



magnetically-operated switch contact block, rectangular small 26 x 36 mm, for door hinge on the right, contacts: safety contacts 2 NC signaling contact 1 NC (31-32), with 8 mm latching connection connector 6-pole, without LED the matching solenoid 3SE6714-3CA or offset by 90° 3SE6724-3CA

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 acc. to IEC 60068-2-27	Sinusoidal half-wave 30g / 11 ms
vibration resistance acc. to IEC 60068-2-6	10 ... 55 Hz: 1 mm
reference code acc. to IEC 81346-2	S
Substance Prohibitance (Date)	01.07.2006
type of voltage	DC
height of the sensor	36 mm
length of the sensor	13 mm
width of the sensor	26 mm
material of the active sensor area	Plastic, glass-fiber reinforced thermoplastic
mechanical installation condition for sensor	can be installed almost flush
operating voltage rated value	30 V
operational current rated value	400 mA
operating power rated value	10 W
number of NC contacts for auxiliary contacts	3
number of NC contacts safety-related	2
number of NO contacts for auxiliary contacts	0
number of NO contacts safety-related	0
Enclosure	
material of the enclosure	Plastic, glass-fiber reinforced thermoplastic
opening direction of the door	right
Actuator	
design of the actuating element	magnet
Contact	
switching frequency	5 Hz
assured operating distance OFF	15 mm
assured operating distance ON	5 mm
design of the switching function	NC contact

number of switching contacts for signaling function	1		
• safety-related	0		
Connections/ Terminals			
type of electrical connection	Latching connection 8 mm, 6-pole		
Safety related data			
B10 value with high demand rate acc. to SN 31920	12 500 000		
Safety Integrity Level (SIL) acc. to IEC 61508	3		
performance level (PL) acc. to EN ISO 13849-1	e		
proportion of dangerous failures			
• with low demand rate acc. to SN 31920	50 %		
• with high demand rate acc. to SN 31920	50 %		
T1 value for proof test interval or service life acc. to IEC 61508	20 y		
Ambient conditions			
ambient temperature during operation	-25 ... +70 °C		
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	2		
• as NO contact safety-related instantaneous contact	0		
Display			
evaluation unit required	yes		
Installation/ mounting/ dimensions			
fastening method	screw fixing		
Certificates/ approvals			
General Product Approval	EMC	Functional Safety/Safety of Machinery	Declaration of Conformity



[Miscellaneous](#)



Declaration of Conformity

other

[UK Declaration of Conformity](#)

[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=3SE6627-3CA01>

Cax online generator

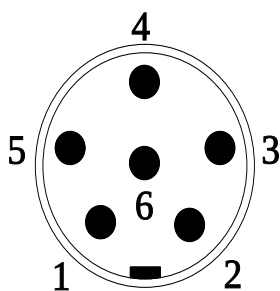
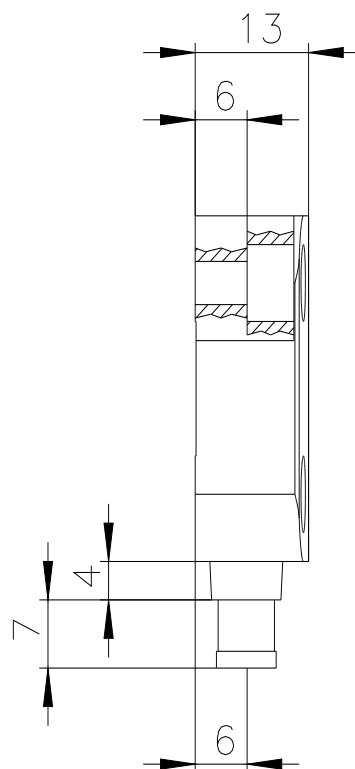
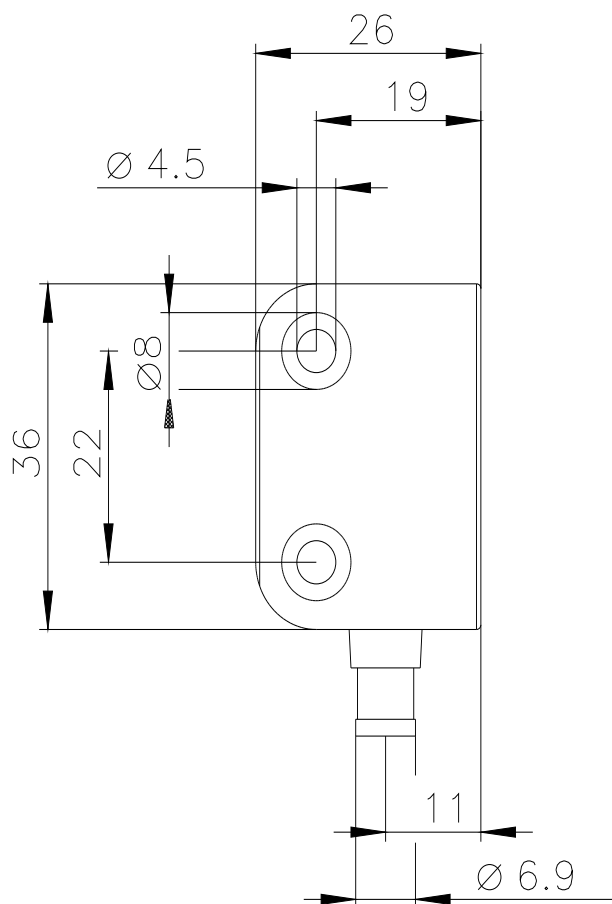
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6627-3CA01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE6627-3CA01>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6627-3CA01&lang=en



PIN 1	→	21
PIN 2	→	22
PIN 3	→	11
PIN 4	→	12
PIN 5	→	31
PIN 6	→	32

