SIEMENS

Data sheet

3SE5122-0KD02



Position switch Metal enclosure 56 mm wide Device connection 3x (M20x 1.5) 1 NO/2 NC slow-action contacts Roller plunger with Stainless steel roller 13 mm

| product designation Mechanical position switches product type designation 3SE5 manufacturer's article number - • of the supplied basic switch SSE500_0AD02 • of the supplied catuator head for position switches SSE500_0AD02 • of the supplied witching contacts SSE500_0AD02 • of the supplied switching contacts SSE500_0AD02 • of the supplied switching contacts SSE500_0AD02 suitability for use safety switch Yes product function positive opening Yes insultation voltage rade value 400 V degree of pollution datas 3 surge voltage resistance rated value 6 kV protection class IP IP86/IP67 shock resistance 30g / 11 ms • according to IEC 60068-2-27 30g / 11 ms • bock resistance 15 500 000 electrical endurance (operating cycles) byfocial 15 000 000 electrical endurance (operating cycles) byfocial 10 0 A metal and the enclosure of the switch head metal reference code according to IEC 81346-2 B continuous current | product brand name | SIRIUS |
|---|--|--|
| product type designation 3SE5 manufacturer's article number 3SE5 of the supplied actuator head for position switches 3SE5000-0AD02 of the supplied actuator head for position switches 3SE5000-0XA00 of the supplied may be nobsure with cover 3SE5122-0XA00 suitability for use safety switch Yes product function positive opening Yes surge voltage rasistance rated value 400 V - according to IEC 60088-2-27 30g / 11 ms vibration resistance according to IEC 60088-2-6 0.35 mm/5g - according to IEC 60088-2-7 30g / 11 ms vibration resistance according to IEC 60088-2-8 0.35 mm/5g - according to IEC 60088-2-27 30g / 11 ms vibration resistance according to IEC 60088-2-2 0.35 mm/5g - according to IEC 60088-2-2 0.35 mm/5g continuous current of the switch head metal reference code according to IEC 81346-2 | | |
| manufacturer's article number 35E5122-0KA00 • of the supplied basic switch 35E5000-0A002 • of the supplied actuator head for position switches 35E5000-0A002 • of the supplied artuator head for position switches 35E5000-0A002 • of the supplied artuator head for position switches 35E5000-0A002 • of the supplied artuator head for position switches 35E5122-0AA00 suitability for use safety switch Yes Ceneral technical data 400 V product function positive opening Yes insulation voitage rated value 400 V degree of pollution class 3 surge voltage resistance rated value 6 KV protection class IP IP66/IP67 shock resistance 9 • according to IEC 60068-2-7 30g /11 ms vibration resistance according to EC 6008-2-6 0.35 mn/5g mechanical service life (operating cycles) typical 15000 000 electrical endurance (operating cycles) typical 100 000 typical 100 A metal reference code according to IEC 61048-2 B continuous current of the Quick DIAZED fuse link 10 A, for a short-circuit curent smaller than 400 A | | |
| of the supplied actuator head for position switches of the supplied avvitching contacts of the supplied anpty enclosure with cover subability for use safety switch Yes central technical data product function positive opening Yes insultation votage rated value 400 V degree of pollution datas 3 surge voltage resistance rated value 6 kV protection class IP shock resistance according to IEC 60068-2-27 30g / 11 ms vibration resistance according to IEC 60068-2-4 so according to IEC 60068-2-4 so according to IEC 60068-2-4 so according to IEC 60068-2-6 so according to IEC 60068-2-6 so according to IEC 60068-2-6 so according to IEC 60068-2-7 sold to votation determine according to IEC 60068-2-6 so according to IEC 60068-2-7 sold to votation according to IEC 60068-2-6 so according to IEC 60068-2-6 so according to IEC 60068-2-6 so according to IEC 60068-2-6 bo according to IEC 60068-2-7 sold to votation according to IEC 60068-2-6 bo according to IEC 60068-2-6 bo according to IEC 60068-2-6 bo according to IEC 60068-2-7 sold to votation according to IEC 60068-2-7 sold to votation thermal current 10 A methalical service IIfe (operating cycles) typical thermal current 10 A metail 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 OIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G for achanical repeat accuracy 0.05 mm Substance Prohibitance (Date) for active principle rechanical repeat accuracy 0.05 mm Ambient | | |
| of the supplied actuator head for position switches of the supplied avvitching contacts of the supplied anpty enclosure with cover subability for use safety switch Yes central technical data product function positive opening Yes insultation votage rated value 400 V degree of pollution datas 3 surge voltage resistance rated value 6 kV protection class IP shock resistance according to IEC 60068-2-27 30g / 11 ms vibration resistance according to IEC 60068-2-4 so according to IEC 60068-2-4 so according to IEC 60068-2-4 so according to IEC 60068-2-6 so according to IEC 60068-2-6 so according to IEC 60068-2-6 so according to IEC 60068-2-7 sold to votation determine according to IEC 60068-2-6 so according to IEC 60068-2-7 sold to votation according to IEC 60068-2-6 so according to IEC 60068-2-6 so according to IEC 60068-2-6 so according to IEC 60068-2-6 bo according to IEC 60068-2-7 sold to votation according to IEC 60068-2-6 bo according to IEC 60068-2-6 bo according to IEC 60068-2-6 bo according to IEC 60068-2-7 sold to votation according to IEC 60068-2-7 sold to votation thermal current 10 A methalical service IIfe (operating cycles) typical thermal current 10 A metail 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 OIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link G for achanical repeat accuracy 0.05 mm Substance Prohibitance (Date) for active principle rechanical repeat accuracy 0.05 mm Ambient | of the supplied basic switch | 3SE5122-0KA00 |
| of the supplied switching contacts of the supplied empty enclosure with cover SSE5122.0AA00 suitability for use safety switch Yes General technical data product function positive opening Yes insultation voltage rated value 400 V degree of pollution deass 3 surge voltage resistance rated value 6kV protection class IP IP66/IP67 shock resistance according to IEC 60068-2-7 30g / 11 ms vibration resistance according to IEC 60068-2-6 0.35 mm/5g mechanical service life (operating cycles) typical If 500 000 electrical endurance (operating cycles) typical If 500 000 electrical endurance (operating cycles) typical If 600 000 electrical endurance (operating cycles) typical If 600 000 electrical endurance (operating cycles) typical If 600 000 electrical endurance (operating cycles) typical If 0A 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 C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link 10 A; for a short-circuit current smaller than 400 A continuous current of the DIAZED fuse link gG A active principle mechanical repeat accuracy 0.05 mm Substance Prohibitance (Date) minimum actuating force in directions of actuation 25 +85 °C • during storage 40 +80 °C | | |
| • of the supplied empty enclosure with cover SSE5122-0AA00 suitability for use safety switch Yes Ceneral 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 protect function positive opening 1966/IP67 shock resistance 9 • according to IEC 60068-2-27 30g / 11 ms • vibration resistance according to IEC 60068-2-5 0.35 mm/Sg mechanical service life (operating cycles) typical 15 000 000 electrical endurance (operating cycles) typical 100 000 typical 100 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 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 116.5 mm | | |
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| 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 - • 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) typical 15 000 000 electrical endurance (operating cycles) typical 10 000 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 QLAZED 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 accursey 0.05 mm Substance Prohibitance (Date) 07/01/2006 minimum actuating force in directions of actuation 20 N length of the sensor 116.5 mm width of the sensor | | |
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| degree of pollution class 3 surge voltage resistance rated value 6 kV protection class IP IP66/IP67 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 electrical endurance (operating cycles) at AC-15 at 230 V 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 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 116.5 mm width of the sensor 56 mm Ambient conditions -25 +85 °C adving storage -40 +9 | product function positive opening | Yes |
| surge voltage resistance rated value 6 kV protection class IP IP66/IP67 shock resistance | insulation voltage rated value | 400 V |
| protection class IP IP66/IP67 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 electrical endurance (operating cycles) at AC-15 at 230 V typical 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 C characteristic MCB 1 A; for a short-circuit current smaller than 400 A continuous current of the 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 56 mm Ambient conditions ambient temperature eduring operation -25 +85 °C eduring operation -25 +85 °C eduring operation -25 +85 °C eduring operation -25 +80 °C eduring operation < | degree of pollution | class 3 |
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| • 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 100 000 typical 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 minimum actuating force in directions of actuation 20 N length of the sensor 116.5 mm width of the sensor 56 mm Ambient temperature -25 +85 °C • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none design of the switching contact mechanical | protection class IP | IP66/IP67 |
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| typical 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 Qiak 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 116.5 mm width of the sensor 56 mm Ambient temperature -25 +85 °C • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none design of the switching contact mechanical | mechanical service life (operating cycles) typical | 15 000 000 |
| 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 minimum actuating force in directions of actuation 20 N length of the sensor 116.5 mm width of the sensor 56 mm Ambient conditions -25 +85 °C • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none design of the switching contact mechanical | | 100 000 |
| 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 0 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 116.5 mm width of the sensor 56 mm Ambient conditions -25 +85 °C e during operation -25 +85 °C e during storage -40 +90 °C explosion protection category for dust none design of the switching contact mechanical | thermal current | 10 A |
| 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 116.5 mm width of the sensor 56 mm Ambient conditions -25 +85 °C • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none design of the switching contact mechanical | material of the enclosure of the switch head | metal |
| 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 116.5 mm width of the sensor 56 mm Ambient conditions -25 +85 °C e during operation -25 +85 °C e during storage -40 +90 °C explosion protection category for dust none design of the switching contact mechanical | reference code according to IEC 81346-2 | В |
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| 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 116.5 mm width of the sensor 56 mm Ambient conditions 20 N ambient temperature -25 +85 °C • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none design of the switching contact mechanical | continuous current of the quick DIAZED fuse link | 10 A; for a short-circuit current smaller than 400 A |
| repeat accuracy 0.05 mm Substance Prohibitance (Date) 07/01/2006 minimum actuating force in directions of actuation 20 N length of the sensor 116.5 mm width of the sensor 56 mm Ambient conditions 36 mm ambient temperature -25 +85 °C • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none design of the switching contact mechanical | continuous current of the DIAZED fuse link gG | 6 A |
| Substance Prohibitance (Date) 07/01/2006 minimum actuating force in directions of actuation 20 N length of the sensor 116.5 mm width of the sensor 56 mm Ambient conditions 36 mm ambient temperature -25 +85 °C • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none design of the switching contact mechanical | active principle | mechanical |
| minimum actuating force in directions of actuation 20 N length of the sensor 116.5 mm width of the sensor 56 mm Ambient conditions 300 mm ambient temperature -25 +85 °C • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none mechanical mechanical | repeat accuracy | 0.05 mm |
| length of the sensor 116.5 mm width of the sensor 56 mm Ambient conditions -25 +85 °C • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none design of the switching contact mechanical | Substance Prohibitance (Date) | 07/01/2006 |
| width of the sensor 56 mm Ambient conditions -25 +85 °C • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none design of the switching contact mechanical | minimum actuating force in directions of actuation | 20 N |
| Ambient conditions ambient temperature • during operation • during storage • during storage -40 +90 °C explosion protection category for dust none design of the switching contact | length of the sensor | 116.5 mm |
| ambient temperature -25 +85 °C • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none design of the switching contact mechanical | width of the sensor | 56 mm |
| • during operation -25 +85 °C • during storage -40 +90 °C explosion protection category for dust none design of the switching contact mechanical | Ambient conditions | |
| • during storage -40 +90 °C explosion protection category for dust none design of the switching contact mechanical | ambient temperature | |
| explosion protection category for dust none design of the switching contact mechanical | during operation | -25 +85 °C |
| design of the switching contact mechanical | during storage | -40 +90 °C |
| | explosion protection category for dust | none |
| operating frequency rated value 50 60 Hz | design of the switching contact | mechanical |
| | operating frequency rated value | 50 60 Hz |

| number of NC contacts for auxiliary contacts | 2 |
|---|--|
| 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 | |
| • | 2.4 |
| at 24 V rated value at 125 V rated value | 3 A 0 55 A |
| | 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 | 2 |
| cable entry type | |
| 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 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 |
| Certificates/ approvals | |
| General Product Approval | Functional Safety/Safety o chinery |
| | nfirmation Que under the second secon |
| | |
| | ertificates other |
| Declaration of Conformity Test Cert | ertificates other Test Certific- Test Report Confirmation |

Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

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

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=3SE5122-0KD02

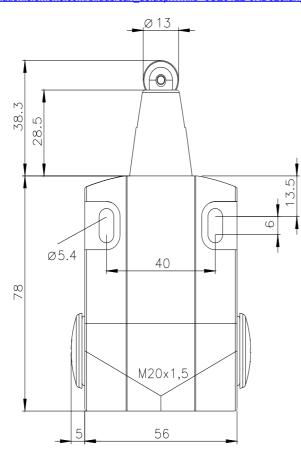
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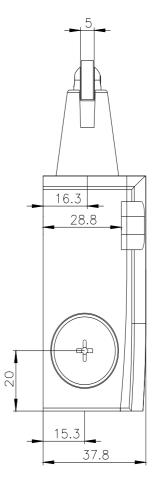
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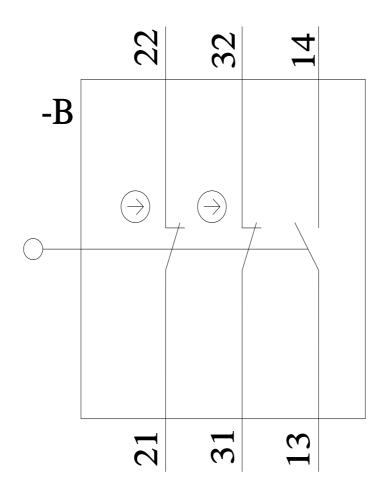
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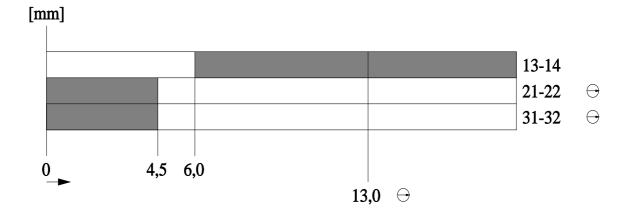
https://support.industry.siemens.com/cs/ww/en/ps/3SE512

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5122-0KD02&lang=en









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