

magnetically operated switch contact block rectangular small 25 x 33 mm, 1 NO+2 NC, 1 m cable, 1 NC of which is signaling contact

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
• control function for downstream devices	No
• 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 30 g / 11 ms
vibration resistance according to IEC 60068-2-6	10 ... 55 Hz: 1 mm
Substance Prohibitance (day/month/year)	07/01/2006
Net Weight	0.089 kg
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
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	2
number of NC contacts safety-related	1
number of NO contacts for auxiliary contacts	1
number of NO contacts safety-related	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
number of switching contacts for signaling function	1
• safety-related	0
Installation/ mounting/ dimensions	
fastening method	screw fixing

Connections/ Terminals		
type of electrical connection	cable 1 m	
wire length	1 m	
Inputs/ Outputs		
number of semiconductor outputs		
• for signaling function	0	
• safety-related	0	
number of outputs as contact-affected switching element		
• as NC contact		
— for signaling function instantaneous contact	1	
— safety-related instantaneous contact	1	
• as NO contact safety-related instantaneous contact	1	
output current at safety-related output maximum	0.1 A	
type of switching output	Reed contacts	
Safety related data		
category according to EN 954-1	4	
proportion of dangerous failures		
• with high demand rate according to SN 31920	50 %	
B10 value with high demand rate according to SN 31920	12 500 000	
failure rate [FIT] with low demand rate according to SN 31920	100 FIT	
ISO 13849		
performance level (PL) according to EN ISO 13849-1	e	
IEC 61508		
Safety Integrity Level (SIL) according to IEC 61508	3	
T1 value for proof test interval or service life according to IEC 61508	20 a	
Approvals Certificates		
General Product Approval	EMV	Functional Safety
		
		Miscellaneous
other	Environment	
Confirmation	Confirmation	
		Environmental Confirmations

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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=3SE6606-3BA>

Cax online generator

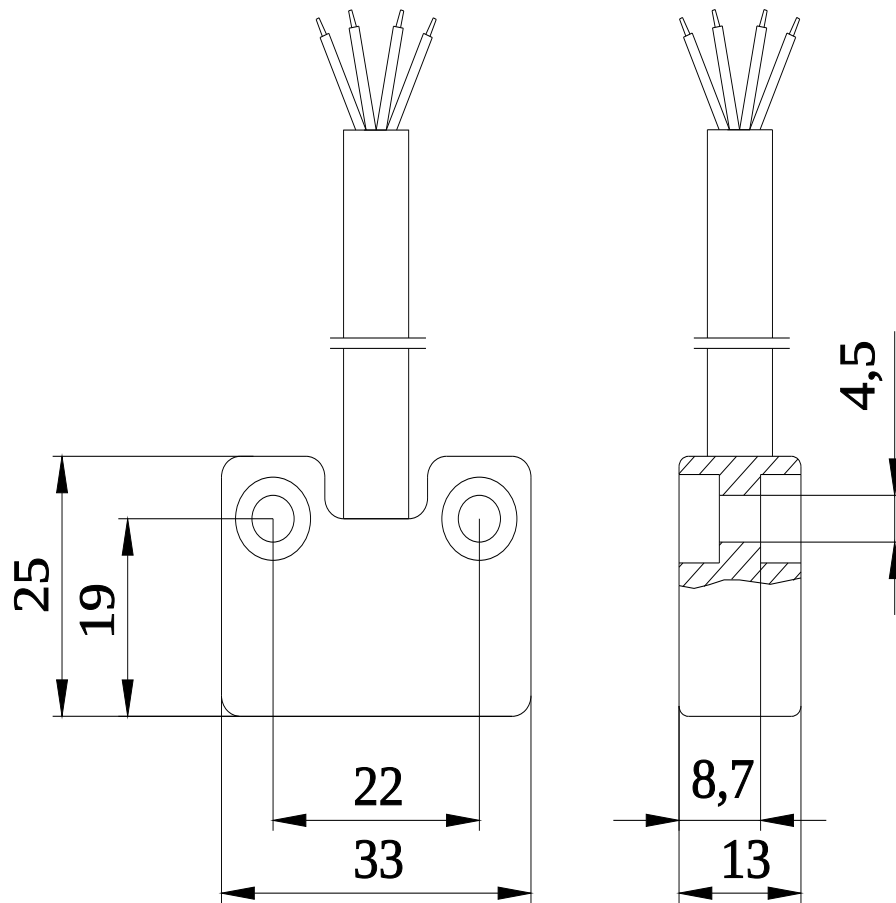
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6606-3BA>

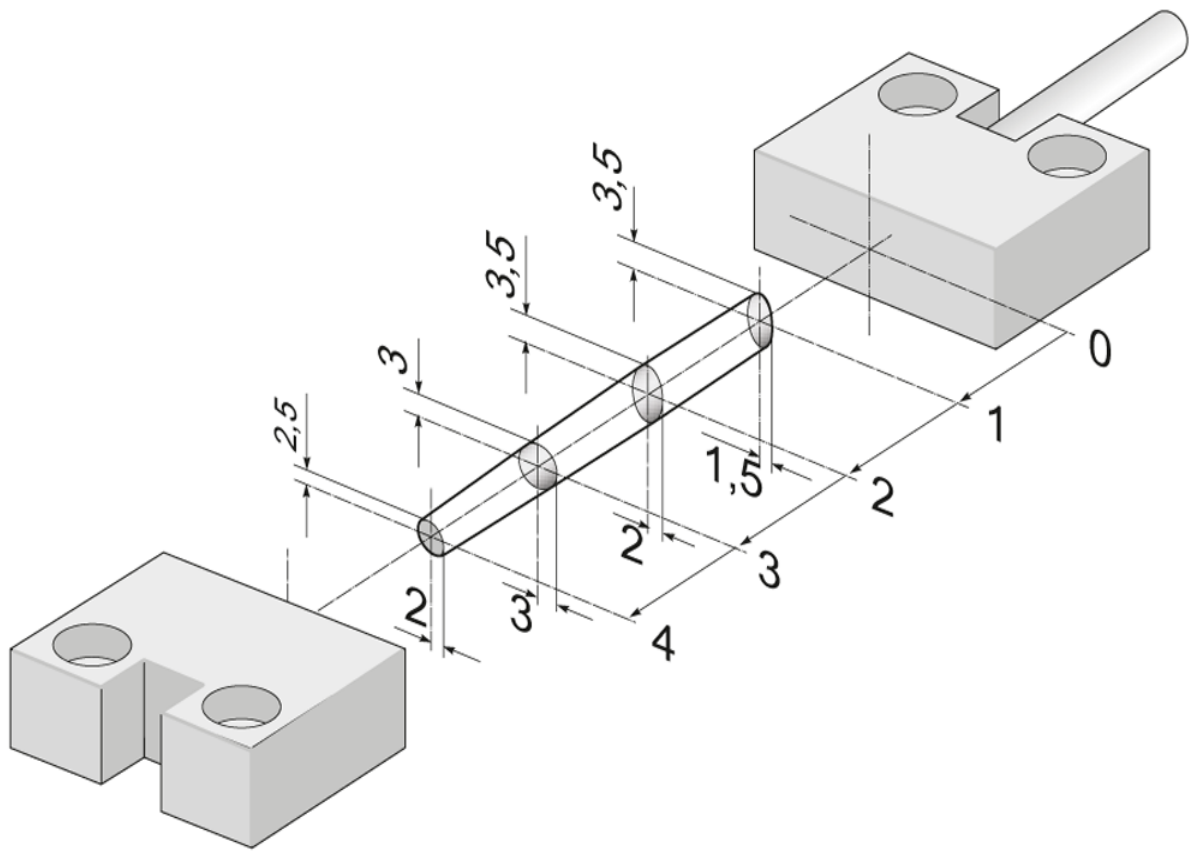
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6606-3BA&lang=en





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

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

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4/4/2026 