



Safety position switch with separate actuator Plastic enclosure, 31 mm Device connection 1x (M20x 1.5) Slow-action contacts 2 NC/1 NO, 5 directions of approach, The matching separate actuator 3SE5000-0AV0. must be ordered separately

|                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| product brand name                                                                                        | SIRIUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| product designation                                                                                       | Mechanical safety switches                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| product type designation                                                                                  | 3SE5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| manufacturer's article number <ul style="list-style-type: none"> <li>of the optional actuators</li> </ul> | 3SE5000-0AV01 standard actuator, 3SE5000-0AV02 actuator with vertical fixing, 3SE5000-0AV03 actuator with transverse fixing, 3SE5000-0AV04 radius actuator, approach from left, 3SE5000-0AV05 universal actuator, 3SE5000-0AV06 radius actuator, approach from right, 3SE5000-0AV07 Heavy Duty actuator, 3SE5000-0AW42 actuator with vertical fixing, stainless steel socket, 3SE5000-0AW43 actuator with transverse fixing, stainless steel socket, 3SE5000-0AW51 stainless steel actuator, 3SE5000-0AW52 stainless steel actuator with vertical fixing, 3SE5000-0AW53 stainless steel actuator with transverse fixing, 3SE5000-0AW11 plastic actuator |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| shock resistance <ul style="list-style-type: none"> <li>according to IEC 60068-2-27</li> </ul>            | 30g / 11 ms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| vibration resistance <ul style="list-style-type: none"> <li>according to IEC 60068-2-6</li> </ul>         | 0.35 mm/5g                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| mechanical service life (operating cycles) typical                                                        | 1 000 000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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                                                                                                    | 0.119 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| minimum actuating force in directions of actuation                                                        | 20 N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| length of the sensor                                                                                      | 104 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| width of the sensor                                                                                       | 31 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Ambient conditions</b>                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ambient temperature <ul style="list-style-type: none"> <li>during operation</li> </ul>                    | -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                                 | 2                                           |
| 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                                                       | 4 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                                              | without                                     |
| standard-compliant actuator head                                             | EN 50047                                    |
| design of the switching function                                             | positive opening                            |
| circuit principle                                                            | slow-action contacts                        |
| number of switching contacts safety-related                                  | 2                                           |
| 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>Safety related data</b>                                                   |                                             |
| proportion of dangerous failures with high demand rate according to SN 31920 | 20 %                                        |
| B10 value with high demand rate according to SN 31920                        | 1 000 000                                   |
| <b>Approvals Certificates</b>                                                |                                             |
| General Product Approval                                                     |                                             |



[Confirmation](#)



|                   |                   |       |             |
|-------------------|-------------------|-------|-------------|
| 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=3SE5232-0QV40>

### Cax online generator

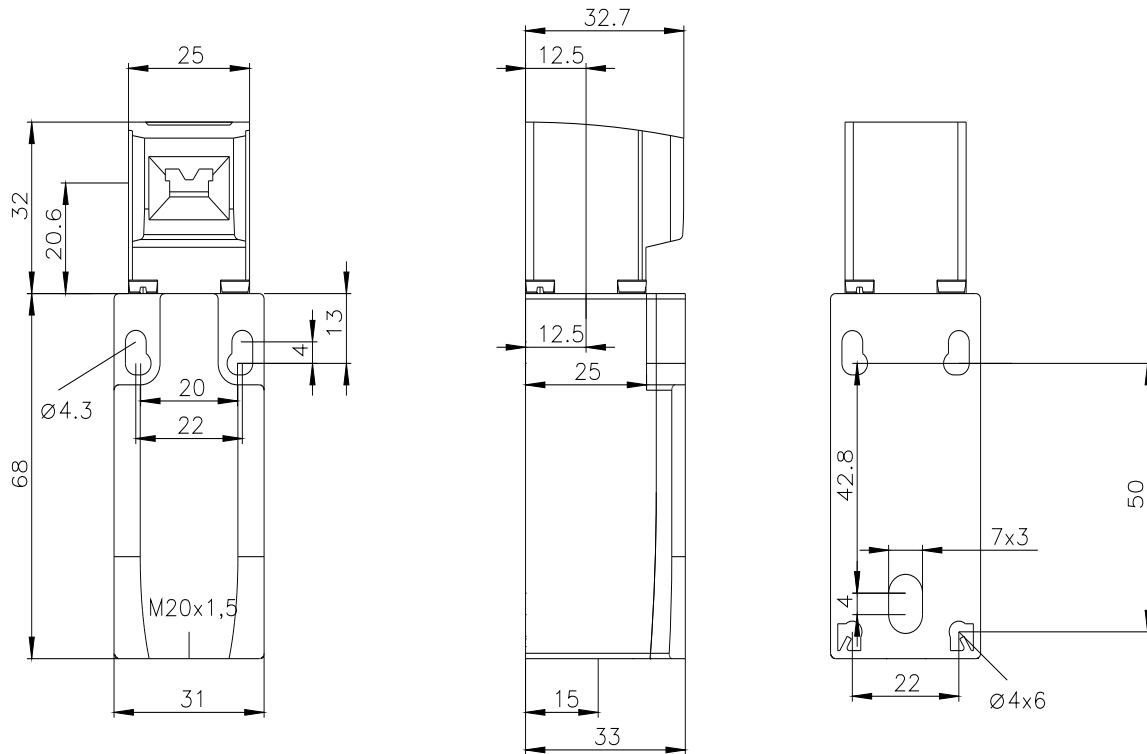
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5232-0QV40>

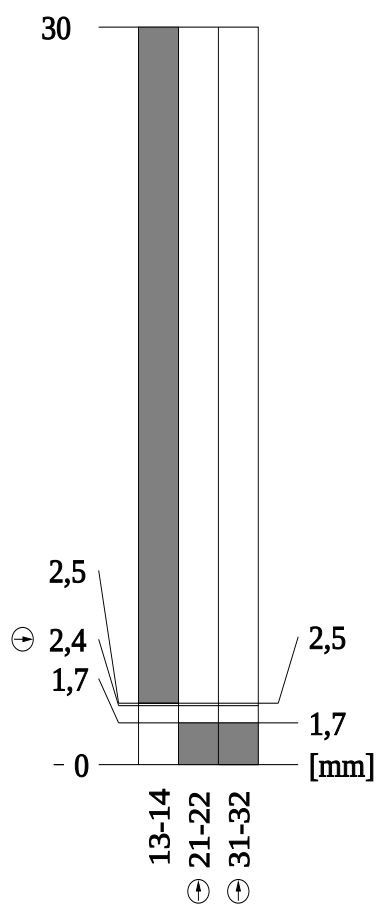
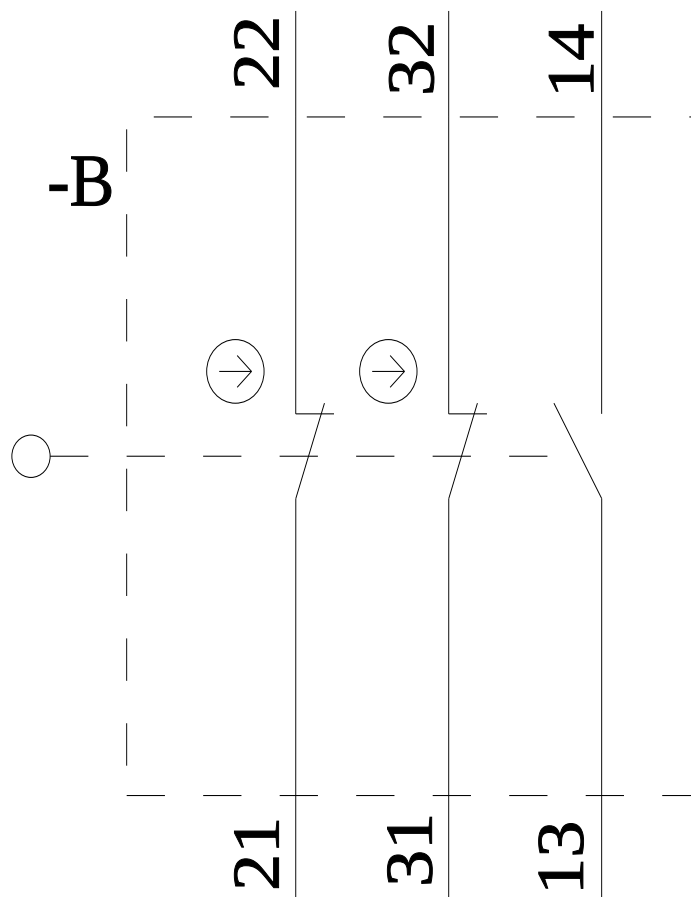
### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5232-0QV40>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5232-0QV40&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5232-0QV40&lang=en)





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