



Basic switch for position switch 3SE51 Plastic enclosure 40 mm according to EN 50041 Device connection 1 x (M20 x 1.5) with 2 LEDs, yellow/green, 24 V DC 1 NO / 2 NC quick action contacts without actuator head

|  |  |
|--|--|
| <b>product brand name</b>  | SIRIUS   |
| <b>product designation</b>   | Mechanical safety switches                           |
| <b>product type designation</b>  | 3SE5   |
| <b>manufacturer's article number</b>   |  |
| • of the supplied switching contacts   | <a href="#">3SE5000-0LA00</a>                        |
| • of the supplied empty enclosure with cover   | <a href="#">3SE5132-0AA00</a>                        |
| suitability for use safety switch  | Yes  |
| <b>General technical data</b>  |  |
| product function positive opening  | Yes  |
| insulation voltage rated value   | 400 V  |
| <b>degree of pollution</b>   | class 3  |
| <b>surge voltage resistance rated value</b>  | 6 kV   |
| <b>protection class IP</b>   | IP66/IP67  |
| <b>shock resistance</b>  |  |
| • 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  |
| <b>electrical endurance (switching cycles) with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026 typical</b> | 10 000 000   |
| <b>Electrical operating cycles in one hour with contactor 3RH11, 3RT1016, 3RT1017, 3RT1024, 3RT1025, 3RT1026</b>         | 6 000  |
| <b>thermal current</b>   | 10 A   |
| <b>reference code according to IEC 81346-2</b>   | B  |
| <b>continuous current of the C characteristic MCB</b>  | 1 A; for a short-circuit current smaller than 400 A  |
| <b>continuous current of the quick DIAZED fuse link</b>  | 10 A; for a short-circuit current smaller than 400 A |
| <b>continuous current of the DIAZED fuse link gG</b>   | 6 A  |
| <b>active principle</b>  | mechanical   |
| <b>repeat accuracy</b>   | 0.05 mm  |
| <b>Substance Prohibitance (Date)</b>   | 07/01/2006   |
| <b>minimum actuating force in directions of actuation</b>  | 20 N   |
| <b>length of the sensor</b>  | 85.7 mm  |
| <b>width of the sensor</b>   | 40 mm  |
| <b>design of the switching contact</b>   | mechanical   |
| <b>operating frequency rated value</b>   | 50 ... 60 Hz   |
| <b>number of NC contacts for auxiliary contacts</b>  | 2  |
| <b>number of NO contacts for auxiliary contacts</b>  | 1  |
| <b>operational current at AC-15</b>  |  |

|   |   |
|---|---|
| • at 230 V rated value  | 6 A   |
| design of the interface for safety-related communication          | without   |
| <b>Enclosure</b>  |   |
| design of the housing   | block, narrow   |
| material of the enclosure   | plastic   |
| coating of the enclosure  | Other types   |
| design of the housing according to standard                       | Yes   |
| <b>Drive Head</b>   |   |
| design of the actuating element                                   | Other, without, basic switch  |
| design of the switching function                                  | Positive opening with appropriate positive opening actuator head      |
| circuit principle   | snap-action contacts  |
| number of switching contacts safety-related                       | 2   |
| <b>Connections/ Terminals</b>                                     |   |
| type of electrical connection                                     | screw-type terminals  |
| type of connectable conductor cross-sections                      |   |
| • solid   | 1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> ) |
| • finely stranded with core end processing                        | 1x (0.5 ... 1.5 mm <sup>2</sup> ), 2x (0.5 ... 0.75 mm <sup>2</sup> ) |
| • at AWG cables solid   | 1x (20 ... 16), 2x (20 ... 18)  |
| • at AWG cables stranded  | 1x (20 ... 16), 2x (20 ... 18)  |
| cable entry type  | 1x (M20 x 1.5)  |
| <b>Communication/ Protocol</b>                                    |   |
| design of the interface   | without   |
| <b>Ambient conditions</b>   |   |
| ambient temperature   |   |
| • during operation  | -25 ... +60 °C  |
| • during storage  | -40 ... +90 °C  |
| explosion protection category for dust                            | none  |
| <b>Supply voltage</b>   |   |
| type of voltage of the supply voltage of the optional LED display | AC  |
| supply voltage  |   |
| • of LED  | 230 V   |
| <b>Installation/ mounting/ dimensions</b>                         |   |
| mounting position   | any   |
| fastening method  | screw fixing  |
| <b>Certificates/ approvals</b>                                    |   |
| General Product Approval  |   |



[Confirmation](#)



|                                       |                           |       |
|---------------------------------------|---------------------------|-------|
| Functional Safety/Safety of Machinery | Declaration of Conformity | other |
|---------------------------------------|---------------------------|-------|

[Type Examination Certificate](#)



[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=3SE5132-3LA00>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5132-3LA00>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5132-3LA00>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3SE5132-3LA00&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3SE5132-3LA00&lang=en)

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