

Magnet switch Contact block 25 x 88 mm 2 NC+1 NO Connecting cable 3 m LIYY, 6 x 0.25 mm<sup>2</sup> Required solenoid 3SE6704-2BA



Figure similar

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	Yes
Type of voltage of the operating voltage	AC/DC
Protection class IP	IP67
Shock resistance	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 30g / 11 ms
Vibration resistance	
• acc. to IEC 60068-2-6	10 ... 55 Hz: 1 mm
Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	S

Type of voltage	AC/DC
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, glass-fiber reinforced thermoplastic
Mechanical installation condition for sensor	no flush installation possible
Operating voltage rated value	100 V
Operating 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	1
Number of CO contacts for auxiliary contacts	0

#### Enclosure

Design of the housing	block
Material of the enclosure	Plastic, glass-fiber reinforced thermoplastic
Material of cable sheath	PVC

#### Actuator

Design of the operating mechanism	magnet
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#### 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

#### Connections/Terminals

Type of electrical connection	cable
Wire length	3 m

#### Safety related data

Safety Integrity Level (SIL) acc. to IEC 61508	3
Performance level (PL) acc. to EN ISO 13849-1	e
Category acc. to EN 954-1	4

#### Ambient conditions

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

#### Inputs/ Outputs

Type of switching output	Reed contacts
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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	other
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[Miscellaneous](#)

[Confirmation](#)

## 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?mlfb=3SE6606-2BA04>

### Cax online generator

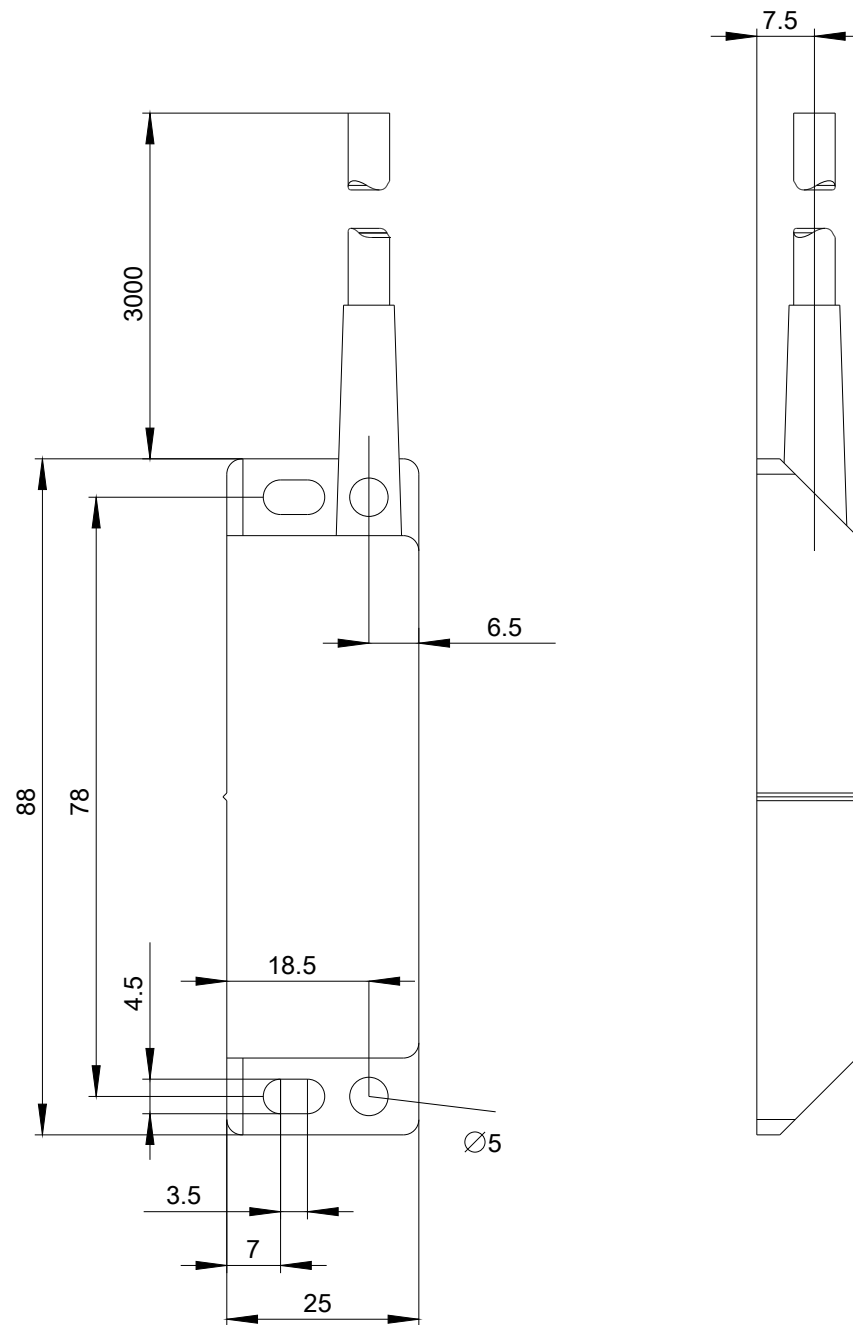
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6606-2BA04>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE6606-2BA04>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE6606-2BA04&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6606-2BA04&lang=en)



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