



Position switch Metal enclosure 56 mm wide Device connection 3x (M20x 1.5) 1 NO/1 NC slow-action contacts Roller plunger with Stainless steel roller 13 mm

| | |
|---|--|
| product brand name | SIRIUS |
| product designation | Mechanical position switches |
| product type designation | 3SE5 |
| manufacturer's article number | |
| <ul style="list-style-type: none"> of the supplied basic switch of the supplied actuator head for position switches of the supplied switching contacts of the supplied empty enclosure with cover | 3SE5122-0BA00 3SE5000-0AD02 3SE5000-0BA00 3SE5122-0AA00 |
| 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 | IP66/IP67 |
| shock resistance | |
| <ul style="list-style-type: none"> 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 |
| 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 |
| Weight | 0.427 kg |
| minimum actuating force in directions of actuation | 20 N |
| length of the sensor | 116.5 mm |
| width of the sensor | 56 mm |
| Ambient conditions | |
| ambient temperature | |
| <ul style="list-style-type: none"> during operation during storage | -25 ... +85 °C -40 ... +90 °C |
| explosion protection category for dust | none |

| Main circuit | |
|--|--------------|
| 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 | 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 | slow-action contacts |
| number of switching contacts safety-related | 1 |
| 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 mm ²), 2x (0.5 ... 0.75 mm ²) |
| • finely stranded with core end processing | 1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²) |
| • 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 | Functional Safety |

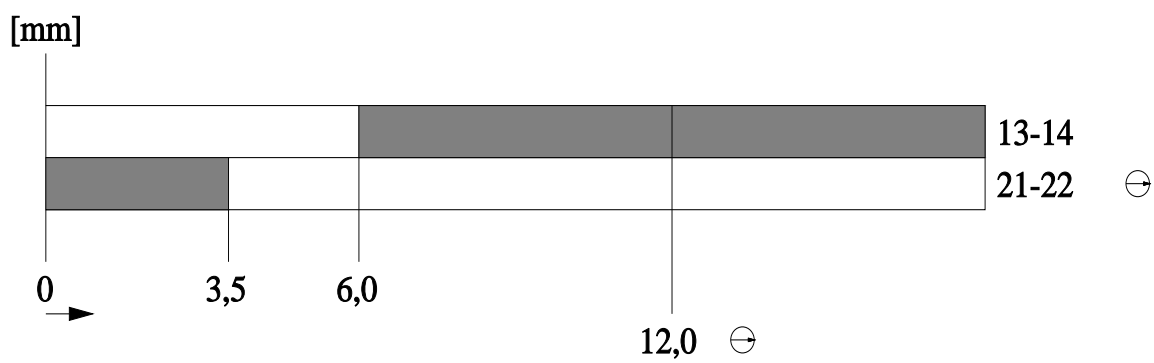


[Type Examination Certificate](#)

| Test Certificates | other | Environment |
|--|---|--|
| Type Test Certificates/Test Report |  | Confirmation Environmental Confirmations |

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>



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