



Switching element for position switch 3SE51/52 1 NO/2 NC slow-action contact

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| product brand name | SIRIUS |
| product designation | contact |
| product type designation | 3SE5 |
| 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 | IP00 |
| 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 (switching cycles) typical | 15 000 000 |
| electrical endurance (switching cycles) at AC-15 at 230 V typical | 100 000 |
| electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical | 10 000 000 |
| Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 | 6 000 |
| thermal current | 10 A |
| reference code according to IEC 81346-2 | S |
| 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 | 0.1 mm |
| Substance Prohibitance (Date) | 07/01/2006 |
| width of the sensor | 25 mm |
| 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 | |
| • at 24 V rated value | 3 A |

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| <ul style="list-style-type: none"> • at 125 V rated value • at 250 V rated value • at 400 V rated value | 0.55 A |
| | 0.27 A |
| | 0.12 A |
| design of the interface for safety-related communication | without |
| Enclosure | |
| coating of the enclosure | Other types |
| Drive Head | |
| design of the switching function | positive opening |
| circuit principle | slow-action contacts |
| number of switching contacts safety-related | 2 |
| Connections/ Terminals | |
| type of electrical connection | screw-type terminals |
| type of connectable conductor cross-sections | |
| <ul style="list-style-type: none"> • solid | 1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²) |
| <ul style="list-style-type: none"> • finely stranded with core end processing | 1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²) |
| <ul style="list-style-type: none"> • at AWG cables solid | 1x (20 ... 16), 2x (20 ... 18) |
| <ul style="list-style-type: none"> • at AWG cables stranded | 1x (20 ... 16), 2x (20 ... 18) |
| Communication/ Protocol | |
| design of the interface | without |
| Ambient conditions | |
| ambient temperature | |
| <ul style="list-style-type: none"> • during operation | -25 ... +85 °C |
| <ul style="list-style-type: none"> • during storage | -40 ... +90 °C |
| explosion protection category for dust | none |
| Installation/ mounting/ dimensions | |
| mounting position | any |
| fastening method | snap-on mounting |
| Certificates/ approvals | |
| General Product Approval | |



[Confirmation](#)



[KC](#)



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|--------------------------|---------------------------|-------------------|-------|
| General Product Approval | Declaration of Conformity | Test Certificates | other |
|--------------------------|---------------------------|-------------------|-------|



[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=3SE5000-0KA00>

Cax online generator

<http://support.automation.siemens.com/WWW/CAXorder/default.aspx?lang=en&mlfb=3SE5000-0KA00>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5000-0KA00>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5000-0KA00&lang=en

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12/21/2020