



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	No
<ul style="list-style-type: none"> positive opening cross-circuit/short-circuit recognition 	Yes
type of voltage of the operating voltage	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	33 mm
width of the sensor	25 mm
material of the active sensor area	plastic
mechanical installation condition for sensor	no flush installation possible

Ambient conditions

ambient temperature during operation	-25 ... +70 °C
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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
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Display

evaluation unit required	yes
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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
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	EMC
	Functional Safety/Safety of Machinery

[Confirmation](#)



[Miscellaneous](#)

Declaration of Conformity	other
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[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

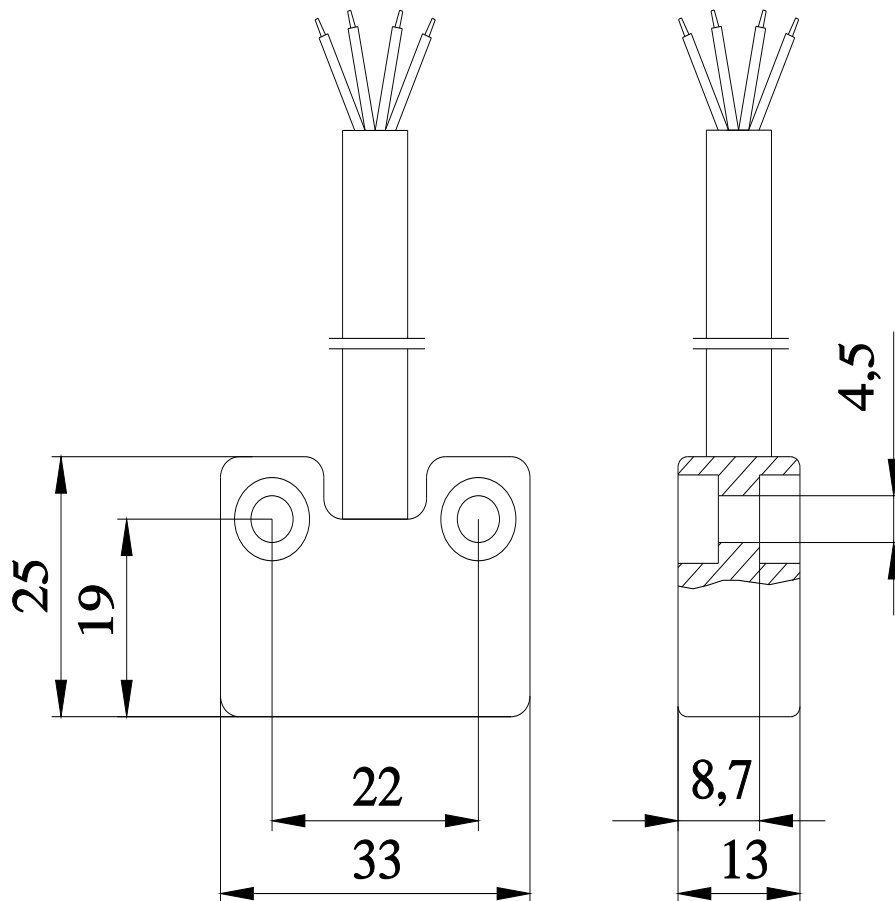
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6605-3BA>

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

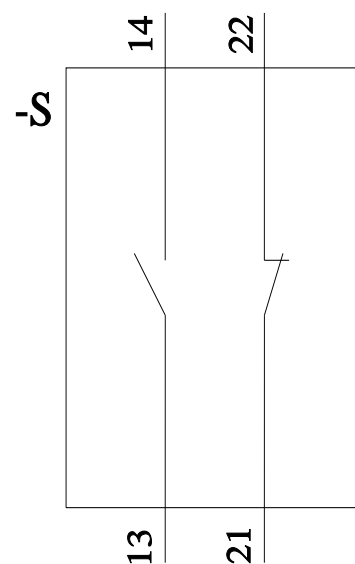
<https://support.industry.siemens.com/cs/ww/en/ps/3SE6605-3BA>

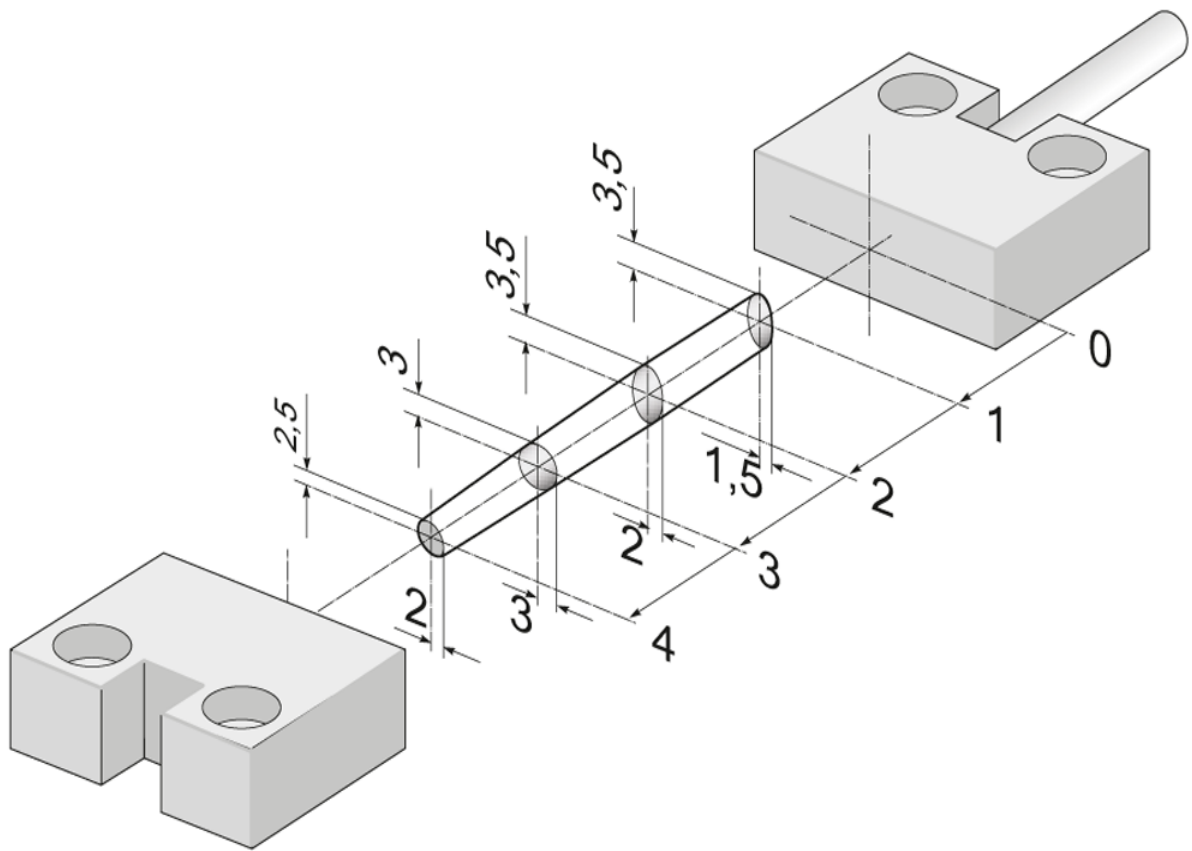
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

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



BK = Black	→	13
BU = Blue	→	14
WH = White	→	21
BN = Brown	→	22





$$s_{a0} = 4 \text{ mm}$$

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

last modified:

10/6/2021 