

magnetically-operated switch, contact block, large, 25 x 88 mm, 2 NC connection cable 3 m LIYY 4 x 0.25 mm² required solenoid 3SE6704-2BA or with increased operating distance 3SE6701-2BA



| | |
|---|----------------------------------|
| 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 |
| 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 | 100 V |
| operational current rated value | 250 mA |
| operating power rated value | 3 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 |
| material of cable sheath | PVC |
| 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 |

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|---|---------------|
| 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 | cable |
| wire length | 3 m |
| Inputs/ Outputs | |
| type of switching output | Reed contacts |
| Safety related data | |
| Safety Integrity Level (SIL) according to IEC 61508 | 3 |
| performance level (PL) according to EN ISO 13849-1 | e |
| category according to EN 954-1 | 4 |
| Certificates/ approvals | |
| General Product Approval | EMV |



[Confirmation](#)



Functional Safety

other

[Miscellaneous](#)

[Confirmation](#)

Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

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

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=3SE6604-2BA>

Cax online generator

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

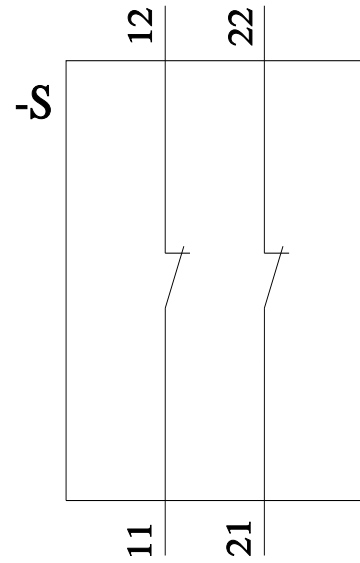
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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

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

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

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|-------------------|---|-----------|
| BK = Black | → | 11 |
| BU = Blue | → | 12 |
| WH = White | → | 21 |
| BN = Brown | → | 22 |



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