



Basic switch for position switch 3SE51 Metal enclosure 40 mm according to EN 50041, with M12 connector, 5-pole, fixed 1 NO/2 NC slow-action contacts (2 NC and PE connected) Max. 125 V, 4 A

| | |
|--|--|
| product brand name | SIRIUS |
| product designation | Mechanical safety switches |
| product type designation | 3SE5 |
| manufacturer's article number | |
| • of the supplied switching contacts | 3SE5000-0KA00 |
| suitability for use safety switch | Yes |
| General technical data | |
| product function positive opening | Yes |
| insulation voltage rated value | 125 V |
| degree of pollution | class 3 |
| surge voltage resistance rated value | 1.5 kV |
| protection class IP | IP66/IP67 |
| 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 (operating cycles) typical | 15 000 000 |
| thermal current | 4 A |
| reference code according to IEC 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 | 4 A; for a short-circuit current smaller than 400 A |
| continuous current of the DIAZED fuse link gG | 4 A |
| active principle | mechanical |
| repeat accuracy | 0.05 mm |
| Substance Prohibitance (Date) | 07/01/2006 |
| SVHC substance name | Imidazolidine-2-thione (2-imidazoline-2-thiol) - 96-45-7 |
| Weight | 0.336 kg |
| minimum actuating force in directions of actuation | 20 N |
| length of the sensor | 99.7 mm |
| width of the sensor | 40 mm |
| Ambient conditions | |
| ambient temperature | |
| • during operation | -25 ... +85 °C |
| • during storage | -40 ... +90 °C |
| explosion protection category for dust | none |
| Main circuit | |
| design of the switching contact | mechanical |
| 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 | |

| | |
|---|--------|
| <ul style="list-style-type: none"> • at 24 V rated value • at 125 V rated value | 4 A |
| operational current at DC-13 | 4 A |
| <ul style="list-style-type: none"> • at 24 V rated value • at 125 V rated value | 3 A |
| | 0.55 A |

Enclosure

| | |
|--|----------------------|
| design of the housing | block, narrow |
| material of the enclosure | metal |
| coating of the enclosure | cathodic dip coating |
| design of the housing according to standard | Yes |

Drive Head

| | |
|---|---|
| design of the actuating element | Other, without, basic switch with plug |
| design of the switching function | Positive opening with appropriate positive opening actuator head |
| circuit principle | slow-action contacts |
| number of switching contacts safety-related | 2 |
| cable entry type | M12 plug |
| design of plug-in connection | M12 plug, 5-pole: Pin 1 = terminal 21, Pin 2 = 22, Pin 3 = 31, Pin 4 = 32, Pin 5 = PU |

Installation/ mounting/ dimensions

| | |
|--------------------------|--------------|
| mounting position | any |
| fastening method | screw fixing |

Connections/ Terminals

| | |
|--|-----------------|
| type of electrical connection | M12 plug, fixed |
| design of the interface for safety-related communication | without |

Communication/ Protocol

| | |
|--------------------------------|---------|
| design of the interface | without |
|--------------------------------|---------|

Approvals Certificates

| | |
|---------------------------------|--------------------------|
| General Product Approval | Functional Safety |
|---------------------------------|--------------------------|



[Type Examination Certificate](#)

| | | |
|--------------------------|--------------|--------------------|
| Test Certificates | other | Environment |
|--------------------------|--------------|--------------------|

[Type Test Certificates/Test Report](#)

[Confirmation](#)



[Environmental Confirmations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3SE5114-0KA00-1AE1>

Cax online generator

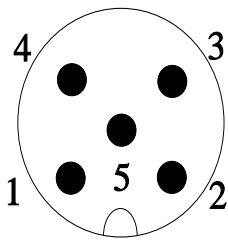
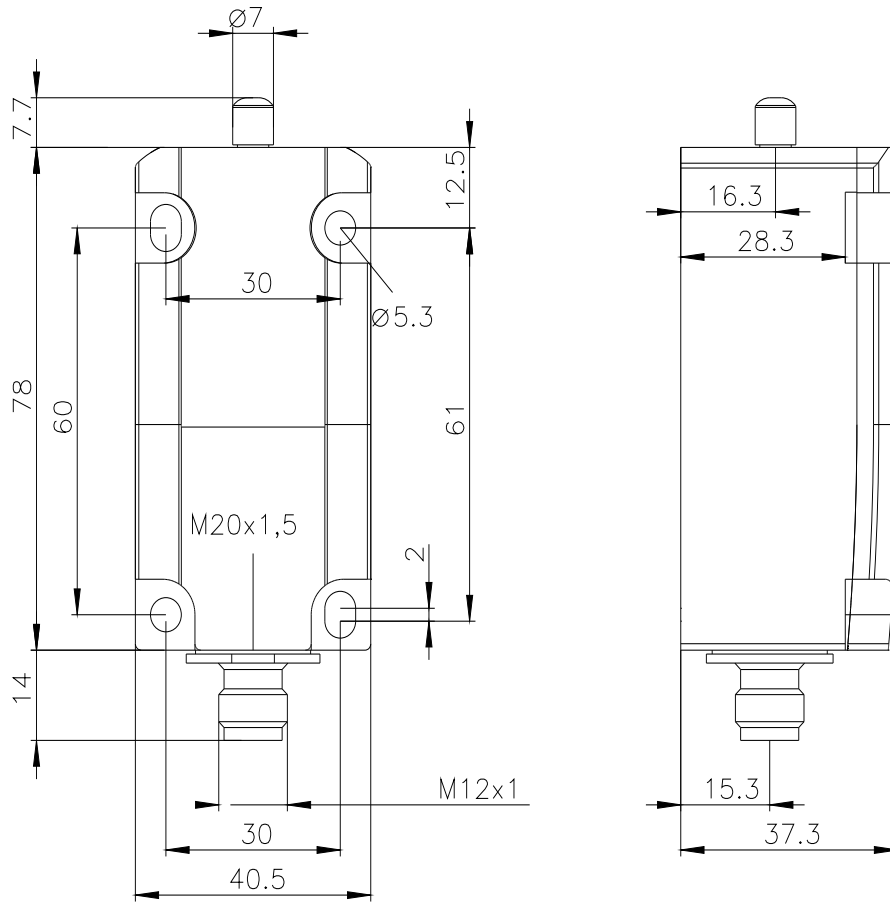
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE5114-0KA00-1AE1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE5114-0KA00-1AE1>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE5114-0KA00-1AE1&lang=en



| | | | |
|---|----------------------|---|----|
| 1 | BN = Brown | → | 21 |
| 2 | WH = White | → | 22 |
| 3 | BU = Blue | → | 31 |
| 4 | BK = Black | → | 32 |
| 5 | GN/YE = Green/Yellow | → | ⊕ |

