SIEMENS

Data sheet   **3SE6624-4CA01**

Magnet switch Contact block 25 x 88 mm, for door hinge on the right
Contact elements: Safety contacts 2 NC with M8 connector, 4-pole with
combi connection Screw/latching connection with LED, the matching
solenoid 3SE6714-2CA or offset by 90°: 3SE6724-2CA

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 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
height of the sensor	25 mm
length of the sensor	13 mm
width of the sensor	88 mm
material of the active sensor area	Plastic, glass-fiber reinforced thermoplastic
mechanical installation condition for sensor	can be installed almost flush

Ambient conditions

ambient temperature during operation	-25 ... +70 °C

Control circuit/ Control

type of voltage	DC
operating voltage rated value	24 V
operational current rated value	10 mA
operating power rated value	0.24 W
number of NC contacts for auxiliary contacts	2
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

Display

evaluation unit required	yes

Contact

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switching frequency	5 Hz
assured operating distance OFF	17 mm
assured operating distance ON	7 mm
design of the switching function	NC contact
number of switching contacts for signaling function	0
● safety-related	0

Installation/ mounting/ dimensions

fastening method	screw fixing

Connections/ Terminals

type of electrical connection	M8 connector, 4-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	
— safety-related instantaneous contact	2
● as NO contact safety-related instantaneous contact	0

Safety related data

B10 value with high demand rate according to SN 31920	12 500 000
Safety Integrity Level (SIL) according to IEC 61508	3
performance level (PL) according to EN ISO 13849-1	e
proportion of dangerous failures	
● with low demand rate according to SN 31920	50 %
● with high demand rate according to SN 31920	50 %
T1 value for proof test interval or service life according to IEC 61508	20 a
category according to EN 954-1	4

Certificates/ approvals

General Product Approval			**EMC**	**Functional Safety/Safety of Machinery**
Confirmation				Miscellaneous

Declaration of Conformity	**other**
	Confirmation

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3SE6624-4CA01
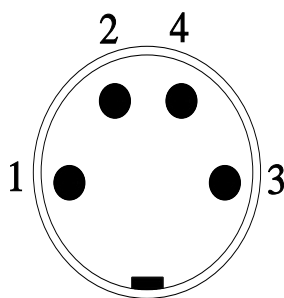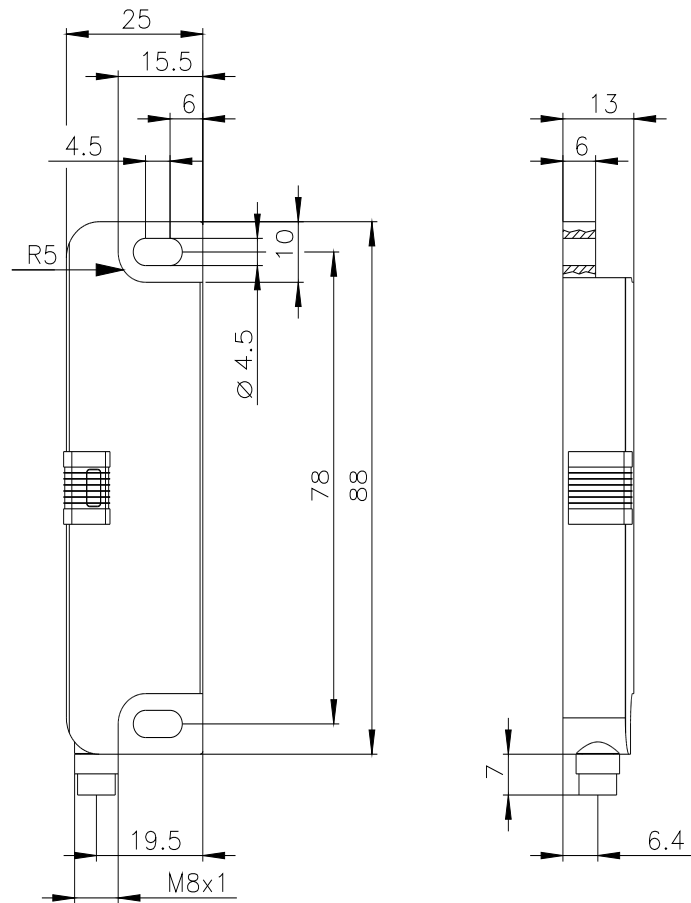
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6624-4CA01

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
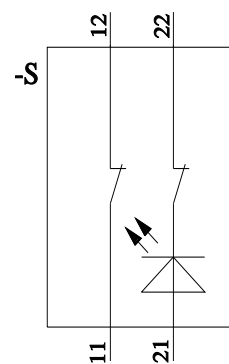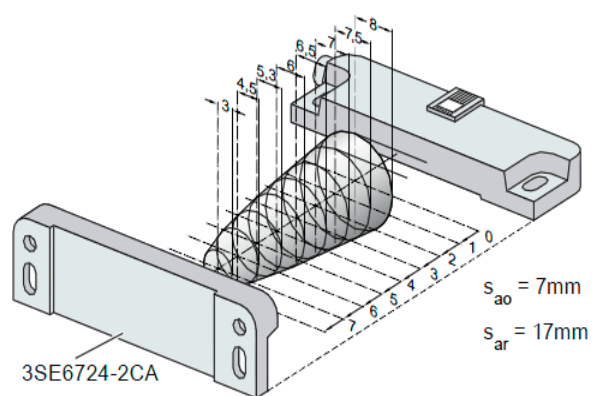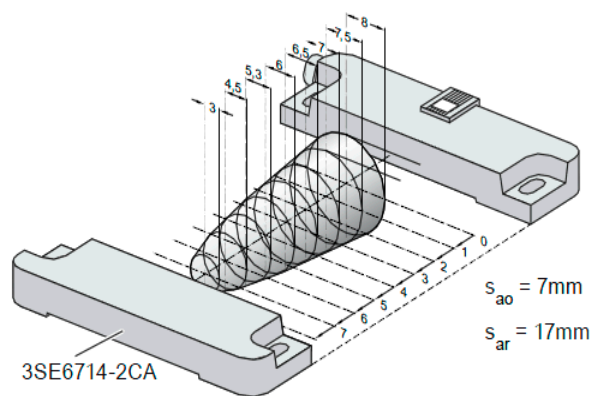https://support.industry.siemens.com/cs/ww/en/ps/3SE6624-4CA01

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6624-4CA01&lang=en

Dimensional Drawing

25
15.5
6
4.5
R5
∅ 4.5
10
78
88
19.5
M8x1

13
6
7
6.4

Pin Assignment

2   4

1   3

PIN 1	→	21(+)
PIN 2	→	22(-)
PIN 3	→	11
PIN 4	→	12

-S

12   22

11   21

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3SE6714-2CA

$s_{ao} = 7mm$

$s_{ar} = 17mm$

3SE6724-2CA

$s_{ao} = 7mm$

$s_{ar} = 17mm$

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