SIEMENS

Data sheet 3SE6627-3CA04

Magnet switch Switching element, rectangular small 26 x 36 mm, for door hinge on the right, Contact elements: Safety contacts 2 NC Signaling contact 1 NC with 3 m connecting cable without LED, the matching solenoid 3SE6714-3CA or offset by 90° 3SE6724-3CA

Figure similar

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 DIN 40719 extended according to IEC 204-2 acc. to IEC 750	S
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	75 V
Operating current rated value	400 mA
Operating power rated value	10 W
Number of NC contacts	
• **for auxiliary contacts**	3
• safety-related	2
Number of NO contacts	
• **for auxiliary contacts**	0
• safety-related	0

Enclosure

Material of the enclosure	Plastic, glass-fiber reinforced thermoplastic
Opening direction of the door	right
Material of cable sheath	PVC

Actuator

Design of the operating mechanism	magnet

Contact

Switching frequency	5 Hz
Safe operating distance OFF	15 mm
Safe 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	cable
Wire length	3 m

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
• during storage and transport	-25 ... +70 °C

Inputs/ Outputs

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
Number of semiconductor outputs	
• for signaling function	0
• safety-related	0

Display

Evaluation version required	yes

Installation/ mounting/ dimensions

Mounting type	screw fixing

Certificates/approvals

General Product Approval	Functional Safety/Safety of Machinery	other
	Miscellaneous	Confirmation

Further information

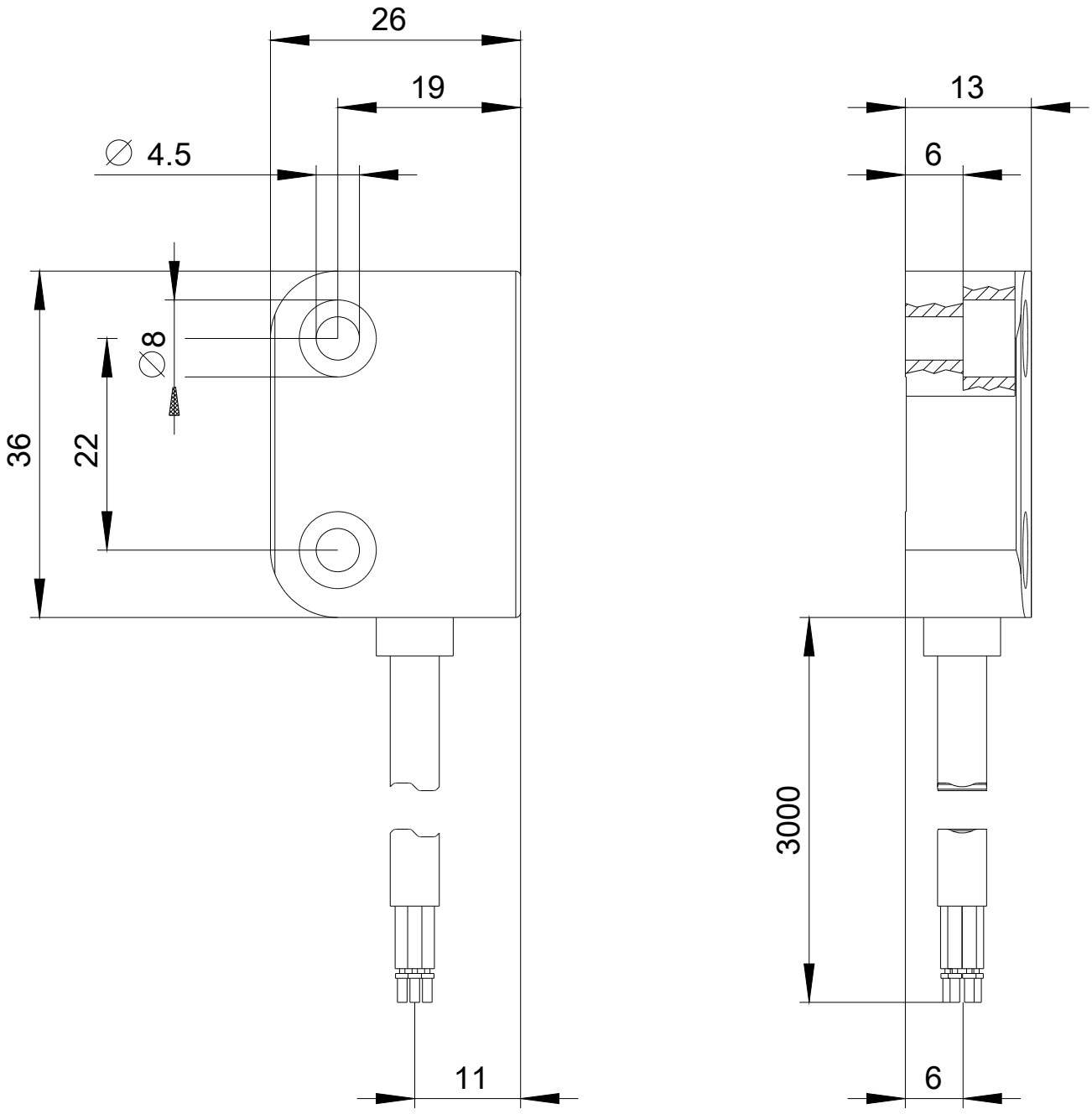
Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

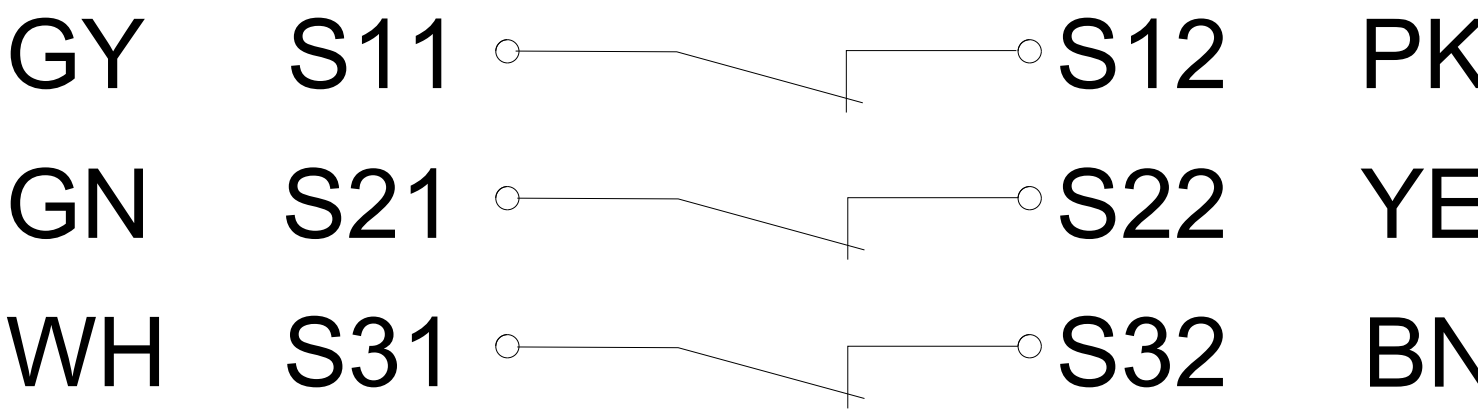
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE6627-3CA04

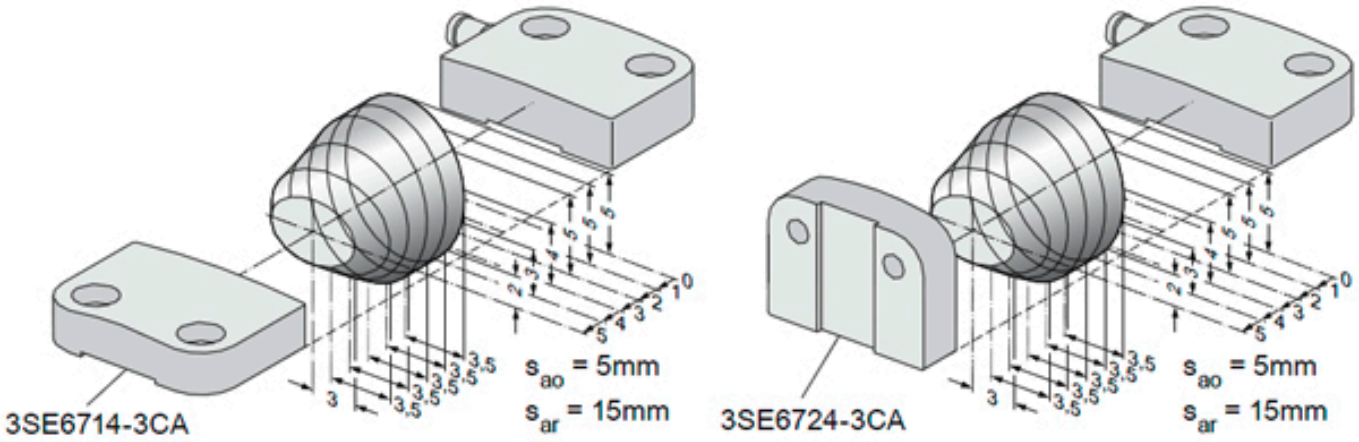
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6627-3CA04

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SE6627-3CA04

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6627-3CA04&lang=en







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