



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

**product brand name**  
**product designation**  
**design of the product**  
**product type designation**  
**suitability for use safety-related circuits**

**SIRIUS**  
 Magnetically operated switch  
 Rectangular sensor unit  
**3SE66**  
 Yes

### General technical data

#### product function

- positive opening
- cross-circuit/short-circuit recognition

type of voltage of the operating voltage

No

protection class IP

Yes

shock resistance according to IEC 60068-2-27

DC

vibration resistance according to IEC 60068-2-6

IP67

reference code according to IEC 81346-2

Sinusoidal half-wave 30g / 11 ms

Substance Prohibitance (Date)

10 ... 55 Hz: 1 mm

height of the sensor

S

length of the sensor

07/01/2006

width of the sensor

13 mm

material of the active sensor area

33 mm

mechanical installation condition for sensor

25 mm

plastic

no flush installation possible

### Ambient conditions

ambient temperature during operation

-25 ... +70 °C

### Control circuit/ Control

type of voltage

DC

operating voltage rated value

24 V

operational 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

### 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	14 mm	
assured operating distance ON	4 mm	
design of the switching function	NC contact and NO contact	
<b>Installation/ mounting/ dimensions</b>		
fastening method	screw fixing	
<b>Connections/ Terminals</b>		
type of electrical connection	cable	
wire length	3 m	
<b>Inputs/ Outputs</b>		
type of switching output	Reed contacts	
<b>Safety related data</b>		
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	
<b>Certificates/ approvals</b>		
General Product Approval	EMC	Functional Safety/Safety of Machinery

[Confirmation](#)



[Miscellaneous](#)

[Declaration of Conformity](#)

other



[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=3SE6605-3BA>

Cax online generator

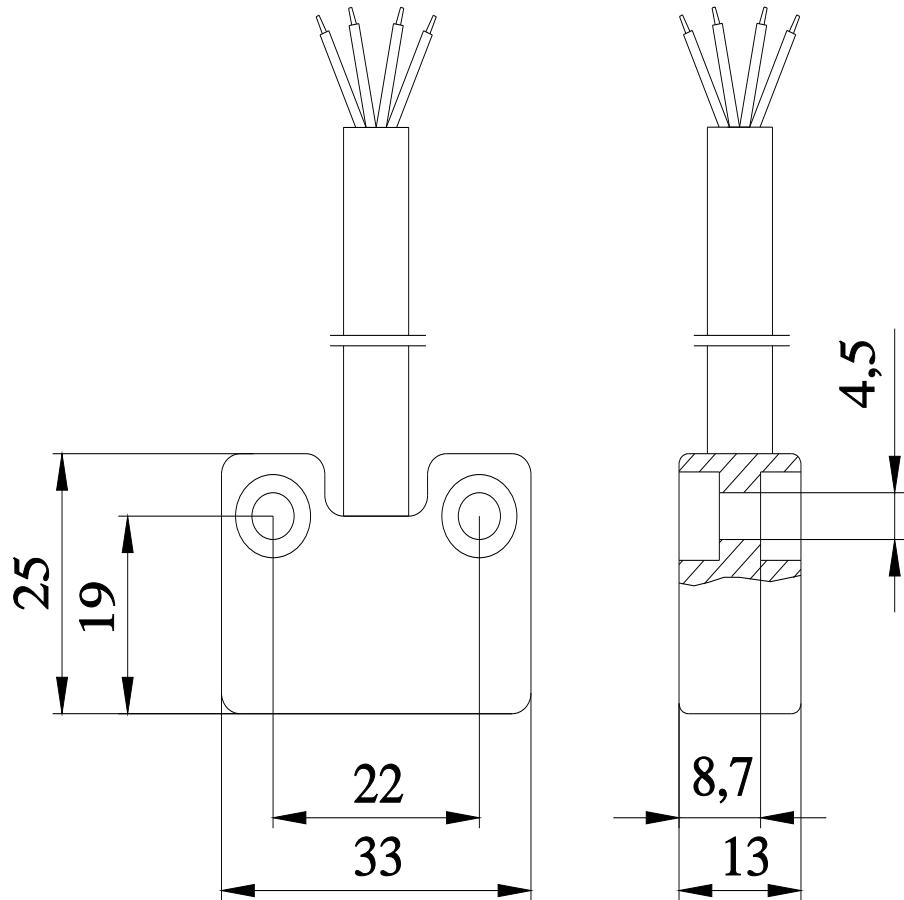
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6605-3BA>

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

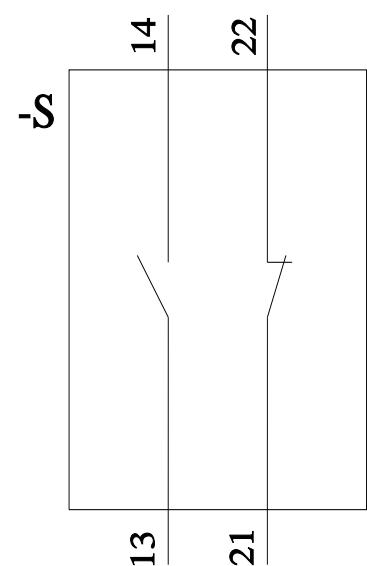
<https://support.industry.siemens.com/cs/ww/en/ps/3SE6605-3BA>

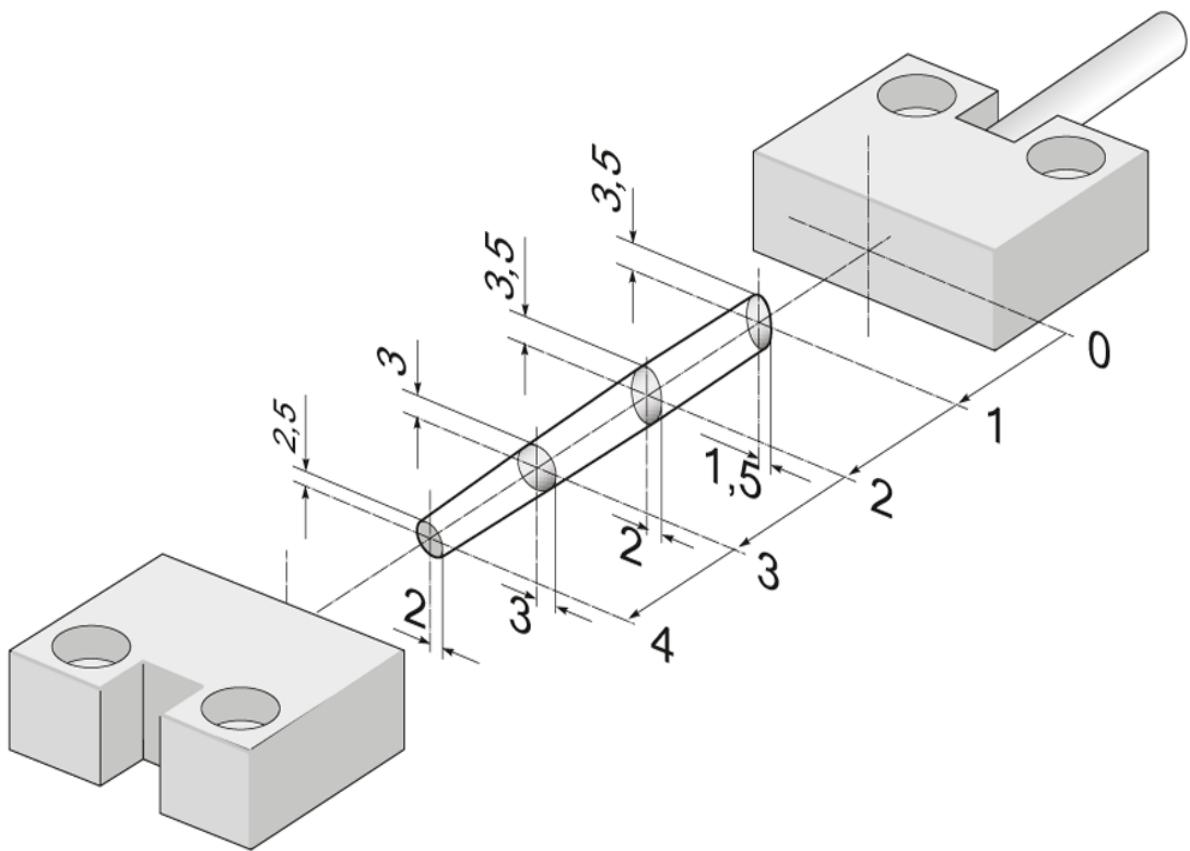
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE6605-3BA&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6605-3BA&lang=en)



<b>BK = Black</b>	→	13
<b>BU = Blue</b>	→	14
<b>WH = White</b>	→	21
<b>BN = Brown</b>	→	22





$$s_{ao} = 4 \text{ mm}$$

$$s_{ar} = 14 \text{ mm}$$

last modified:

10/6/2021