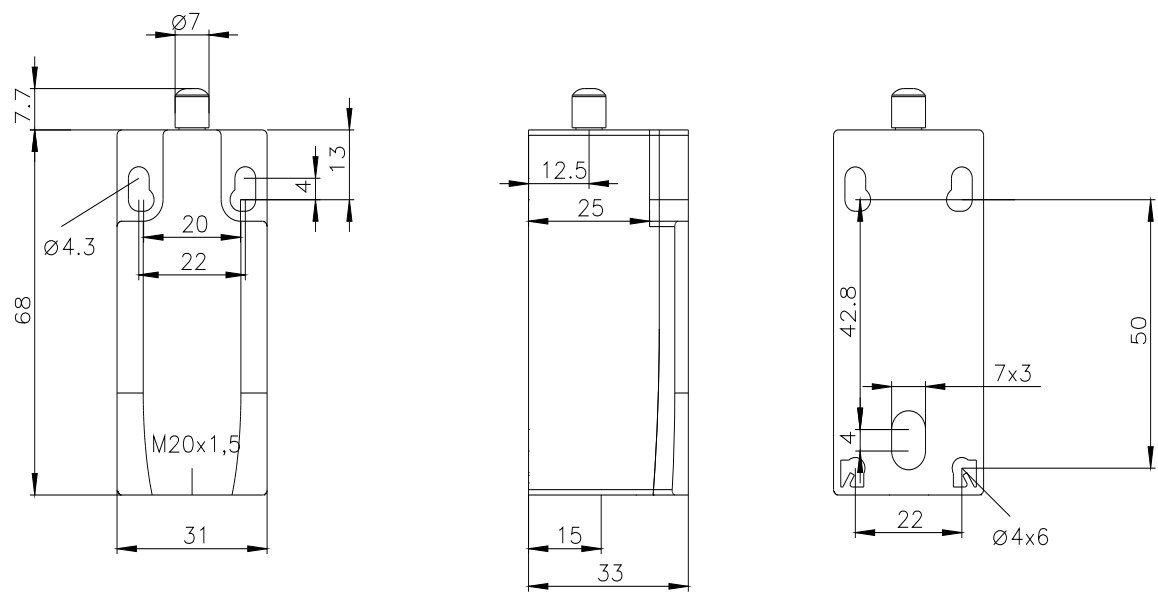
Industry Mall (Online ordering system)

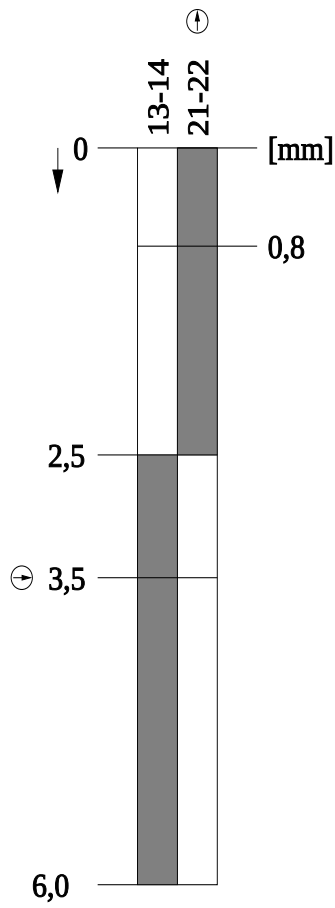
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5232-0CC05>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5232-0CC05>

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





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4/8/2024 