

MAGNETIC SWITCH SWITCH BLOCK, ROUND M30, CONTACTS 1NC/1NO, WITH M12 PLUG 4-POLE, PIN ASSIGN.:PIN1=21, PIN2=22, PIN3=13, PIN4=14



Figure similar

| | |
|---|--|
| Product designation | magnetically operated switch, switch block |
| Design of the product | round sensor unit, M30 |
| Suitability for use safety-related circuits | Yes |

General technical data:

| | |
|---|----------------------------------|
| Product function | |
| <ul style="list-style-type: none"> • positive opening | No |
| <ul style="list-style-type: none"> • cross-circuit/short-circuit recognition | Yes |
| Type of voltage of the operating voltage | AC/DC |
| Protection class IP | IP67 |
| Shock resistance | |
| <ul style="list-style-type: none"> • acc. to IEC 60068-2-27 | Sinusoidal half-wave 30g / 11 ms |
| Vibration resistance | |
| <ul style="list-style-type: none"> • acc. to IEC 60068-2-6 | 10 ... 55 Hz: 1 mm |
| Equipment marking | |
| <ul style="list-style-type: none"> • acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 | S |
| <ul style="list-style-type: none"> • acc. to DIN EN 61346-2 | S |
| <ul style="list-style-type: none"> • acc. to DIN EN 81346-2 | S |
| Type of voltage | AC/DC |

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|---|--------------------------------|
| Length of the sensor | 48 mm |
| Diameter of the sensor | 30 mm |
| Material of the active sensor area | plastic |
| Mechanical installation condition for sensor | no flush installation possible |
| Operating voltage Rated value | 100 V |
| Operating current Rated value | 400 mA |
| Number of NC contacts | |
| • for auxiliary contacts | 1 |
| Number of NO contacts | |
| • for auxiliary contacts | 1 |
| Number of CO contacts for auxiliary contacts | 0 |

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| Enclosure: | |
| Design of the housing | cylinder, thread |
| Material of the enclosure | plastic |

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| Actuator: | |
| Design of the operating mechanism | magnet |

| | |
|---|---------------------------|
| Contact: | |
| Circuit principle | reed switches |
| Switching frequency | 5 Hz |
| Safe operating distance OFF | 15 mm |
| Safe operating distance ON | 5 mm |
| Design of the switching function | NC contact and NO contact |

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| Connections/ Terminals: | |
| Type of electrical connection | connector M12 |

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| Safety related data: | |
| Safety Integrity Level (SIL) acc. to IEC 61508 | SIL3 |
| Performance level (PL) acc. to EN ISO 13849-1 | e |
| Category acc. to EN 954-1 | 4 |

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| Ambient conditions: | |
| Ambient temperature | |
| • during operation | -25 ... +70 °C |
| • during storage and transport | -25 ... +70 °C |

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| Display: | |
| Evaluation version required | yes |

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| Installation/ mounting/ dimensions: | |
| Mounting type | screw fixing |

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| Certificates/ approvals: | |
|---------------------------------|--|

| | | | |
|--------------------------|---------------------------------------|---------------------------|-------|
| General Product Approval | Functional Safety/Safety of Machinery | Declaration of Conformity | other |
|--------------------------|---------------------------------------|---------------------------|-------|



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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?mfb=3SE66051BA02>

Cax online generator

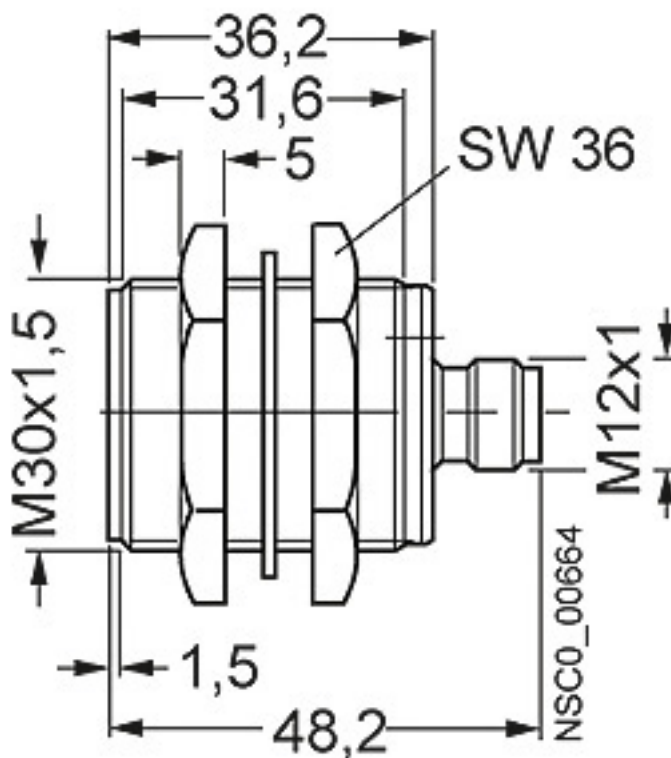
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3SE66051BA02>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE66051BA02>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3SE66051BA02&lang=en



last modified:

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