

Position switch Plastic enclosure according to EN 50047, 31 mm  
Device connection 1 x (M20 x 1.5) 1 NO/1 NC quick action contacts  
integrated (not replaceable) Twist lever, 21 mm long right/left  
adjustable with plastic roller 19 mm



|                                   |                                                                                                                                                                                                                                                                                      |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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="#">3SE5232-0HC05</a></li> <li>• of the supplied actuator head for position switches <a href="#">3SE5000-0AK00</a></li> <li>• of the supplied operating lever <a href="#">3SE5000-0AA21</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         |
| insulation voltage                   | <ul style="list-style-type: none"> <li>• rated value</li> </ul>            | 400 V       |
| degree of pollution                  |                                                                            | class 3     |
| surge voltage resistance rated value |                                                                            | 6 kV        |
| protection class IP                  |                                                                            | IP65        |
| shock resistance                     | <ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-27</li> </ul> | 30g / 11 ms |

|                                                                                                                          |                                                      |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| <b>vibration resistance</b>                                                                                              |                                                      |
| • acc. to IEC 60068-2-6                                                                                                  | 0.35 mm/5g                                           |
| <b>mechanical service life (switching cycles)</b>                                                                        |                                                      |
| • 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>                                                                      | plastic                                              |
| <b>reference code acc. to IEC 81346-2</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 torque in directions of actuation</b>                                                               | 0.25 N·m                                             |
| <b>length of the sensor</b>                                                                                              | 111.3 mm                                             |
| <b>width of the sensor</b>                                                                                               | 31 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                                                    |
| • operational current at AC-15 at 24 V rated value                                                                       | 6 A                                                  |
| • operational current at AC-15 at 120 V rated value                                                                      | 6 A                                                  |
| • operational current at AC-15 at 240 V rated value                                                                      | 6 A                                                  |
| • operational current at AC-15 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>design of the interface for safety-related communication</b>                                                          | without                                              |
| <b>Enclosure</b>                                                                                                         |                                                      |
| <b>design of the housing</b>                                                                                             | block, narrow                                        |

|                                        |             |
|----------------------------------------|-------------|
| material of the enclosure              | plastic     |
| coating of the enclosure               | Other types |
| design of the housing acc. to standard | Yes         |

#### Drive Head

|                                             |                                                                      |
|---------------------------------------------|----------------------------------------------------------------------|
| design of the actuating element             | Twist lever, metal lever, 21 mm long, straight, plastic roller 19 mm |
| standard-compliant actuator head            | EN 50047, design A                                                   |
| shape of the switch head                    | roller                                                               |
| design of the switching function            | positive opening, integrated                                         |
| 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 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) |
| • at AWG cables solid                        | 1x (20 ... 16), 2x (20 ... 18)              |
| • at AWG cables stranded                     | 1x (20 ... 16), 2x (20 ... 18)              |
| cable entry type                             | 1x (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          |
| fastening method  | screw fixing |

#### Certificates/ approvals

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



CCC



CSA



UL



[Type Examination Certificate](#)



EG-Konf.

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

[Miscellaneous](#)

[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?mlfb=3SE5232-0HK21>

**Cax online generator**

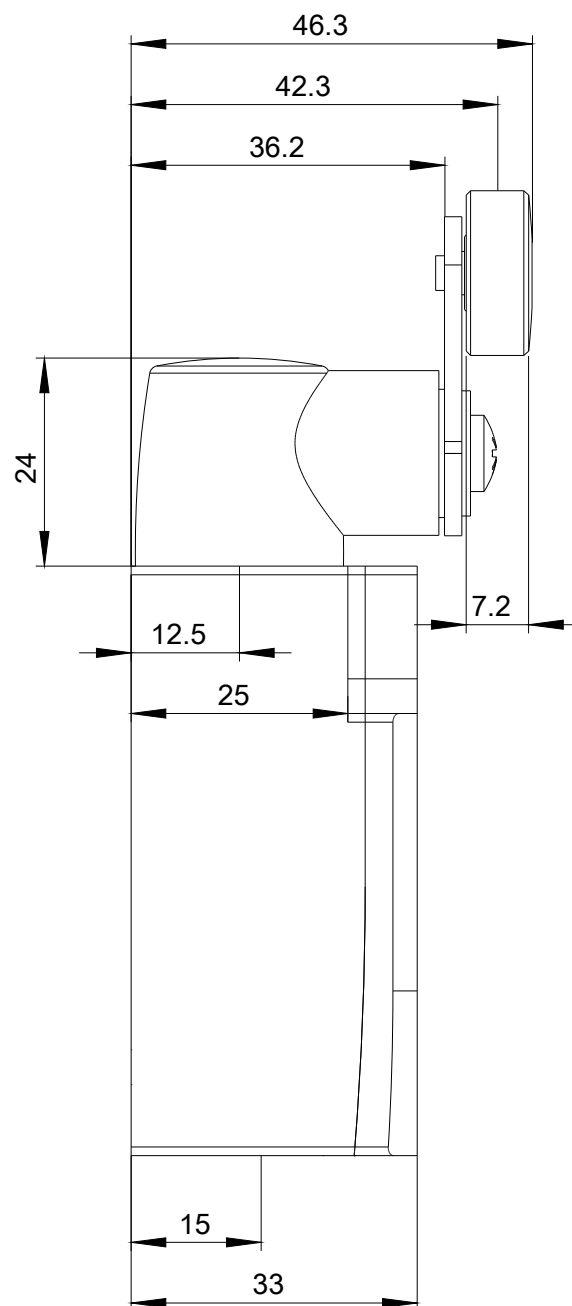
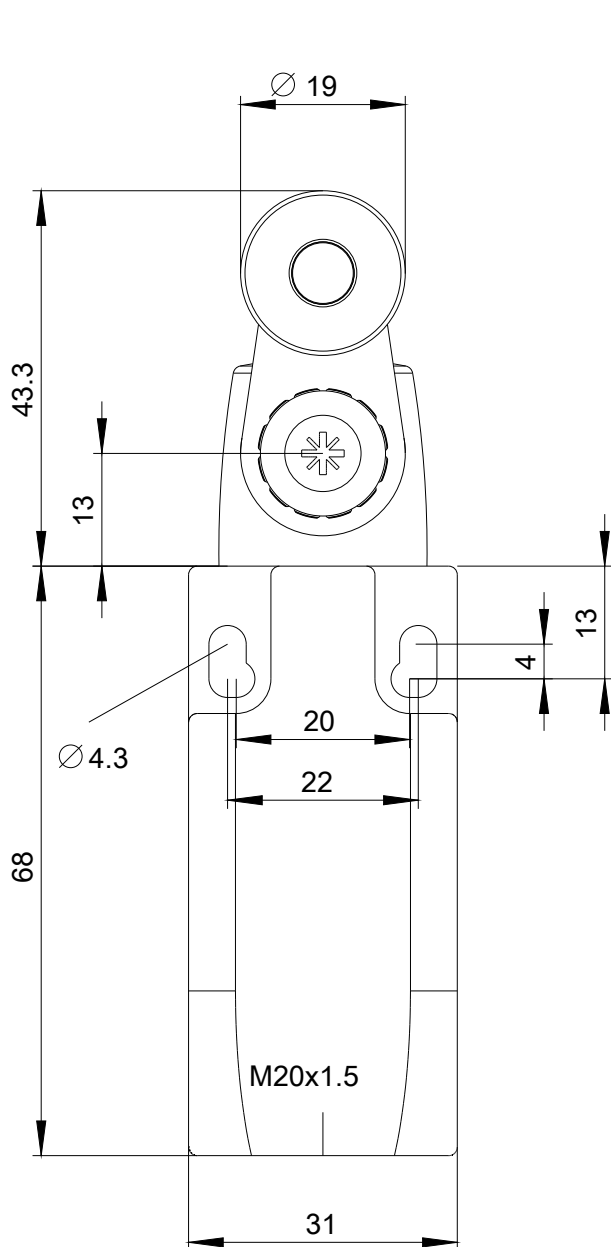
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5232-0HK21>

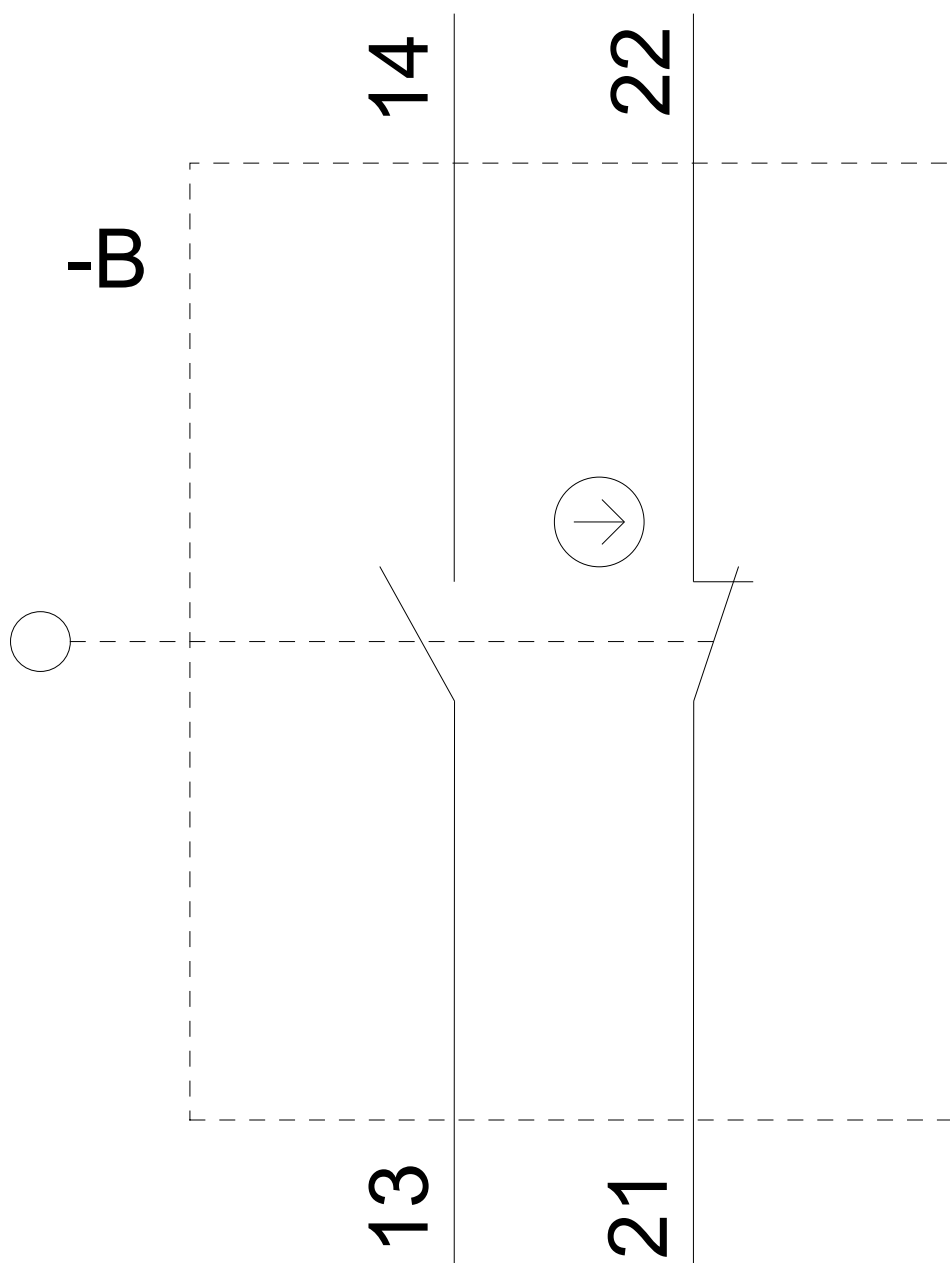
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

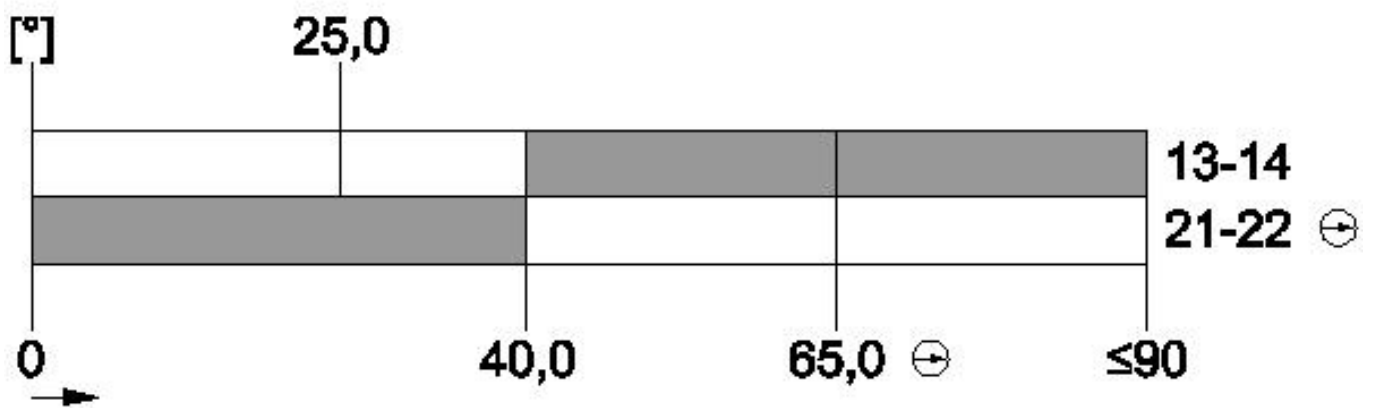
<https://support.industry.siemens.com/cs/ww/en/ps/3SE5232-0HK21>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE5232-0HK21&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5232-0HK21&lang=en)







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