



magnetically operated switch contact block rectangular small 26 x 36 mm, for left-hinged door, contacts: safety contacts 1 NO+1 NC, signaling contact 1 NC (31-32), with 8 mm latching connection plug 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 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
reference code according to IEC 81346-2	S
Substance Prohibitance (day/month/year)	07/01/2006
SVHC substance name	Lead CAS-No. 7439-92-1
Net Weight	0.029 kg
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
Ambient conditions	
ambient temperature during operation	-25 ... +70 °C
Control circuit/ Control	
type of voltage	DC
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	2
number of NC contacts safety-related	1
number of NO contacts for auxiliary contacts	1
number of NO contacts safety-related	0
Enclosure	
material of the enclosure	Plastic, glass-fiber reinforced thermoplastic
opening direction of the door	left
Actuator	
design of the actuating element	magnet
Display	

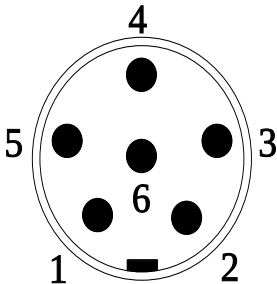
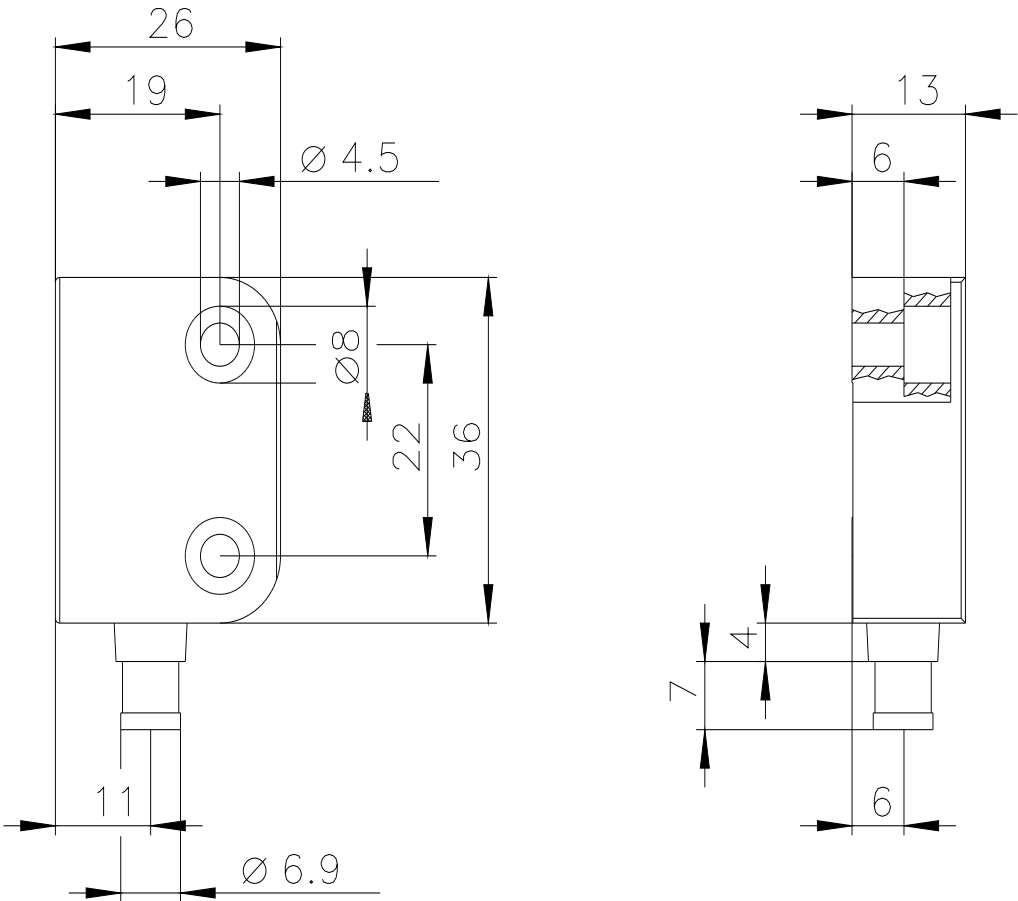
evaluation unit required	yes	
Contact		
switching frequency	5 Hz	
assured operating distance OFF	15 mm	
assured operating distance ON	5 mm	
design of the switching function	NC contact	
number of switching contacts for signaling function	1	
• safety-related	1	
Installation/ mounting/ dimensions		
fastening method	screw fixing	
Connections/ Terminals		
type of electrical connection	Latching connection 8 mm, 6-pole	
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	0	
Safety related data		
category according to EN 954-1	4	
proportion of dangerous failures		
• with low demand rate according to SN 31920	50 %	
• with high demand rate according to SN 31920	50 %	
B10 value with high demand rate according to SN 31920	12 500 000	
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=3SE6616-3CA01 Cax online generator https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6616-3CA01 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SE6616-3CA01 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)



PIN 1	→	21
PIN 2	→	22
PIN 3	→	13
PIN 4	→	14
PIN 5	→	31
PIN 6	→	32

