

magnetically operated switch contact block rectangular large: 25 x 88 mm, 2 NC, with M8 plug 4-pole, required solenoid 3SE6704-2BA or with increased operating distance 3SE6701-2BA accessory: coupling with connection cable 5 m 3SX5601-3GA05



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	No
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
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8
Weight	0.027 kg
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
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	2
number of NO contacts for auxiliary contacts	0
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	5 mm		
design of the switching function	NC 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			
category according to EN 954-1	4		
ISO 13849			
performance level (PL) according to EN ISO 13849-1	e		
IEC 61508			
Safety Integrity Level (SIL) according to IEC 61508	3		
Approvals Certificates			
General Product Approval		EMV	Functional Safety



[Miscellaneous](#)

other	Environment
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[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=3SE6604-2BA01>

Cax online generator

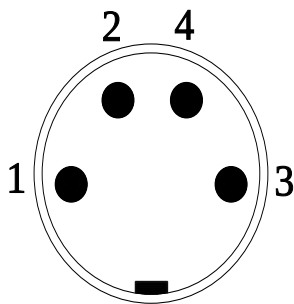
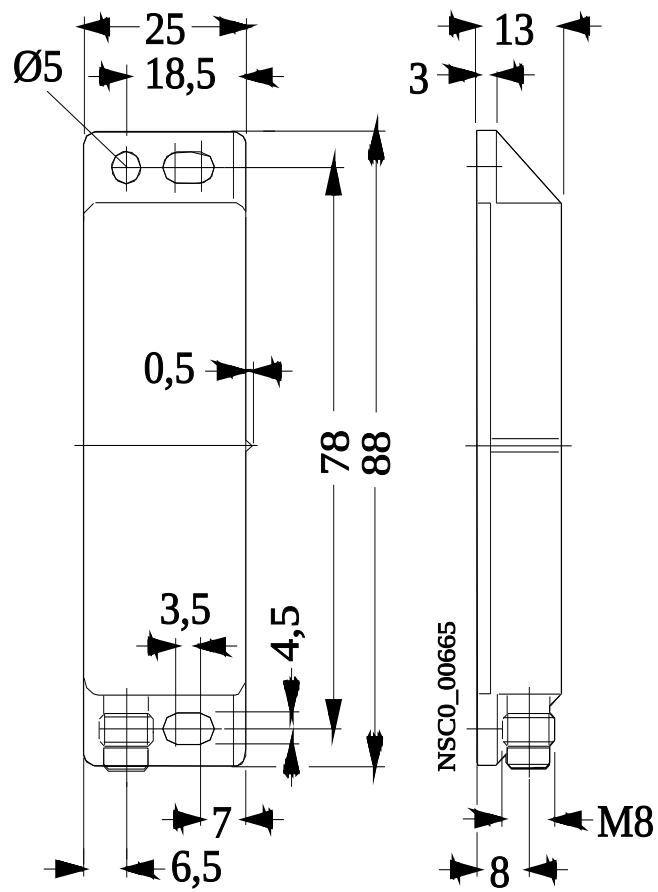
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6604-2BA01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE6604-2BA01>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6604-2BA01&lang=en



PIN 1	→	21
PIN 2	→	22
PIN 3	→	11
PIN 4	→	12

