



SIRIUS position switch Metal enclosure XL, 56 mm wide, with twist lever 27 mm made from Stainless steel, Stainless steel roller 19 mm, Device connection 3x(M20x1.5), Increased corrosion protection (increased corrosion protection) gold-plated contacts, 2x(1 NO/1 NC) Quick action contacts, IP66/IP67

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product brand name</b>                | SIRIUS                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Product designation</b>               | Mechanical position switches                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Product type designation</b>          | 3SE5                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Manufacturer's article number</b>     | <ul style="list-style-type: none"> <li>• of the supplied actuator head for position switches <a href="#">3SE5000-0AH00</a></li> <li>• of the supplied operating lever <a href="#">3SE5000-0AA12</a></li> <li>• of the supplied switching contacts 1x 3SE5000-0CA00-1AC1, 1x 3SE5060-0CA00-1AC1 on request</li> <li>• of the supplied empty enclosure with cover 3SE5162-0AA00-1CA0, on request</li> </ul> |
| <b>Suitability for use safety switch</b> | Yes                                                                                                                                                                                                                                                                                                                                                                                                       |

| General technical data                      |           |
|---------------------------------------------|-----------|
| <b>Product function</b>                     |           |
| • positive opening                          | Yes       |
| <b>Insulation voltage</b>                   |           |
| • rated value                               | 400 V     |
| <b>Degree of pollution</b>                  | class 3   |
| <b>Surge voltage resistance rated value</b> | 6 kV      |
| <b>Protection class IP</b>                  | IP66/IP67 |
| <b>Shock resistance</b>                     |           |

|                                                                                                                          |                                                      |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| • acc. to IEC 60068-2-27                                                                                                 | 30 g / 11 ms                                         |
| <b>Vibration resistance</b>                                                                                              |                                                      |
| • acc. to IEC 60068-2-6                                                                                                  | 0.35 mm/5g                                           |
| <b>Mechanical service life (switching cycles)</b>                                                                        |                                                      |
| • typical                                                                                                                | 5 000 000                                            |
| <b>Electrical endurance (switching cycles)</b>                                                                           |                                                      |
| • at AC-15 at 230 V typical                                                                                              | 100 000                                              |
| <b>Electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical</b> | 5 000 000                                            |
| <b>Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026</b>         | 6 000                                                |
| <b>Thermal current</b>                                                                                                   | 10 A                                                 |
| <b>Material of the enclosure of the switch head</b>                                                                      | plastic                                              |
| <b>Continuous current of the C characteristic MCB</b>                                                                    | 1 A; for a short-circuit current smaller than 400 A  |
| <b>Continuous current of the quick DIAZED fuse link</b>                                                                  | 10 A; for a short-circuit current smaller than 400 A |
| <b>Continuous current of the DIAZED fuse link gG</b>                                                                     | 6 A                                                  |
| <b>Active principle</b>                                                                                                  | mechanical                                           |
| <b>Repeat accuracy</b>                                                                                                   | 0.05 mm                                              |
| <b>Minimum actuating torque in activation direction</b>                                                                  | 0.3 N·m                                              |
| <b>Length of the sensor</b>                                                                                              | 149.5 mm                                             |
| <b>Width of the sensor</b>                                                                                               | 56 mm                                                |
| <b>Design of the switching contact</b>                                                                                   | mechanical                                           |
| <b>Operating frequency rated value</b>                                                                                   | 50 ... 60 Hz                                         |
| <b>Number of NC contacts for auxiliary contacts</b>                                                                      | 2                                                    |
| <b>Number of NO contacts for auxiliary contacts</b>                                                                      | 2                                                    |
| <b>Operating current at AC-15</b>                                                                                        |                                                      |
| • at 24 V rated value                                                                                                    | 6 A                                                  |
| • at 125 V rated value                                                                                                   | 6 A                                                  |
| • at 240 V rated value                                                                                                   | 6 A                                                  |
| • at 400 V rated value                                                                                                   | 4 A                                                  |
| <b>Operating 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>Design of the interface for safety-related communication</b>                                                          | without                                              |
| <b>Enclosure</b>                                                                                                         |                                                      |
| <b>Design of the housing</b>                                                                                             | block, wide                                          |
| <b>Material of the enclosure</b>                                                                                         | metal                                                |
| <b>Coating of the enclosure</b>                                                                                          | cathodic immersion coating                           |

|                                              |                                                                                           |
|----------------------------------------------|-------------------------------------------------------------------------------------------|
| Design of the housing acc. to standard       | No                                                                                        |
| <b>Drive Head</b>                            |                                                                                           |
| Design of the operating mechanism            | Twist lever, high-grade steel lever, 27 mm long, step 9 mm, high-grade steel roller 19 mm |
| Shape of the switch head                     | roller                                                                                    |
| Design of the switching function             | positive opening                                                                          |
| Circuit principle                            | snap-action contacts                                                                      |
| Number of switching contacts safety-related  | 2                                                                                         |
| <b>Connections/Terminals</b>                 |                                                                                           |
| Type of electrical connection                | screw-type terminals                                                                      |
| Type of connectable conductor cross-sections |                                                                                           |
| • 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> )                     |
| • at AWG conductors solid                    | 1x (20 ... 16), 2x (20 ... 18)                                                            |
| • at AWG conductors stranded                 | 1x (20 ... 16), 2x (20 ... 18)                                                            |
| Cable entry type                             | 3 x (M20 x 1.5)                                                                           |
| <b>Communication/ Protocol</b>               |                                                                                           |
| Design of the interface                      | without                                                                                   |
| <b>Ambient conditions</b>                    |                                                                                           |
| Ambient temperature                          |                                                                                           |
| • during operation                           | -25 ... +85 °C                                                                            |
| • during storage                             | -40 ... +90 °C                                                                            |
| Explosion protection category for dust       | none                                                                                      |
| <b>Installation/ mounting/ dimensions</b>    |                                                                                           |
| • (mounting position)                        | any                                                                                       |
| • (mounting type)                            | screw fixing                                                                              |
| <b>Certificates/approvals</b>                |                                                                                           |

|                          |                                       |                           |
|--------------------------|---------------------------------------|---------------------------|
| General Product Approval | Functional Safety/Safety of Machinery | Declaration of Conformity |
|--------------------------|---------------------------------------|---------------------------|



[Type Examination Certificate](#)



|                           |                   |       |
|---------------------------|-------------------|-------|
| Declaration of Conformity | Test Certificates | other |
|---------------------------|-------------------|-------|

[Miscellaneous](#)

[Type Test Certificates/Test Report](#)

[Confirmation](#)

#### Further information

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

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5162-0CH12-1CC1>

**Cax online generator**

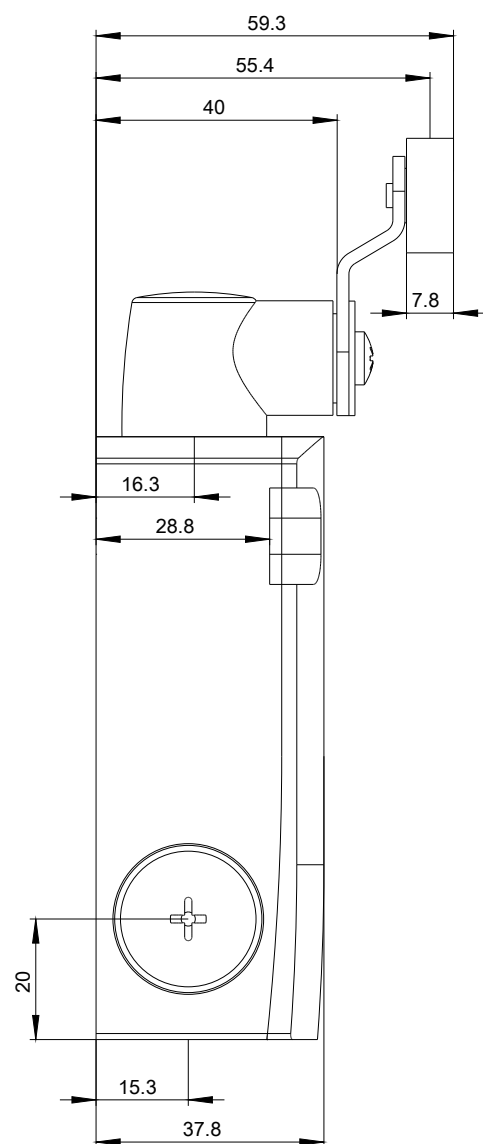
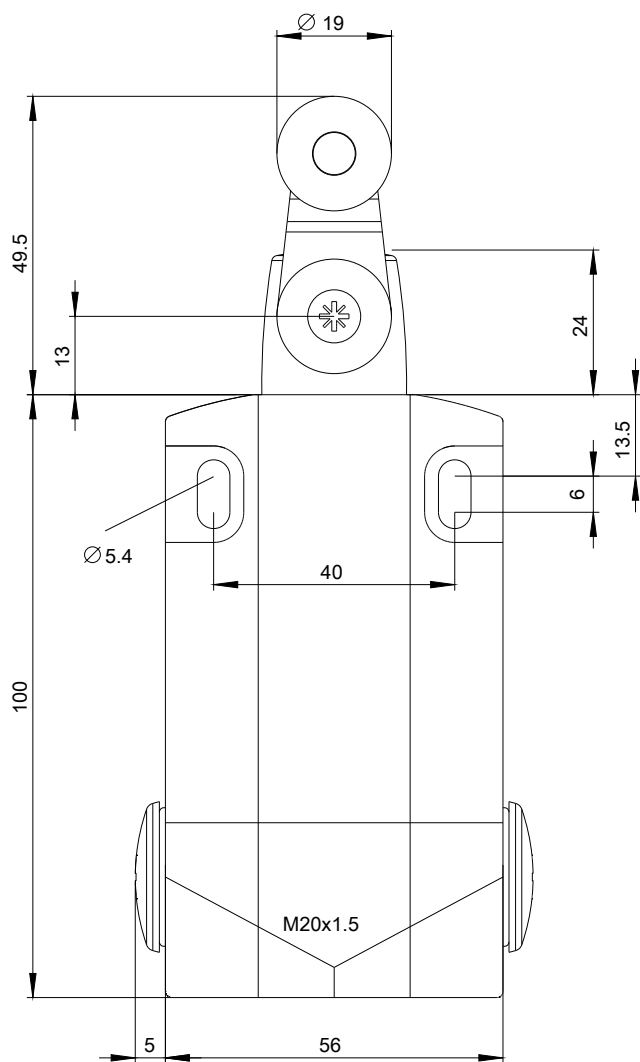
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5162-0CH12-1CC1>

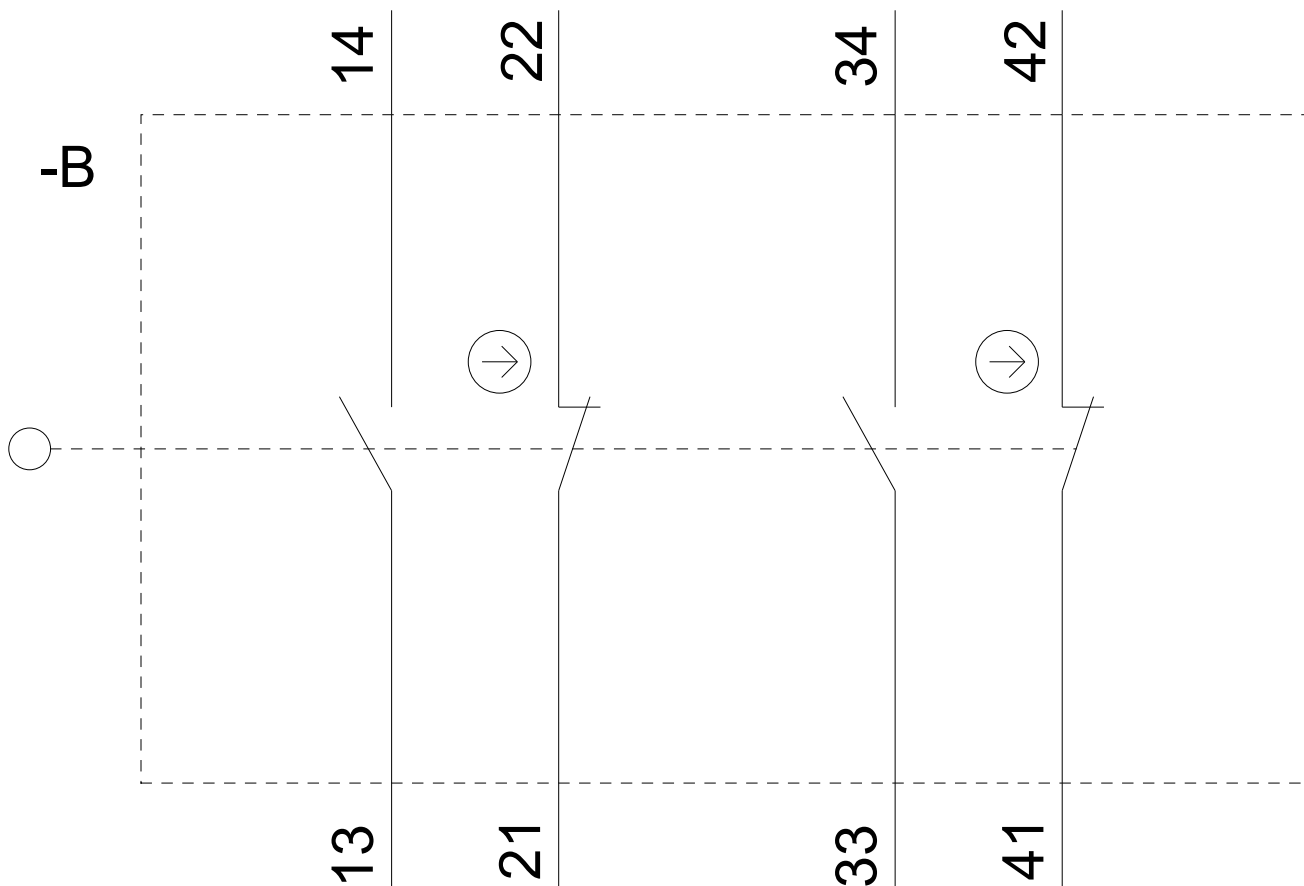
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

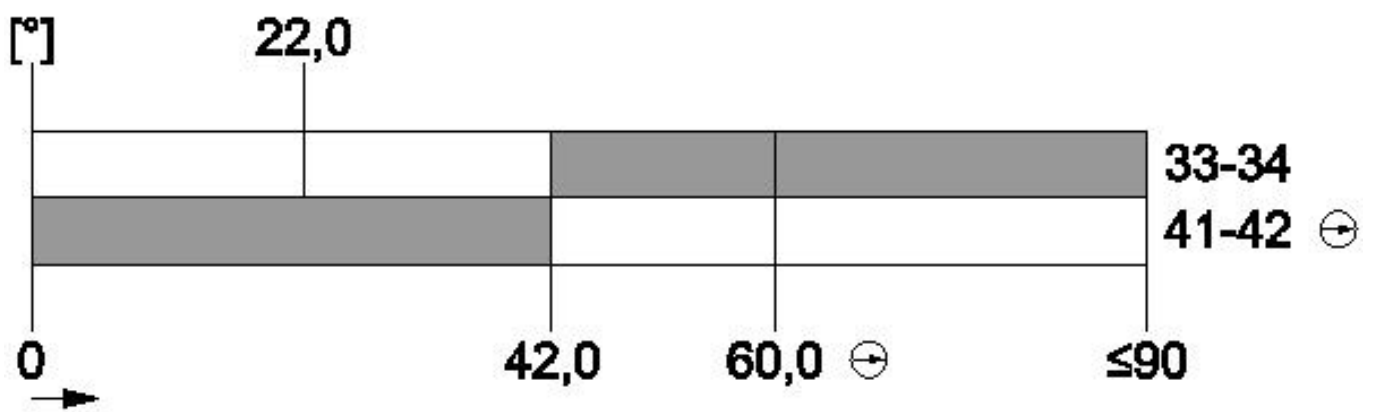
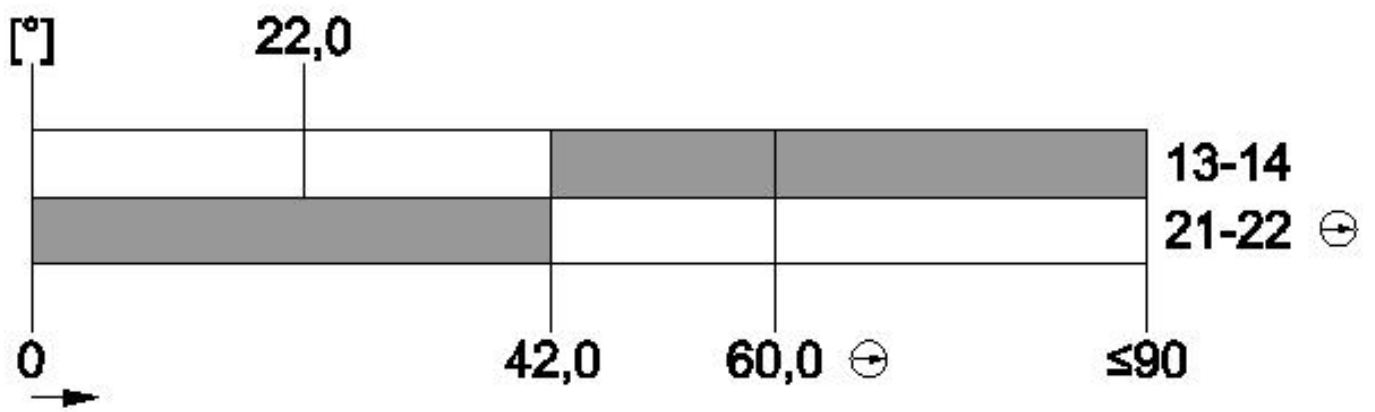
<https://support.industry.siemens.com/cs/ww/en/ps/3SE5162-0CH12-1CC1>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5162-0CH12-1CC1&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5162-0CH12-1CC1&lang=en)







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