



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

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|---|---|
| product brand name | SIRIUS |
| product designation | Open-type position switches |
| product type designation | 3SE5 |
| manufacturer's article number | |
| • of the supplied switching contacts | 3SE5000-0CA00 |
| 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 | |
| • according to IEC 60068-2-27 | 30g / 11 ms |
| vibration resistance | |
| • according to IEC 60068-2-6 | 0.35 mm/5g |
| mechanical service life (operating cycles) typical | 15 000 000 |
| • note | 1000000 at 30° angle of approach |
| 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 | 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 |
| Net Weight | 0.042 kg |
| 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 | |
| • during operation | -25 ... +85 °C |
| • during storage | -40 ... +90 °C |
| explosion protection category for dust | none |
| Main circuit | |
| design of the switching contact | mechanical |

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| 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 <ul style="list-style-type: none"> at 24 V rated value at 120 V rated value at 240 V rated value at 400 V rated value | 6 A 6 A 6 A 4 A |
| operational current at DC-13 <ul style="list-style-type: none"> at 24 V rated value at 125 V rated value at 250 V rated value at 400 V rated value | 3 A 0.55 A 0.27 A 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 terminal |
| type of connectable conductor cross-sections <ul style="list-style-type: none"> solid finely stranded with core end processing for AWG cables solid for AWG cables stranded | 1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²) 1x (0.5 ... 1.5 mm²), 2x (0.5 ... 0.75 mm²) 1x (20 ... 16), 2x (20 ... 18) 1x (20 ... 16), 2x (20 ... 18) |
| design of the interface for safety-related communication | without |
| Communication/ Protocol | |
| design of the interface | without |
| Safety related data | |
| product function suitable for safety function | Yes |
| service life maximum | 20 a |
| test wear-related service life necessary | Yes |
| proportion of dangerous failures <ul style="list-style-type: none"> with low demand rate according to SN 31920 with high demand rate according to SN 31920 | 20 % 20 % |
| B10 value with high demand rate according to SN 31920 | 1 000 000 |
| failure rate [FIT] with low demand rate according to SN 31920 | 100 FIT |
| ISO 13849 | |
| device type according to ISO 13849-1 | 3 |
| Approvals Certificates | |
| General Product Approval | |



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

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3SE5250-0CC05>

Cax online generator

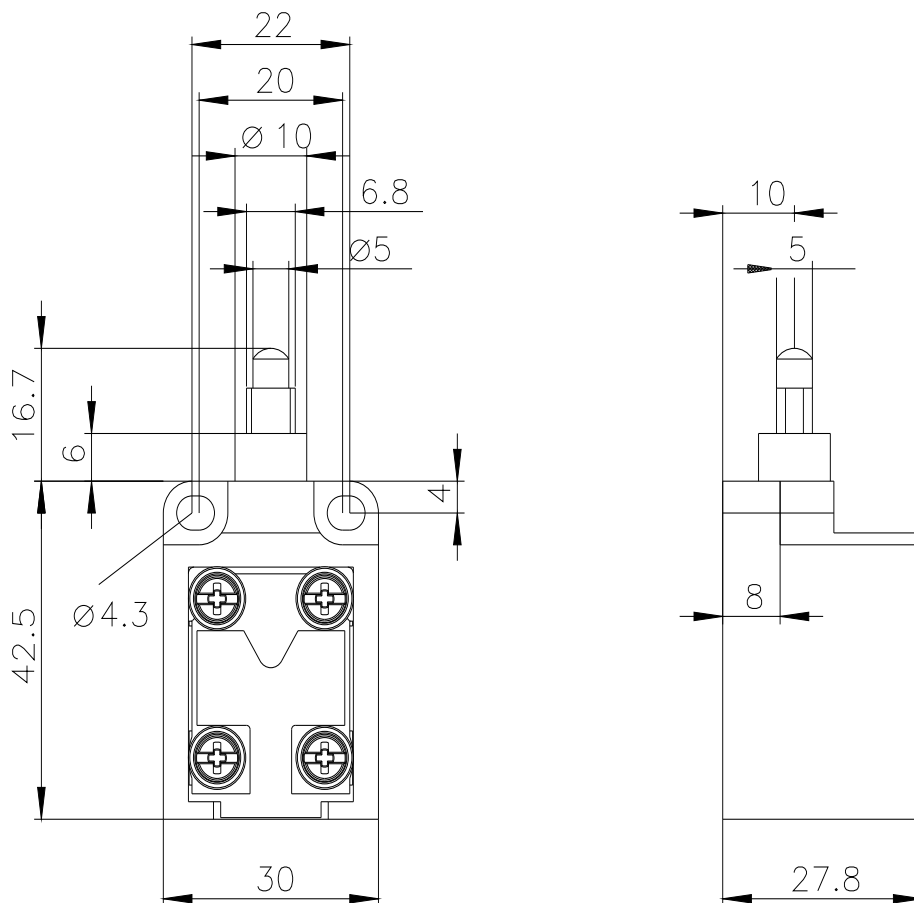
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5250-0CC05>

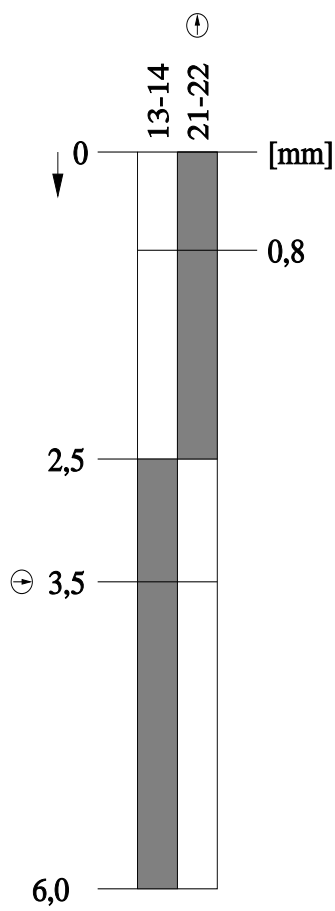
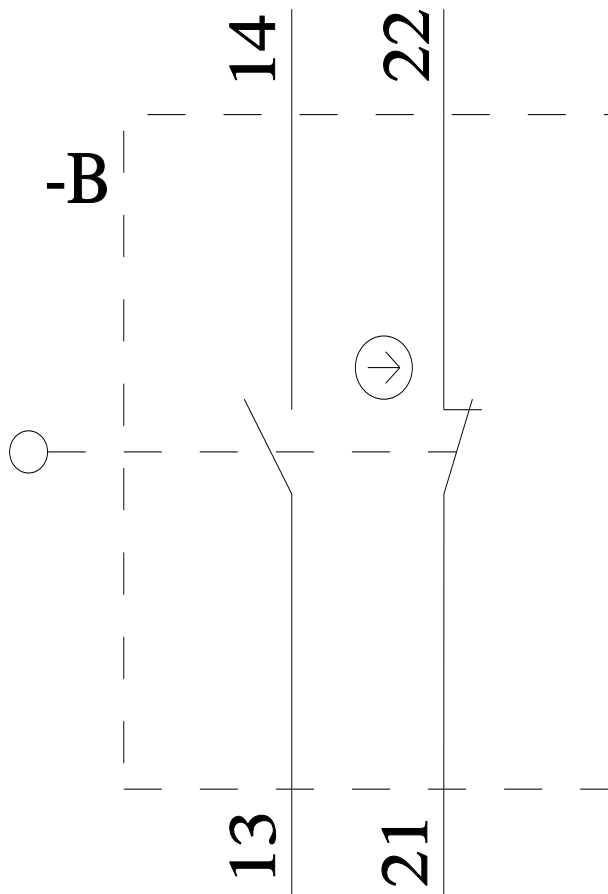
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5250-0CC05>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5250-0CC05&lang=en





last modified:

12/7/2025