



magnetically operated switch contact block rectangular small 26 x 36 mm, for left-hinged door, contacts: safety contacts 2 NC, signaling contact 1 NC, with 3 m connection cable 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
Net Weight	0.211 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	75 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	left
material of cable sheath	PVC
Actuator	
design of the actuating element	magnet
Display	

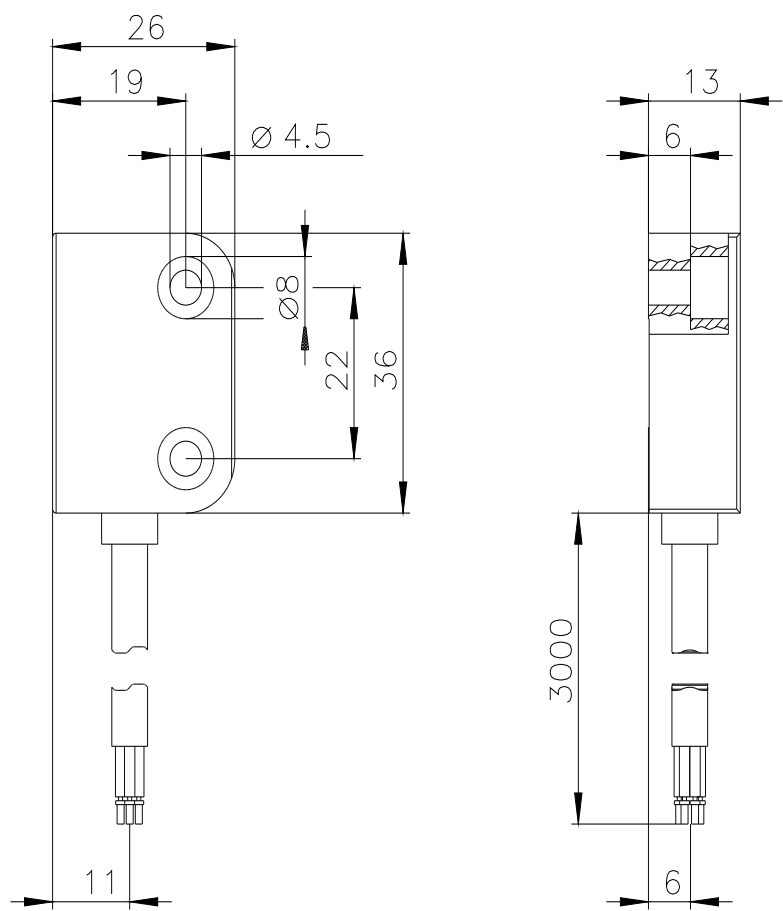
evaluation unit required	yes	
Contact		
switching frequency	5 Hz	
assured operating distance OFF	15 mm	
assured operating distance ON	5 mm	
design of the switching function	NC contact	
number of switching contacts for signaling function	1	
• safety-related	0	
Installation/ mounting/ dimensions		
fastening method	screw fixing	
Connections/ Terminals		
type of electrical connection	cable	
wire length	3 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	2	
• as NO contact safety-related instantaneous contact	0	
Safety related data		
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



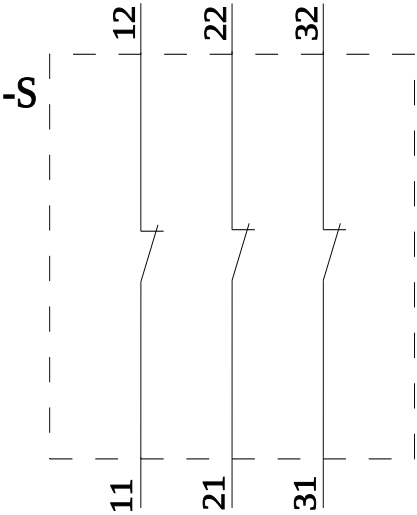
[Miscellaneous](#)

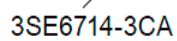
other	Environment
Confirmation	Confirmation
	Environmental Con- firmations

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=3SE6617-3CA04 Cax online generator https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6617-3CA04 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SE6617-3CA04 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)



GN = Green	→	21
YE = Yellow	→	22
GY = Grey	→	11
PK = Pink	→	12
WH = White	→	31
BN = Brown	→	32





3SE6724-3CA

Subject to change without notice
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