SIEMENS

## Data sheet 3SE6624-4CA01

Magnet switch Contact block 25 x 88 mm, for door hinge on the right
Contact elements: Safety contacts 2 NC with M8 connector, 4-pole with combi connection Screw/latching connection with LED, the matching solenoid 3SE6714-2CA or offset by 90°: 3SE6724-2CA

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| **product brand name** | SIRIUS |
| **product designation** | Magnetically operated switch |
| **design of the product** | Rectangular sensor unit |
| **product type designation** | 3SE66 |
| suitability for use safety-related circuits | Yes |
| **General technical data** | |
| **product function** | |
| ● positive opening | No |
| ● control function for downstream devices | No |
| ● cross-circuit/short-circuit recognition | Yes |
| type of voltage of the operating voltage | DC |
| **protection class IP** | IP67 |
| **shock resistance according to IEC 60068-2-27** | Sinusoidal half-wave 30g / 11 ms |
| **vibration resistance according to IEC 60068-2-6** | 10 ... 55 Hz: 1 mm |
| **reference code according to IEC 81346-2** | S |
| **Substance Prohibitance (Date)** | 07/01/2006 |
| **height of the sensor** | 25 mm |
| **length of the sensor** | 13 mm |
| **width of the sensor** | 88 mm |
| **material of the active sensor area** | Plastic, glass-fiber reinforced thermoplastic |
| **mechanical installation condition for sensor** | can be installed almost flush |
| **Ambient conditions** | |
| ambient temperature during operation | -25 ... +70 °C |
| **Control circuit/ Control** | |
| **type of voltage** | DC |
| operating voltage rated value | 24 V |
| **operational current rated value** | 10 mA |
| operating power rated value | 0.24 W |
| **number of NC contacts for auxiliary contacts** | 2 |
| number of NC contacts safety-related | 2 |
| **number of NO contacts for auxiliary contacts** | 0 |
| number of NO contacts safety-related | 0 |
| **Enclosure** | |
| **material of the enclosure** | Plastic, glass-fiber reinforced thermoplastic |
| **opening direction of the door** | right |
| **Actuator** | |
| **design of the actuating element** | magnet |
| **Display** | |
| **evaluation unit required** | yes |

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| **Contact** | |
| **switching frequency** | 5 Hz |
| **assured operating distance OFF** | 17 mm |
| **assured operating distance ON** | 7 mm |
| **design of the switching function** | NC contact |
| number of switching contacts for signaling function | 0 |
| ● safety-related | 0 |
| **Installation/ mounting/ dimensions** | |
| **fastening method** | screw fixing |
| **Connections/ Terminals** | |
| **type of electrical connection** | M8 connector, 4-pole |
| **Inputs/ Outputs** | |
| **number of semiconductor outputs** | |
| ● for signaling function | 0 |
| ● safety-related | 0 |
| **number of outputs as contact-affected switching element** | |
| ● as NC contact | |
| — safety-related instantaneous contact | 2 |
| ● as NO contact safety-related instantaneous contact | 0 |
| **Safety related data** | |
| B10 value with high demand rate according to SN 31920 | 12 500 000 |
| Safety Integrity Level (SIL) according to IEC 61508 | 3 |
| performance level (PL) according to EN ISO 13849-1 | e |
| **proportion of dangerous failures** | |
| ● with low demand rate according to SN 31920 | 50 % |
| ● with high demand rate according to SN 31920 | 50 % |
| T1 value for proof test interval or service life according to IEC 61508 | 20 y |
| **category according to EN 954-1** | 4 |

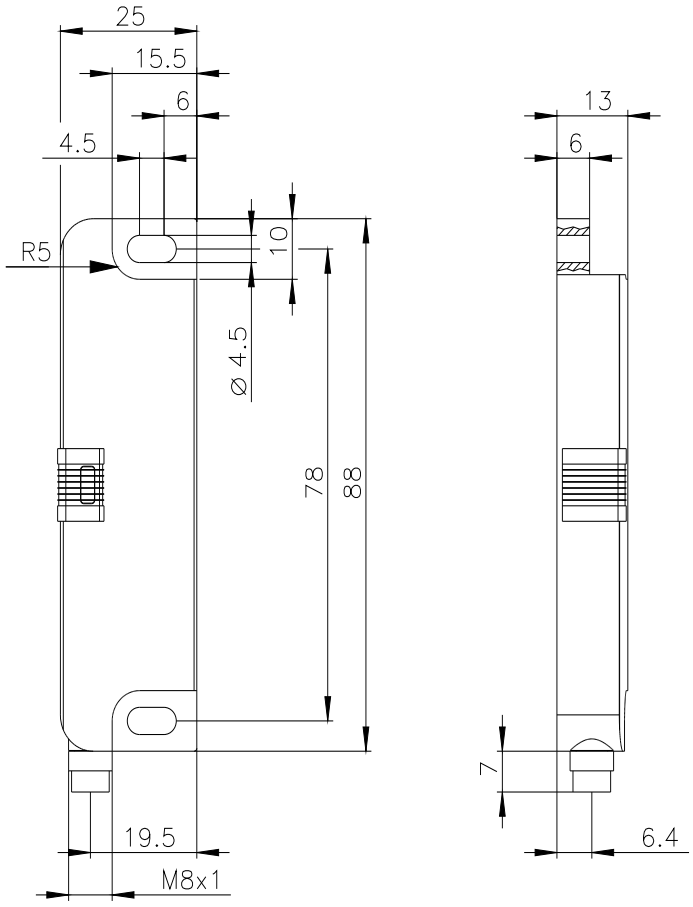
**Certificates/ approvals**

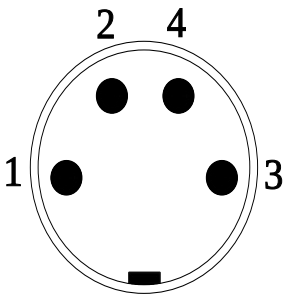
| General Product Approval | | | | EMC | Functional Safety/Safety of Machinery |
|---|---|---|---|---|---|
| Confirmation | UL | EAC | EAC | RCM | Miscellaneous |

| Declaration of Conformity | other |
|---|---|
| UKCA CE EG-Konf. | 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=3SE6624-4CA01
**Cax online generator**
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6624-4CA01
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/3SE6624-4CA01
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6624-4CA01&lang=en

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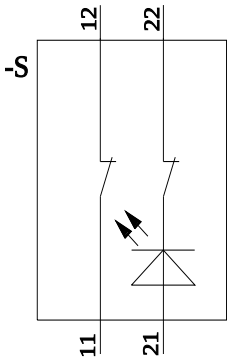
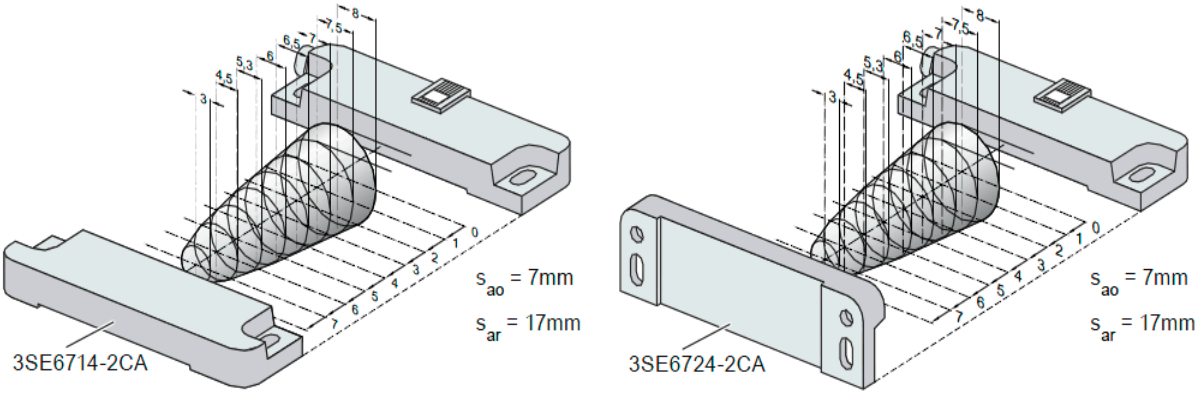
|---|---|---|
| PIN 1 | → | 21(+) |
| PIN 2 | → | 22(-) |
| PIN 3 | → | 11 |
| PIN 4 | → | 12 |



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