

magnetically-operated switch, contact block, rectangular large 25 x 88 mm, contacts 1 NC/1 NO, plug M8, pin assignment: Pin1=21, Pin2=22 Pin3=13, Pin4=14. required solenoid 3SE6704-2BA or with increased operating distance 8 mm 3SE6701-2BA.



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	Yes
type of voltage of the operating voltage	AC/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	88 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
Control circuit/ Control	
type of voltage	AC/DC
operating voltage rated value	60 V
operational current rated value	400 mA
operating power rated value	10 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
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	15 mm

assured operating distance ON design of the switching function	5 mm NC contact and NO contact	
Installation/ mounting/ dimensions		
fastening method	screw fixing	
Connections/ Terminals		
type of electrical connection	M8 connector, 4-pole	
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



[Confirmation](#)

Further information

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=3SE6605-2BA01>

Cax online generator

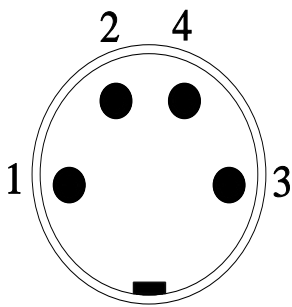
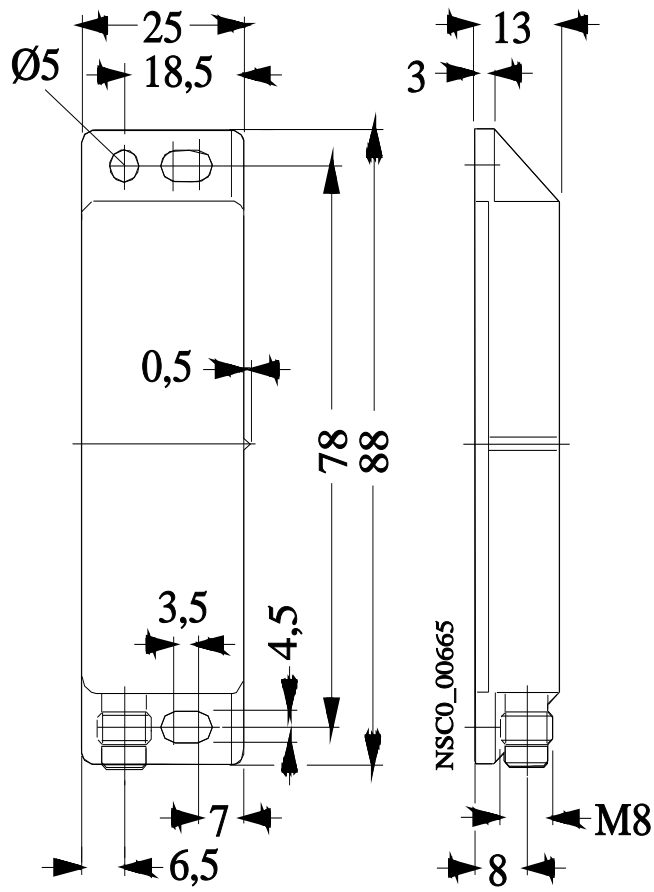
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6605-2BA01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE6605-2BA01>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6605-2BA01&lang=en



PIN 1	→	21
PIN 2	→	22
PIN 3	→	13
PIN 4	→	14

