



Position switch 3SE5162 Metal enclosure XL, 56 mm wide Roller plunger with stainless steel roller 13 mm Device connection 3 x (M20 x 1.5) 2 x (1 NO/1 NC) Quick action contacts IP66/IP67

|                                                                   |                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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="#">3SE5162-0CA00</a></li> <li>of the supplied actuator head for position switches <a href="#">3SE5000-0AD02</a></li> <li>of the supplied switching contacts 1x 3SE5000-0CA00, 1x 3SE5060-0CA00</li> <li>of the supplied empty enclosure with cover <a href="#">3SE5162-0AA00</a></li> </ul> |
| suitability for use safety switch                                 | Yes                                                                                                                                                                                                                                                                                                                                                                      |
| <b>General technical data</b>                                     |                                                                                                                                                                                                                                                                                                                                                                          |
| product function positive opening                                 | Yes                                                                                                                                                                                                                                                                                                                                                                      |
| insulation voltage rated value                                    | 400 V                                                                                                                                                                                                                                                                                                                                                                    |
| degree of pollution                                               | class 3                                                                                                                                                                                                                                                                                                                                                                  |
| surge voltage resistance rated value                              | 6 kV                                                                                                                                                                                                                                                                                                                                                                     |
| protection class IP                                               | IP66/IP67                                                                                                                                                                                                                                                                                                                                                                |
| shock resistance                                                  |                                                                                                                                                                                                                                                                                                                                                                          |
| • according to IEC 60068-2-27                                     | 30g / 11 ms                                                                                                                                                                                                                                                                                                                                                              |
| mechanical service life (operating cycles) typical                | 5 000 000                                                                                                                                                                                                                                                                                                                                                                |
| 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                      | metal                                                                                                                                                                                                                                                                                                                                                                    |
| reference code according to IEC 81346-2                           | B                                                                                                                                                                                                                                                                                                                                                                        |
| continuous current of the C characteristic MCB                    | 1 A; for a short-circuit current smaller than 400 A                                                                                                                                                                                                                                                                                                                      |
| continuous current of the quick DIAZED fuse link                  | 10 A; for a short-circuit current smaller than 400 A                                                                                                                                                                                                                                                                                                                     |
| continuous current of the DIAZED fuse link gG                     | 6 A                                                                                                                                                                                                                                                                                                                                                                      |
| active principle                                                  | mechanical                                                                                                                                                                                                                                                                                                                                                               |
| repeat accuracy                                                   | 0.05 mm                                                                                                                                                                                                                                                                                                                                                                  |
| Substance Prohibitance (Date)                                     | 07/01/2006                                                                                                                                                                                                                                                                                                                                                               |
| SVHC substance name                                               | Imidazolidine-2-thione (2-imidazoline-2-thiol) - 96-45-7                                                                                                                                                                                                                                                                                                                 |
| minimum actuating force in directions of actuation                | 30 N                                                                                                                                                                                                                                                                                                                                                                     |
| length of the sensor                                              | 138.3 mm                                                                                                                                                                                                                                                                                                                                                                 |
| width of the sensor                                               | 56 mm                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Ambient conditions</b>                                         |                                                                                                                                                                                                                                                                                                                                                                          |
| ambient temperature                                               |                                                                                                                                                                                                                                                                                                                                                                          |
| • during operation                                                | -25 ... +85 °C                                                                                                                                                                                                                                                                                                                                                           |
| • during storage                                                  | -40 ... +90 °C                                                                                                                                                                                                                                                                                                                                                           |
| explosion protection category for dust                            | none                                                                                                                                                                                                                                                                                                                                                                     |
| design of the switching contact                                   | mechanical                                                                                                                                                                                                                                                                                                                                                               |
| operating frequency rated value                                   | 50 ... 60 Hz                                                                                                                                                                                                                                                                                                                                                             |

|                                              |        |
|----------------------------------------------|--------|
| number of NC contacts for auxiliary contacts | 2      |
| number of NO contacts for auxiliary contacts | 2      |
| <b>operational 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>operational current at DC-13</b>          |        |
| • at 24 V rated value                        | 3 A    |
| • at 125 V rated value                       | 0.55 A |
| • at 250 V rated value                       | 0.27 A |
| • at 400 V rated value                       | 0.12 A |

|                                             |                      |
|---------------------------------------------|----------------------|
| <b>Enclosure</b>                            |                      |
| design of the housing                       | block, wide          |
| material of the enclosure                   | metal                |
| coating of the enclosure                    | cathodic dip coating |
| design of the housing according to standard | No                   |

|                                             |                                         |
|---------------------------------------------|-----------------------------------------|
| <b>Drive Head</b>                           |                                         |
| design of the actuating element             | Roller plunger, high-grade steel roller |
| standard-compliant actuator head            | EN 50041, design C                      |
| 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                                       |
| cable entry type                            | 3x (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>Approvals Certificates</b>   |  |
| <b>General Product Approval</b> |  |



[Confirmation](#)



|                   |                   |       |             |
|-------------------|-------------------|-------|-------------|
| Functional Safety | Test Certificates | other | Environment |
|-------------------|-------------------|-------|-------------|



[Type Test Certificates/Test Report](#)

[Confirmation](#)

[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,...)

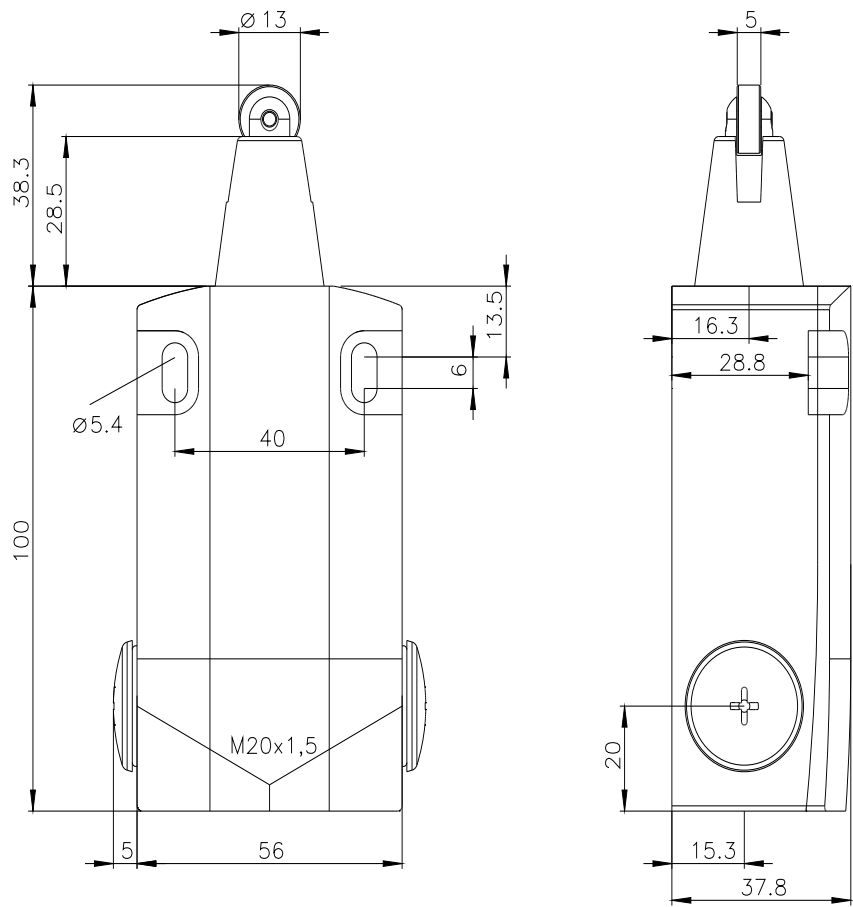
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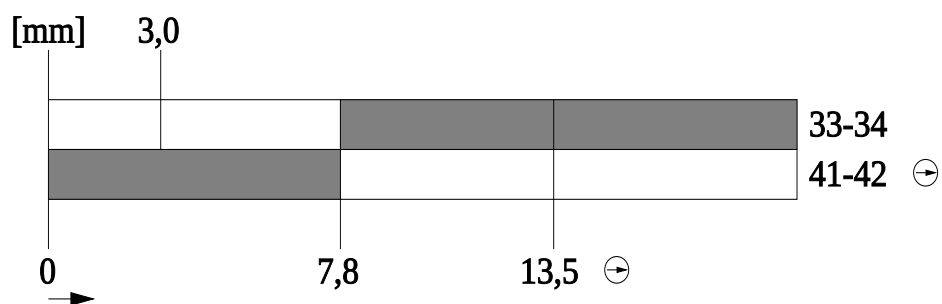
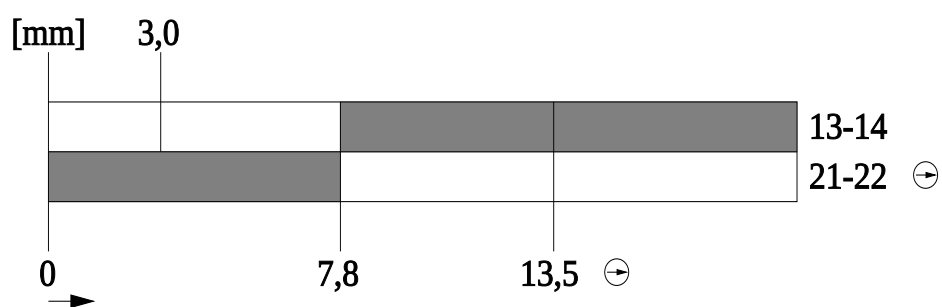
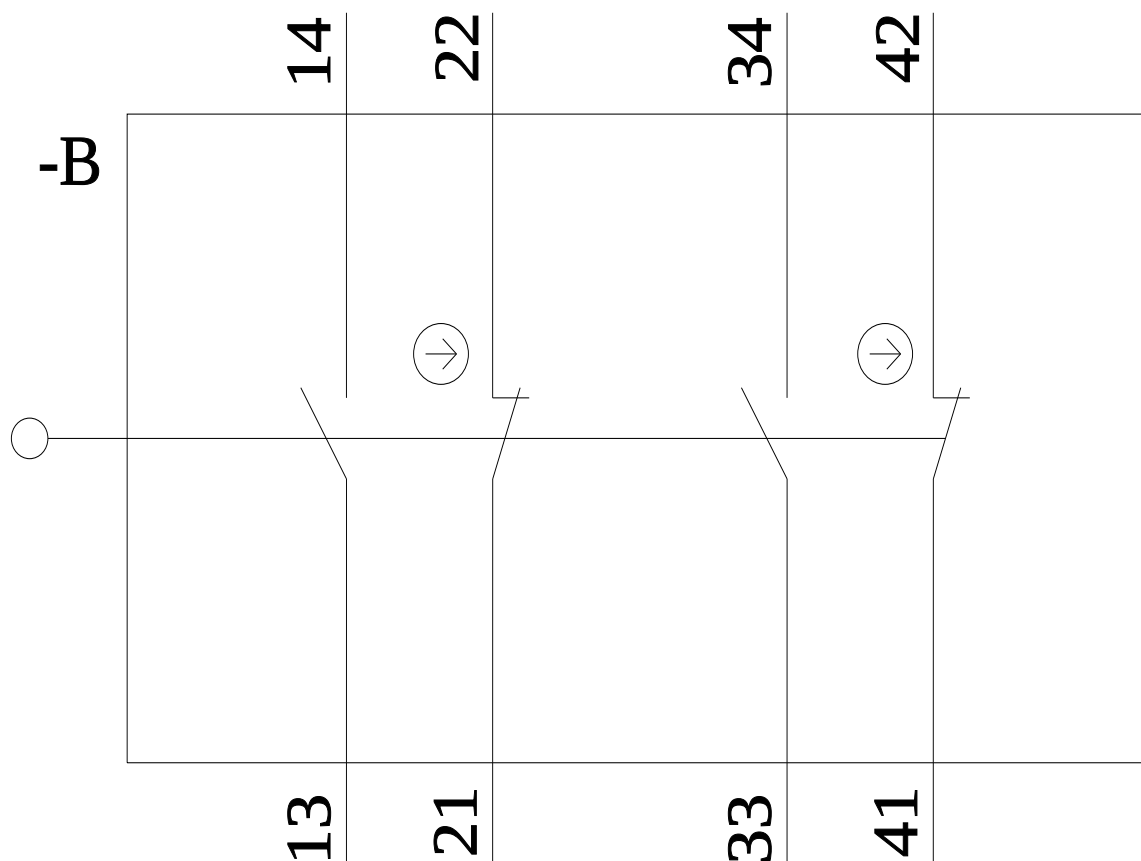
Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5162-0CD02>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5162-0CD02>





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