

Position switch Metal enclosure 56 mm wide, Device connection 3x (M20x 1.5) 1 NO/1 NC quick action contacts, Rounded plunger, with 3 mm overtravel, made of stainless steel



|                                   |                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product brand name                | SIRIUS                                                                                                                                                                                                                                                                                                                                                                      |
| Product designation               | Mechanical position switches                                                                                                                                                                                                                                                                                                                                                |
| Product type designation          | 3SE5                                                                                                                                                                                                                                                                                                                                                                        |
| Manufacturer's article number     | <ul style="list-style-type: none"> <li>• of the supplied basic switch <a href="#">3SE5122-0CA00</a></li> <li>• of the supplied actuator head for position switches <a href="#">3SE5000-0AC02</a></li> <li>• of the supplied switching contacts <a href="#">3SE5000-0CA00</a></li> <li>• of the supplied empty enclosure with cover <a href="#">3SE5122-0AA00</a></li> </ul> |
| Suitability for use safety switch | Yes                                                                                                                                                                                                                                                                                                                                                                         |

### General technical data

|                                                                            |              |
|----------------------------------------------------------------------------|--------------|
| Product function                                                           |              |
| <ul style="list-style-type: none"> <li>• positive opening</li> </ul>       | Yes          |
| Degree of pollution                                                        | class 3      |
| Surge voltage resistance rated value                                       | 6 kV         |
| Protection class IP                                                        | IP66/IP67    |
| Shock resistance                                                           |              |
| <ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-27</li> </ul> | 30 g / 11 ms |
| Mechanical service life (switching cycles)                                 |              |

|                                                                                                                          |                                                      |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| • typical                                                                                                                | 15 000 000                                           |
| <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> | 10 000 000                                           |
| <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>                                                                      | metal                                                |
| <b>Reference code acc. to DIN EN 81346-2</b>                                                                             | B                                                    |
| <b>Reference code acc. to DIN EN 61346-2</b>                                                                             | B                                                    |
| <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 force in activation direction</b>                                                                   | 20 N                                                 |
| <b>Length of the sensor</b>                                                                                              | 103.5 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>                                                                      | 1                                                    |
| <b>Number of NO contacts for auxiliary contacts</b>                                                                      | 1                                                    |
| <b>Number of CO contacts for auxiliary contacts</b>                                                                      | 1                                                    |
| <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                                              |

| Enclosure                                     |                            |
|-----------------------------------------------|----------------------------|
| <b>Design of the housing</b>                  | block, wide                |
| <b>Material of the enclosure</b>              | metal                      |
| <b>Coating of the enclosure</b>               | cathodic immersion coating |
| <b>Design of the housing acc. to standard</b> | No                         |

| Drive Head                                  |                                           |
|---------------------------------------------|-------------------------------------------|
| Design of the operating mechanism           | Rounded plunger, high-grade steel plunger |
| Standard-compliant actuator head            | EN 50041, design B                        |
| Shape of the switch head                    | rounded                                   |
| Design of the switching function            | positive opening                          |
| Circuit principle                           | snap-action contacts                      |
| Number of switching contacts safety-related | 1                                         |

| Connections/ Terminals                       |                                                                       |
|----------------------------------------------|-----------------------------------------------------------------------|
| 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)                                                       |

| Communication/ Protocol |         |
|-------------------------|---------|
| Design of the interface | without |

| Ambient conditions                     |      |
|----------------------------------------|------|
| Explosion protection category for dust | none |

| Installation/ mounting/ dimensions |              |
|------------------------------------|--------------|
| Mounting position                  | any          |
| Mounting type                      | screw fixing |

| Certificates/ approvals |  |  |
|-------------------------|--|--|
|-------------------------|--|--|

| 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,...)

[www.siemens.com/sirius/catalogs](http://www.siemens.com/sirius/catalogs)

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5122-0CC02>

Cax online generator

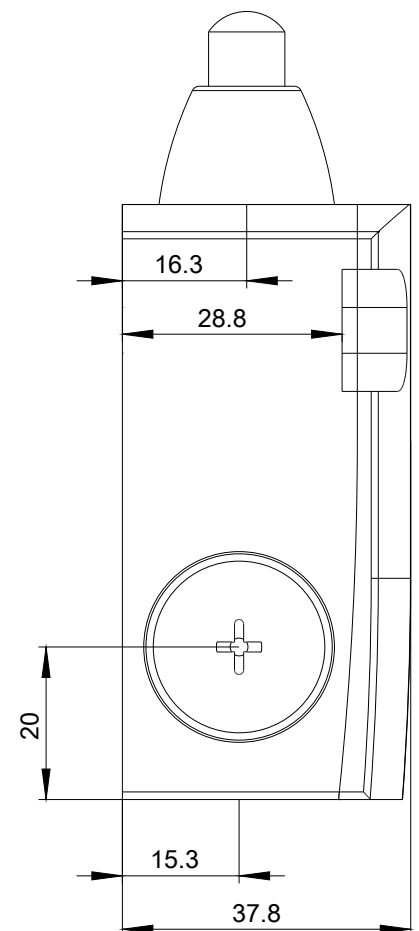
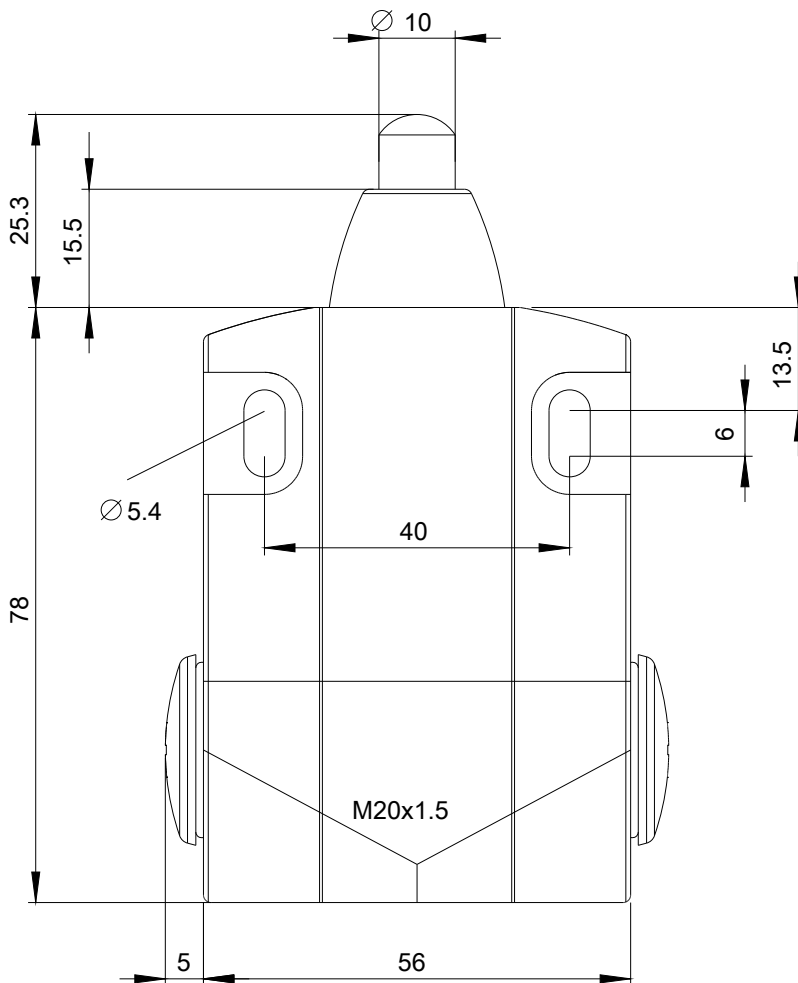
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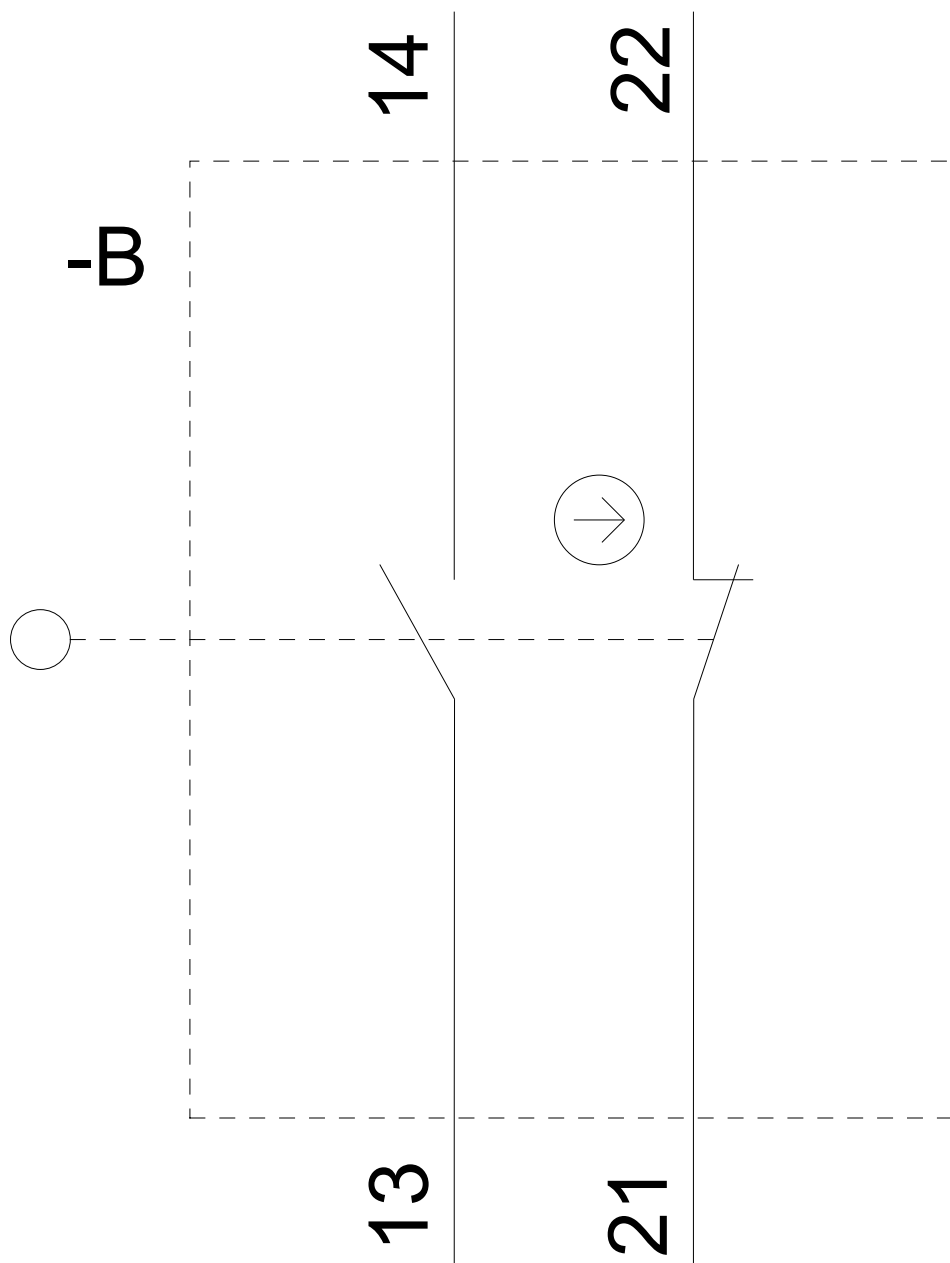
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

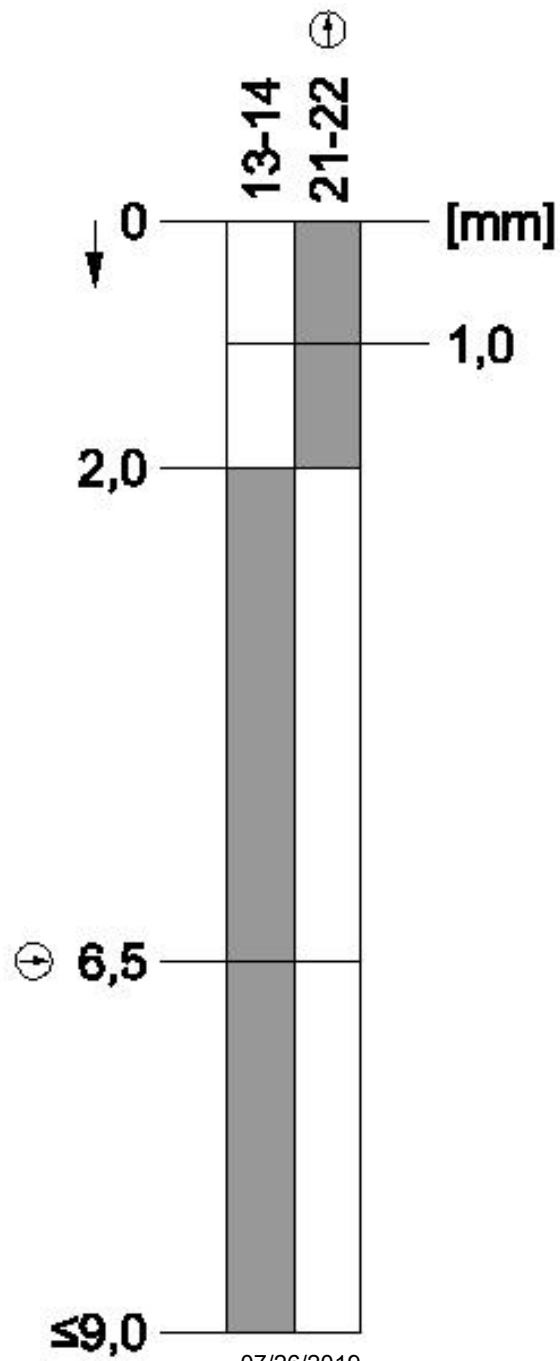
<https://support.industry.siemens.com/cs/ww/en/ps/3SE5122-0CC02>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5122-0CC02&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5122-0CC02&lang=en)







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