

Magnet switch Switching element, rectangular small 25 x 33 mm
Contact elements 1 NC/1 NO with 3 m cable



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	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	DC
Height of the sensor	13 mm

Length of the sensor	33 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	24 V
Operating current rated value	100 mA
Operating power rated value	1 W
Number of NC contacts	
• for auxiliary contacts	1
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
Material of cable sheath	PVC

Actuator	
Design of the operating mechanism	magnet

Contact	
Circuit principle	reed switches
Switching frequency	5 Hz
Safe operating distance OFF	14 mm
Safe operating distance ON	4 mm
Design of the switching function	NC contact and NO contact

Connections/Terminals	
Type of electrical connection	cable
(cable 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

Display	
Evaluation version required	yes

Installation/ mounting/ dimensions

- (mounting type)

screw fixing

Certificates/approvals

General Product Approval	Functional Safety/Safety of Machinery	other
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[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=3SE6605-3BA>

Cax online generator

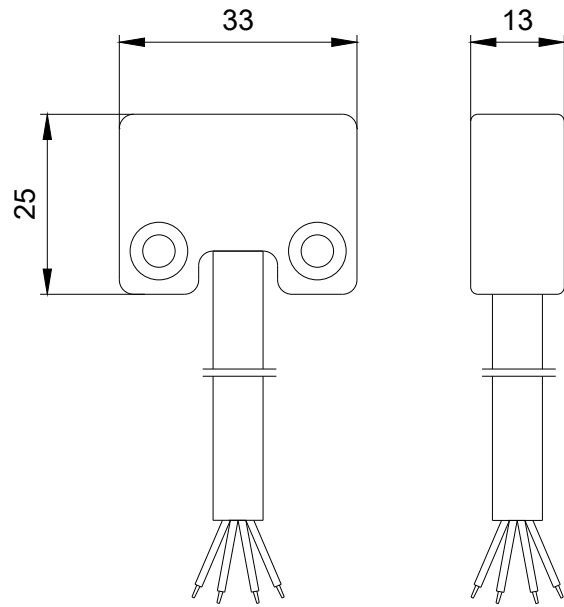
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6605-3BA>

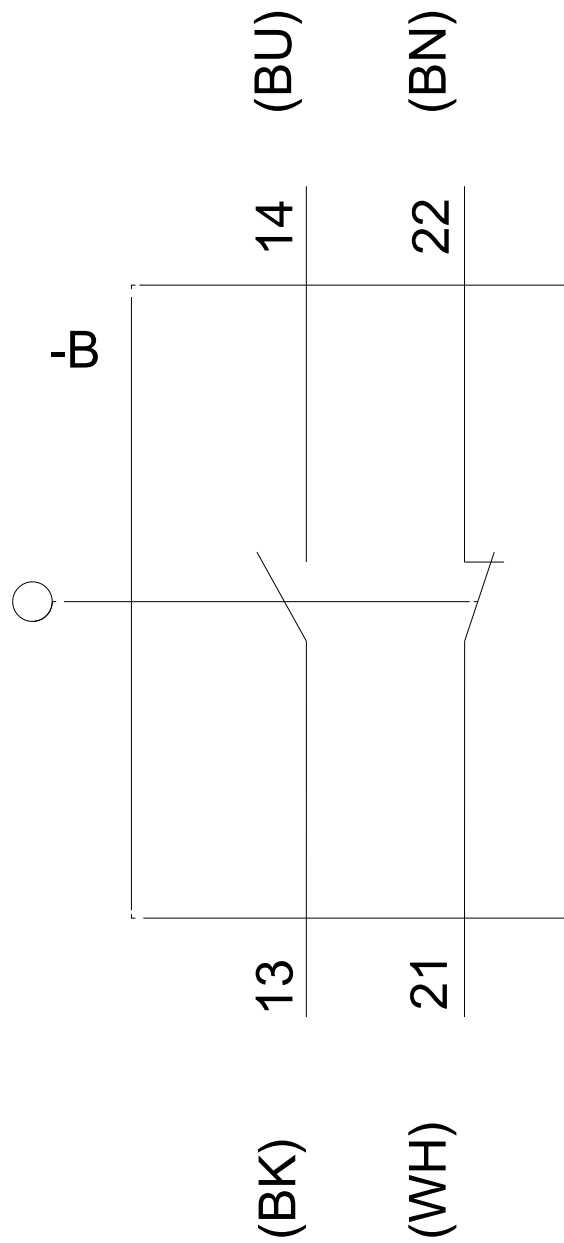
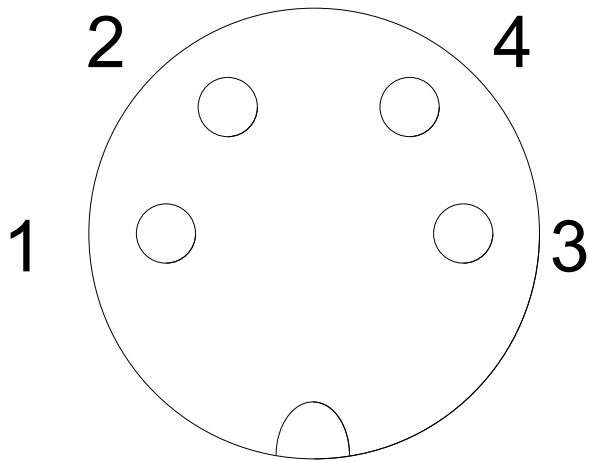
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SE6605-3BA>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6605-3BA&lang=en





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