



Position switch Plastic enclosure open type 30 mm 1 NO/1 NC quick action contacts Metal plunger, IP20

|  |                               |
|--|-------------------------------|
| product brand name   | SIRIUS                        |
| product designation  | Open-type position switches   |
| product type designation   | 3SE5                          |
| manufacturer's article number  |                               |
| <ul style="list-style-type: none"> <li>of the supplied switching contacts</li> </ul> | <a href="#">3SE5000-0CA00</a> |
| suitability for use safety switch  | Yes                           |

### General technical data

|   |   |
|---|---|
| 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   | IP20, conductor connected and clamping screw screwed in |
| 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 (switching cycles) typical  | 15 000 000  |
| <ul style="list-style-type: none"> <li>note</li> </ul>  | 1000000 at 30° angle of approach                        |
| electrical endurance (switching cycles) at AC-15 at 230 V typical   | 100 000   |
| electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical | 10 000 000  |
| Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026         | 6 000   |
| 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   |
| active principle  | mechanical  |
| repeat accuracy   | 0.05 mm   |
| Substance Prohibitance (Date)   | 07/01/2006  |
| minimum actuating force in directions of actuation  | 20 N  |
| length of the sensor  | 59.2 mm   |
| width of the sensor   | 30 mm   |

### Ambient conditions

|  |                                  |
|--|----------------------------------|
| ambient temperature  |                                  |
| <ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul> | -25 ... +85 °C<br>-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 | 1            |
| 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                       | 6 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       |

#### Enclosure

|   |                    |
|---|--------------------|
| material of the enclosure                   | plastic, open-type |
| coating of the enclosure                    | Other types        |
| design of the housing according to standard | No                 |

#### Drive Head

|   |                                |
|---|--------------------------------|
| design of the actuating element             | Rounded plunger, metal plunger |
| standard-compliant actuator head            | EN 50047, 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                              |

#### Installation/ mounting/ dimensions

|                   |              |
|-------------------|--------------|
| mounting position | any          |
| fastening method  | screw fixing |

#### 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 cables solid                                    | 1x (20 ... 16), 2x (20 ... 18)  |
| • at AWG cables stranded                                 | 1x (20 ... 16), 2x (20 ... 18)  |
| design of the interface for safety-related communication | without   |

#### Communication/ Protocol

|                         |         |
|-------------------------|---------|
| design of the interface | without |
|-------------------------|---------|

#### Certificates/ approvals

##### General Product Approval



[Confirmation](#)



[KC](#)



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



[Type Examination Certificate](#)



[Type Test Certificates/Test Report](#)

[Confirmation](#)

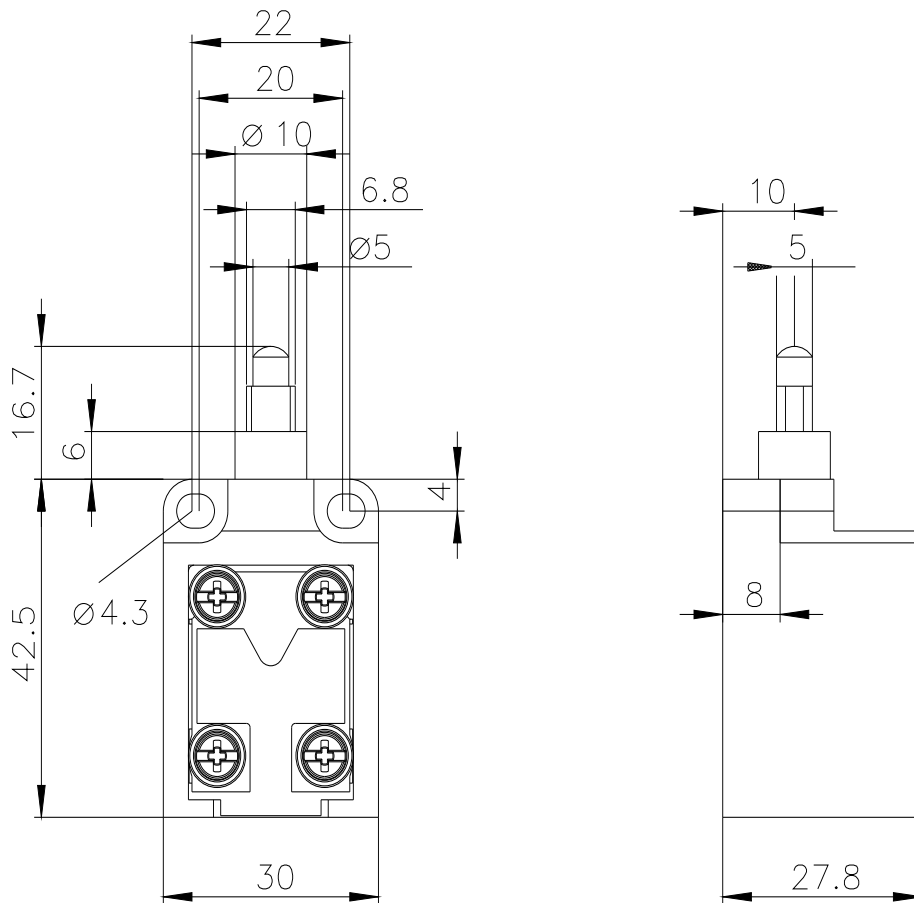
#### Further information

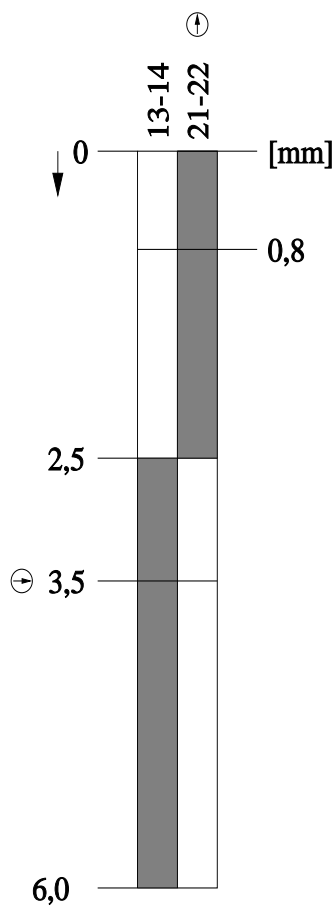
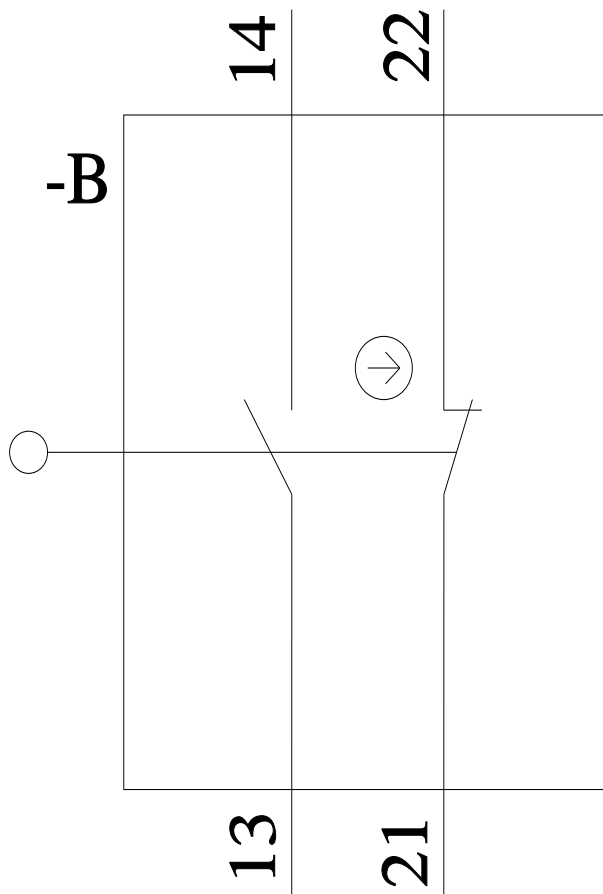
Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mfb=3SE5250-0CC05>





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