

BASIC SWITCH FOR POSITION SWITCH 3SE51, METAL ENCLOSURE, ACC. TO EN50041 DEVICE CONNECTION 1X (M20X1.5) 1NO/1NC SNAP-ACTION CONTACTS W/O ACTUATOR HEAD



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| Product designation | basic switch for standard position switches |
| Manufacturer's article number | |
| <ul style="list-style-type: none"> • of the supplied basic switch • of the supplied switching contacts • of the supplied empty enclosure with cover | <p>3SE5112-0CA00</p> <p>3SE5000-0CA00</p> <p>3SE5112-0AA00</p> |
| General technical data | |
| Product function | |
| <ul style="list-style-type: none"> • positive opening | Yes |
| Insulation voltage | |
| <ul style="list-style-type: none"> • 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"> • acc. to IEC 60068-2-27 | 30 g / 11 ms |
| Vibration resistance | |
| <ul style="list-style-type: none"> • acc. to IEC 60068-2-6 | 0.35 mm/5g |
| Mechanical service life (switching cycles) | |
| <ul style="list-style-type: none"> • typical | 15 000 000 |

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| Electrical endurance (switching cycles) | |
| <ul style="list-style-type: none"> • 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 |
| Equipment marking | |
| <ul style="list-style-type: none"> • acc. to DIN EN 61346-2 | B |
| <ul style="list-style-type: none"> • acc. to DIN EN 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 |
| Minimum actuating force in activation direction | 20 N |
| Operating current at AC-15 | |
| <ul style="list-style-type: none"> • at 24 V rated value | 6 A |
| <ul style="list-style-type: none"> • at 125 V rated value | 6 A |
| <ul style="list-style-type: none"> • at 230 V rated value | 6 A |
| <ul style="list-style-type: none"> • at 400 V rated value | 4 A |
| Operating current at DC-13 | |
| <ul style="list-style-type: none"> • at 24 V rated value | 3 A |
| <ul style="list-style-type: none"> • at 125 V rated value | 0.55 A |
| <ul style="list-style-type: none"> • at 230 V rated value | 0.27 A |
| <ul style="list-style-type: none"> • at 400 V rated value | 0.1 A |

Enclosure

| | |
|---|----------------------------|
| Design of the housing | block, narrow |
| Material of the enclosure | metal |
| Coating of the enclosure | cathodic immersion coating |
| Design of the housing acc. to standard | Yes |

Drive Head

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| Design of the operating mechanism | Other, without, basic switch |
| Design of the switching function | Positive opening with appropriate positive opening actuator head |

Connections/Terminals

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|--|---|
| 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 conductors solid | 1x (20 ... 16), 2x (20 ... 18) |

- at AWG conductors stranded

1x (20 ... 16), 2x (20 ... 18)

Mechanical data

Cable entry type 1x (M20 x 1.5)

Communication/ Protocol

Design of the interface without

Ambient conditions

Ambient temperature

- during operation -25 ... +85 °C
- during storage -40 ... +90 °C

Installation/ mounting/ dimensions

Mounting position any

Mounting type screw fixing

Certificates/approvals

General Product Approval

Functional Safety/Safety of Machinery

Declaration of Conformity



CCC



CSA



UL



[Type Examination Certificate](#)



EG-Konf.

Test Certificates

[Special Test Certificate](#)

other

[Confirmation](#)

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE5112-0CA00>

Cax online generator

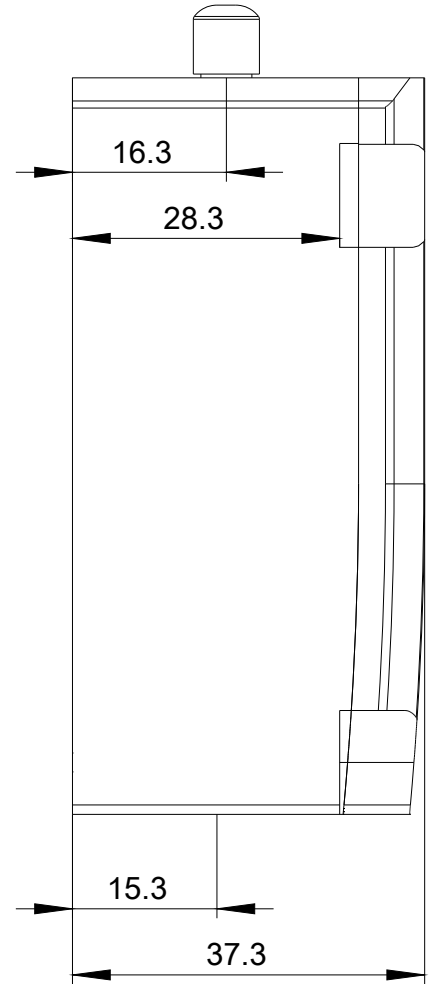
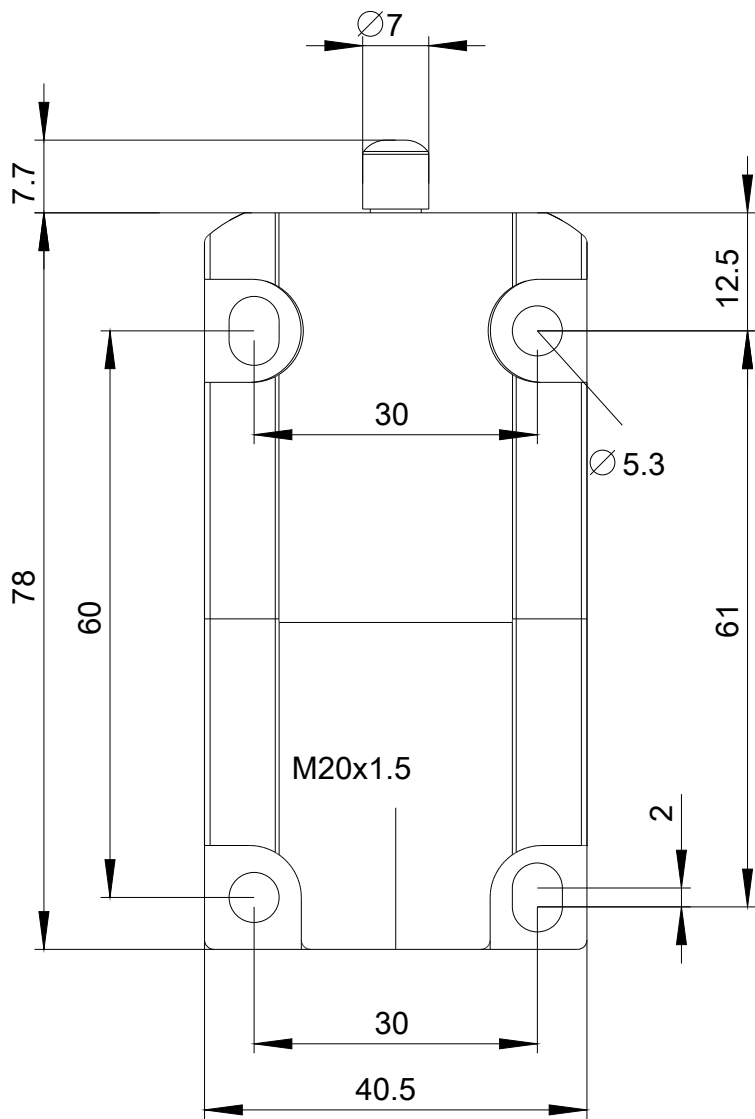
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5112-0CA00>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5112-0CA00>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5112-0CA00&lang=en



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