SIEMENS

## Data sheet 3SE5122-0CR01



Position switch Metal enclosure 56 mm wide, Device connection 3x (M20x 1.5), 1 NO/1 NC quick action contacts, Spring rod actuator, 142.5 mm total length, plunger plastic

| | |
|---|---|
| **product brand name** | SIRIUS |
| **product designation** | Mechanical position switches |
| **product type designation** | 3SE5 |
| **manufacturer's article number** | |
| ● of the supplied basic switch | 3SE5122-0CA00 |
| ● of the supplied actuator head for position switches | 3SE5000-0AR01 |
| ● of the supplied switching contacts | 3SE5000-0CA00 |
| ● of the supplied empty enclosure with cover | 3SE5122-0AA00 |
| **General technical data** | |
| product function positive opening | No |
| **insulation voltage rated value** | 400 V |
| **degree of pollution** | class 3 |
| **surge voltage resistance rated value** | 6 kV |
| **protection class IP** | IP65/IP67 |
| **shock resistance** | |
| ● **according to IEC 60068-2-27** | 30 g / 11 ms |
| **vibration resistance according to IEC 60068-2-6** | 0.35 mm/5 g |
| **mechanical service life (operating cycles) typical** | 10 000 000 |
| 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** | 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 (day/month/year)** | 07/01/2006 |
| **SVHC substance name** | Imidazolidine-2-thione (2-imidazoline-2-thiol) CAS-No. 96-45-7 |
| **Net Weight** | 0.384 kg |
| **minimum actuating torque in directions of actuation** | 0.25 N·m |
| **length of the sensor** | 220.3 mm |
| **width of the sensor** | 56 mm |
| **Ambient conditions** | |
| **ambient temperature** | |
| ● during operation | -25 ... +85 °C |
| ● during storage | -40 ... +90 °C |
| **explosion protection category for dust** | none |
| **Main circuit** | |


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| | |
|---|---|
| **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 125 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** | |
| **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 |
| **Drive Head** | |
| **design of the actuating element** | Spring rod, total length = 142.5 mm (spring 50 mm + plastic plunger 50 mm) |
| **outer diameter of the switch head** | 7 mm |
| **circuit principle** | snap-action contacts |
| number of switching contacts safety-related | 0 |
| **cable entry type** | 3x (M20 x 1.5) |
| **Installation/ mounting/ dimensions** | |
| **mounting position** | any |
| **fastening method** | screw fixing |
| **Connections/ Terminals** | |
| **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 |
| **Communication/ Protocol** | |
| **design of the interface** | without |

**Approvals Certificates**

| General Product Approval | Test Certificates |
|---|---|
| CCC, cULus, EAC, CE EG-Konf., UKCA | Type Test Certificates/Test Report |

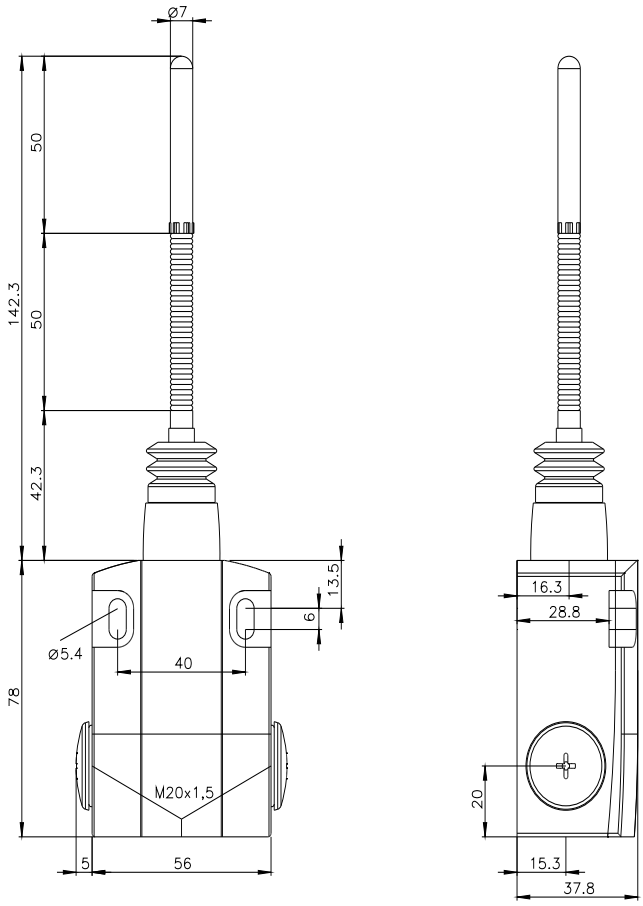
| other | Environment |
|---|---|
| Confirmation, 产品合格 QC PASS | Environmental Confirmations, EPD |

**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

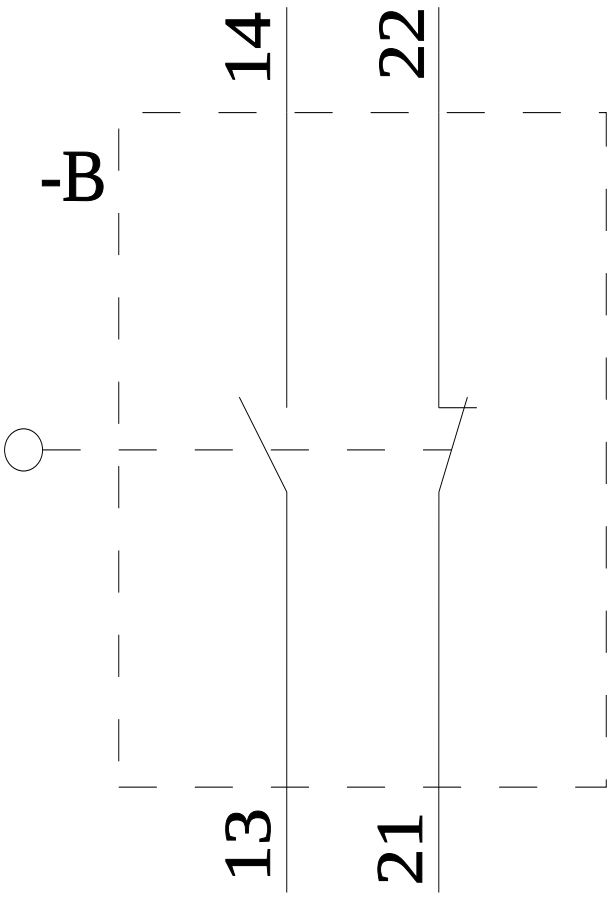

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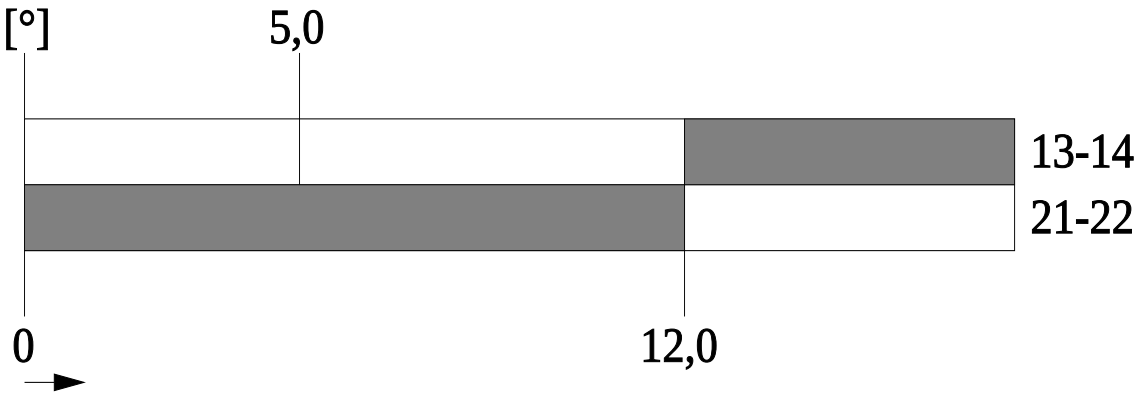
**Industry Mall (Online ordering system)**
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5122-0CR01
**Cax online generator**
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5122-0CR01
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3SE5122-0CR01
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5122-0CR01&lang=en





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