

magnetically operated switch contact block rectangular large: 25 x 88 mm, 2 NC, with M8 plug 4-pole, required solenoid 3SE6704-2BA or with increased operating distance 3SE6701-2BA accessory: coupling with connection cable 5 m 3SX5601-3GA05



| | |
|---|--|
| 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 |
| • cross-circuit/short-circuit recognition | No |
| type of voltage of the operating voltage | AC/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 |
| SVHC substance name | Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 |
| Weight | 0.027 kg |
| height of the sensor | 13 mm |
| length of the sensor | 88 mm |
| width of the sensor | 25 mm |
| material of the active sensor area | plastic |
| Ambient conditions | |
| ambient temperature during operation | -25 ... +70 °C |
| Control circuit/ Control | |
| type of voltage | AC/DC |
| operating voltage rated value | 60 V |
| operational current rated value | 400 mA |
| operating power rated value | 10 W |
| number of NC contacts for auxiliary contacts | 2 |
| number of NO contacts for auxiliary contacts | 0 |
| Enclosure | |
| design of the housing | block |
| material of the enclosure | plastic |
| Actuator | |
| design of the actuating element | magnet |
| Display | |
| evaluation unit required | yes |
| Contact | |
| circuit principle | reed switches |

| | |
|----------------------------------|------------|
| switching frequency | 5 Hz |
| assured operating distance OFF | 15 mm |
| assured operating distance ON | 5 mm |
| design of the switching function | NC contact |

Installation/ mounting/ dimensions

| | |
|------------------|--------------|
| fastening method | screw fixing |
|------------------|--------------|

Connections/ Terminals

| | |
|-------------------------------|----------------------|
| type of electrical connection | M8 connector, 4-pole |
|-------------------------------|----------------------|

Inputs/ Outputs

| | |
|--------------------------|---------------|
| type of switching output | Reed contacts |
|--------------------------|---------------|

Safety related data

| | |
|---|---|
| category according to EN 954-1 | 4 |
| ISO 13849 | |
| performance level (PL) according to EN ISO 13849-1 | e |
| IEC 61508 | |
| Safety Integrity Level (SIL) according to IEC 61508 | 3 |

Approvals Certificates

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



EG-Konf.



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RCM

[Miscellaneous](#)

| | |
|-------|-------------|
| other | Environment |
|-------|-------------|



[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=3SE6604-2BA01>

Cax online generator

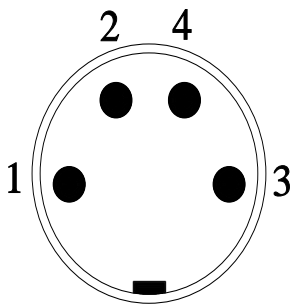
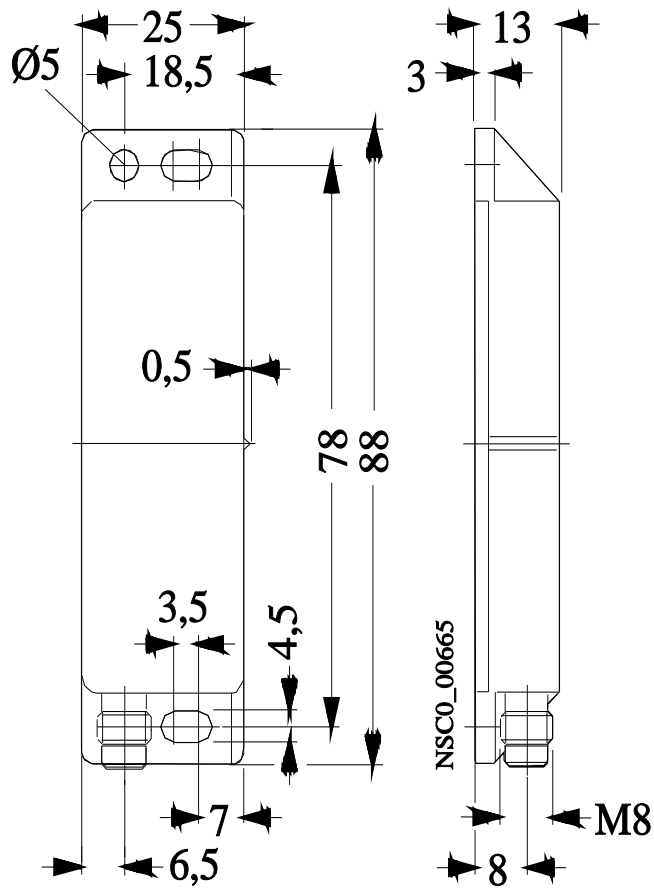
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6604-2BA01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE6604-2BA01>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6604-2BA01&lang=en



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

