



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 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
Weight	0.217 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
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[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

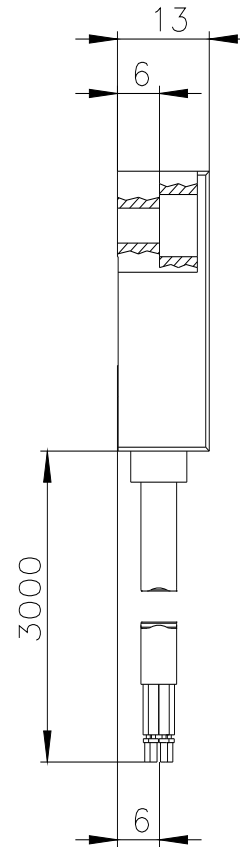
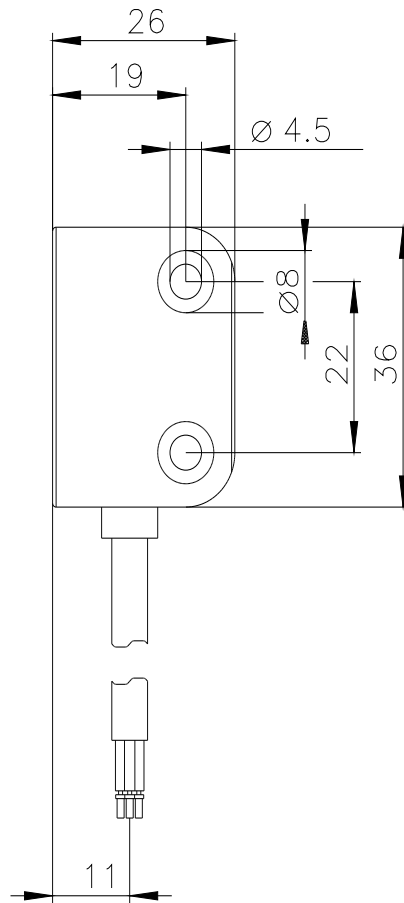
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6617-3CA04>

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, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6617-3CA04&lang=en



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

