



Safety position switch with tumbler Locking force 1300 N 5 directions of approaches Spring-locked Emergency release at the rear and Auxiliary release on front Magnet voltage 24 V DC Monitoring actuator 2 NC/1 NO Monitoring magnet 2 NC/1 NO LED display yellow/green Supplied without actuator. Actuator 3SE5000-0AV0.

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| product brand name                                      | SIRIUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| product designation                                     | Mechanical safety switches                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| design of the product                                   | with separate actuator and with tumbler                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| product type designation                                | 3SE5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| manufacturer's article number of the optional actuators | 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 |
| 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                    | 4 kV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| protection class IP                                     | IP65/IP67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| shock resistance                                        | 30g / 11 ms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| • according to IEC 60068-2-27                           | 30g / 11 ms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| mechanical service life (operating cycles) typical      | 1 000 000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| repeat accuracy                                         | 0.05 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Substance Prohibittance (Date)                          | 10/01/2011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| SVHC substance name                                     | Lead - 7439-92-1<br>Lead monoxide (lead oxide) - 1317-36-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| minimum actuating force in directions of actuation      | 30 N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| length of the sensor                                    | 185 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| width of the sensor                                     | 54 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Ambient conditions</b>                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ambient temperature                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| • during operation                                      | -25 ... +60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| • during storage                                        | -40 ... +80 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| explosion protection category for dust                  | none                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| consumed active power of magnet coil                    | 3.5 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| operational current at AC-15                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

|                                                                                                                                         |                         |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| <ul style="list-style-type: none"> <li>• at 24 V rated value</li> <li>• at 120 V rated value</li> <li>• at 240 V rated value</li> </ul> | 6 A<br>6 A<br>3 A       |
| <b>operational current at DC-13</b>                                                                                                     |                         |
| <ul style="list-style-type: none"> <li>• at 24 V rated value</li> <li>• at 125 V rated value</li> <li>• at 250 V rated value</li> </ul> | 3 A<br>0.55 A<br>0.27 A |

|                                                    |                                                                                                                                                                |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Enclosure</b>                                   |                                                                                                                                                                |
| <b>design of the housing</b>                       | special design                                                                                                                                                 |
| <b>material of the enclosure</b>                   | plastic                                                                                                                                                        |
| <b>design of the housing according to standard</b> | No                                                                                                                                                             |
| <b>locking mechanism design</b>                    | spring-actuated lock (closed-circuit principle) with emergency release from the back and auxiliary release from the front and auxiliary release from the front |

|                                             |                          |
|---------------------------------------------|--------------------------|
| <b>Drive Head</b>                           |                          |
| <b>design of the actuating element</b>      | 5 directions of approach |
| <b>design of the switching function</b>     | positive opening         |
| <b>number of directions of actuation</b>    | 5                        |
| <b>circuit principle</b>                    | slow-action contacts     |
| number of switching contacts safety-related | 4                        |
| <b>cable entry type</b>                     | 3x (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-type terminals                                                                                                                                                                                               |
| <b>type of connectable conductor cross-sections</b>                                                                                                                              |                                                                                                                                                                                                                    |
| <ul style="list-style-type: none"> <li>• solid</li> <li>• finely stranded with core end processing</li> <li>• for AWG cables solid</li> <li>• for AWG cables stranded</li> </ul> | 1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> )<br>1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> )<br>1x (20 ... 16), 2x (20 ... 18)<br>1x (20 ... 16), 2x (20 ... 18) |

|                                                                   |         |
|-------------------------------------------------------------------|---------|
| <b>Supply voltage</b>                                             |         |
| type of voltage of the supply voltage of the optional LED display | DC      |
| <b>supply voltage of LED</b>                                      |         |
| •                                                                 | 24 V    |
| <b>supply voltage of magnet coil</b>                              | 24 V    |
| design of the interface for safety-related communication          | without |

|                                |         |
|--------------------------------|---------|
| <b>Communication/ Protocol</b> |         |
| <b>design of the interface</b> | without |

|                                                                              |           |
|------------------------------------------------------------------------------|-----------|
| <b>Safety related data</b>                                                   |           |
| proportion of dangerous failures with high demand rate according to SN 31920 | 20 %      |
| <b>B10 value with high demand rate according to SN 31920</b>                 | 1 000 000 |

|                                 |  |
|---------------------------------|--|
| <b>Approvals Certificates</b>   |  |
| <b>General Product Approval</b> |  |



[Confirmation](#)



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



[Type Test Certificates/Test Report](#)

[Confirmation](#)

[Transport Information](#)

[Environmental Confirmations](#)

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

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=3SE5322-1SJ21>

Cax online generator

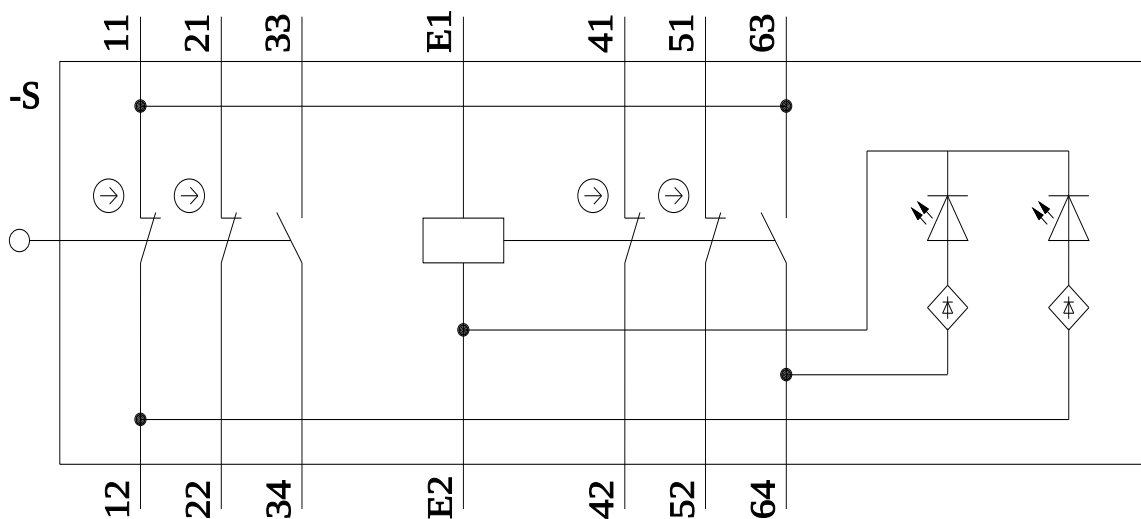
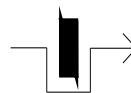
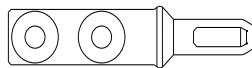
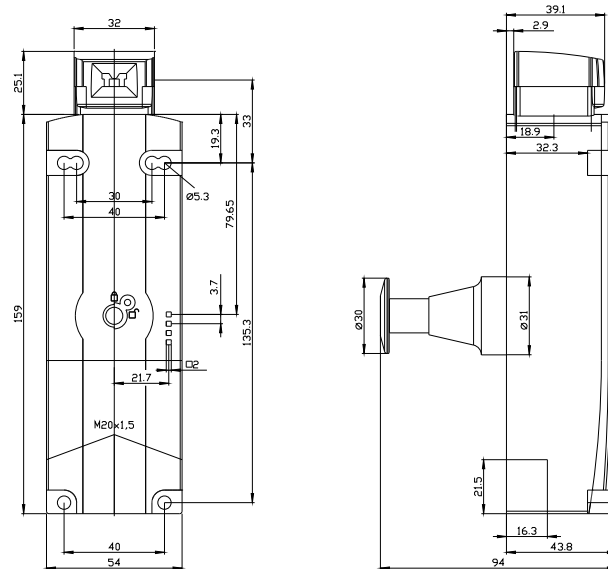
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5322-1SJ21>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5322-1SJ21>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5322-1SJ21&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5322-1SJ21&lang=en)



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