

Magnet switch Contact block 25 x 88 mm 2 NC Connecting cable 10 m LIYY 4 x 0.25 mm² Required solenoid 3SE6704-2BA



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	
• 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
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	0
Number of CO 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 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

Connections/Terminals

Type of electrical connection	cable
Wire length	10 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

Certificates/approvals

General Product Approval

Functional Safety/Safety of Machinery

other



[Type Examination Certificate](#)

[Miscellaneous](#)

[Confirmation](#)

[Miscellaneous](#)

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=3SE6604-2BA10>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6604-2BA10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE6604-2BA10>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6604-2BA10&lang=en

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