

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

| | | |
|--|--|---|
| Product designation | | basic switch for standard position switches |
| Manufacturer 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 | | 3SE5112-0CA00-1CA0 3SE5000-0CA00 3SE5112-0AA00-1CA0 |

General technical data:

| | | |
|--|----|--------------|
| Product function | | |
| <ul style="list-style-type: none"> • positive opening | | Yes |
| Insulation voltage | | |
| <ul style="list-style-type: none"> • Rated value | V | 400 |
| Degree of pollution | | class 3 |
| Shock resistance | | 30g / 11 ms |
| Vibration resistance | | 0.35 mm / 5g |
| Surge voltage resistance Rated value | kV | 6 |
| Mechanical service life (switching cycles) | | |
| <ul style="list-style-type: none"> • typical | | 15 000 000 |
| 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 | A | 6 |
| Protection class IP | | IP66/IP67 |

| | | |
|---|----|------------|
| Equipment marking | | |
| • acc. to DIN EN 61346-2 | | B |
| • acc. to DIN EN 81346-2 | | B |
| Active principle | | mechanical |
| Repeat accuracy | mm | 0.05 |
| Explosion protection category for dust | | none |
| Explosion protection category for gas | | none |
| Minimum actuating force in activation direction | N | 20 |
| Operating current at AC-15 | | |
| • at 230 V Rated value | A | 6 |
| • at 400 V Rated value | A | 4 |
| Operating current | | |
| • at DC-13 at 125 V Rated value | A | 0.55 |
| • at DC-13 at 400 V Rated value | A | 0.1 |
| Operating current | | |
| • at DC-13 | | |
| — at 24 V Rated value | A | 3 |

| | | |
|---|--|----------------------------|
| 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: | | |
| Design of the operating mechanism | | without |
| Design of the switching function | | Positive opening with appropriate positive opening actuator head |

| | | |
|--|--|---|
| Connections/ Terminals: | | |
| Type of electrical connection | | screw-type terminals |
| Type of connectable conductor cross-section | | |
| • 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) |
| • finely stranded without core end processing | | 1x (0.5 ... 1.5 mm ²), 2x (0.5 ... 0.75 mm ²) |
| • for AWG conductors | | |
| — solid | | 1x (20 ... 16), 2x (20 ... 18) |
| — stranded | | 1x (20 ... 16), 2x (20 ... 18) |

| | | |
|-------------------------|--|----------------|
| Mechanical data: | | |
| Cable entry type | | 1x (M20 x 1.5) |

| | | |
|---------------------------------|--|---------|
| Communication/ Protocol: | | |
| Design of the interface | | without |

| | | |
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| Ambient conditions: | | |
|----------------------------|--|--|

| | | | |
|----------------------------|--------------------|----|-------------|
| Ambient temperature | • during operation | °C | -25 ... +85 |
| | • during storage | °C | -40 ... +90 |

Installation/ mounting/ dimensions:

| | | |
|--------------------------|--|--------------|
| mounting position | | any |
| Mounting type | | screw fixing |

Certificates/ approvals:

| General Product Approval | Declaration of Conformity | Test Certificates |
|--|---|---|
|  CCC |  |  UL |
|  CSA |  EG-Konf. | Special Test Certificate |

other

[Confirmation](#)

Further information

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

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

Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

Cax online generator

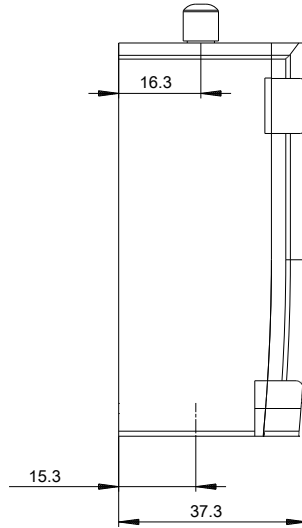
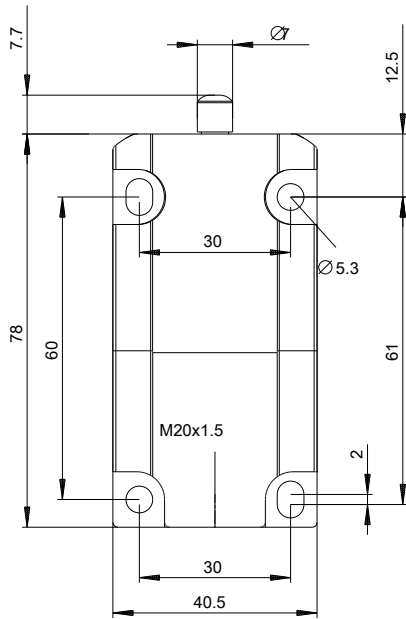
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE51120CA001CA0>

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

<http://support.automation.siemens.com/WW/view/en/3SE51120CA001CA0/all>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE51120CA001CA0&lang=en



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