## SIEMENS

## Data sheet

## 3SE6617-2CA01

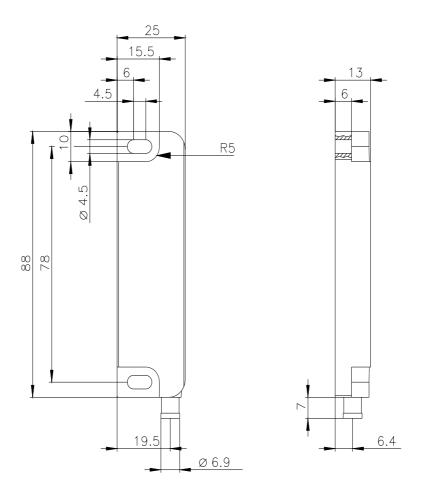


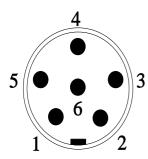
magnetically-operated switch contact block 25 x 88 mm for door hinge on the left contacts: safety contacts 2 NC, signaling contact 1 NC (31-32), with 8 mm latching connection connector 6-pole, without LED, the matching solenoid 3SE6714-2CA or offset by 90° 3SE6724-2CA

product brand name         SIRUS           product designation         Magnetically operated switch           design of the product         Rectangular sensor unit           product type designation         3SE66           suitability for use safely-related circuits         Yes           Cenaral technical data		
design of the product       Rectangular sensor unit         product type designation       35E66         suitability for use safety-related circuits       Yes         General technical data	product brand name	SIRIUS
product type designation         3SE66           suitability for use safety-related circuits         Yes           General technical data         Product function           • Lostitve opening         No           • coars-circuit/short-circuit recognition         Yes           type of voltage of the operating voltage         DC           protect function for downstream devices         No           • coase-circuit/short-circuit recognition         Yes           type of voltage of the operating voltage         DC           protection class IP         IP67           shock resistance according to IEC 60068-2-6         10 55 Hz: 1 mm           reference code according to IEC 60068-2-6         10 55 Hz: 1 mm           reference code according to IEC 60068-2-6         10 55 Hz: 1 mm           reference code according to IEC 60068-2-8         S           Substance Prohibitance (Date)         07/01/2006           height of the sensor         25 mm           iength of the sensor         38 mm           material of the active sensor area         Plastic, glass-fiber reinforced thermoplastic           method installation condition for sensor         can be installed almost flush           Anbient conditions         -           operating ower rated value         30 V	product designation	Magnetically operated switch
suitability for use safety-related circuits     Yes       Central technical data	design of the product	Rectangular sensor unit
General technical data     product function          • positive opening       • oritroit function for downstream devices       No       • cross-circut/short-circuit recognition       Yes        type of voltage of the operating voltage       protection class IP      DC       protection class IP        shock resistance according to IEC 60068-2:47      Sinusoidal half-wave 30g / 11 ms        vibration resistance according to IEC 60068-2:47      Sinusoidal half-wave 30g / 11 ms        vibration resistance according to IEC 60068-2:47      Sinusoidal half-wave 30g / 11 ms        vibration resistance according to IEC 60068-2:45      Substance Prohibitance (Date)        freference code according to IEC 60068-2:45      Substance Prohibitance (Date)        height of the sensor      25 mm        ilength of the sensor       at mm      88 mm        material of the active sensor area      Pisatic, glass-fiber reinforced thermoplastic        mechanical installation condition for sensor       can be installed almost flush      Ambient conditions        ambient temperature during operation       Zef+70 °C          control circuit/ Control        type of Voltage      DC        operating voltage rated value      400 mA        operating voltage rated value      10 W        number of NC contacts for auxiliary contacts      3        number of NC c	product type designation	3SE66
product function         No           • positive opening         No           • cross-circult/short-circuit recognition         Yes           lype 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 60068-2-26         10 55 Hz: 1 mm           reference code according to IEC 81346-2         S           Substance Prohibitance (Date)         07/10/12006           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 temperature during operation         -25 +70 °C           Control circuit/ Control         Upper of voltage           type of voltage         DC           operating outge rated value         30 V           operating outge rated value         30 V           operating over rated value         10 W           number of NC contacts for auxiliary contacts         3           number of NO contacts for aux	suitability for use safety-related circuits	Yes
• positive opening     No       • control function for downstream devices     No       • cross-circult/short-circult 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 nm       reference code according to IEC 60068-2-6     S       Substance Prohibitance (Date)     07/01/2006       height of the sensor     25 mm       length of the sensor     88 mm       material of the active sensor area     Plastic, glass-fiber reinforced thermoplastic       mechanical installation condition for sensor     Ca +70 °C       Control effective Control     C       type of voltage of NC contacts safety-related     30 V       operating voltage rated value     400 mA       operating power rated value     10 W       number of NC contacts for auxillary contacts     3       number of NC contacts safety-related     2       number of NC contacts safety-related     0       number of	General technical data	
• control function for downstream devices     No       • cross-circuit/short-circuit recognition     Yes       lype 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     88 mm       material of the active sensor area     Plastic, glass-fiber reinforced thermoplastic       methanical 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     30 V       operating voltage rated value     400 mA       operating ower rated value     10 W       number of NC contacts for auxillary contacts     3       number of NO contacts for auxillary contacts     0       number of NO contacts for auxillar	product function	
• cross-clrcuit/short-clrcuit 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 61346-2       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       -25 +70 °C         Control circuit/ Control	<ul> <li>positive opening</li> </ul>	No
type of voltage of the operating voltage         DC           protection class IP         IP67           shock resistance according to IEC 60068-2-67         Sinusoidal half-wave 30g / 11 ms           vibration resistance according to IEC 60068-2-6         10	<ul> <li>control function for downstream devices</li> </ul>	No
Image: Second	<ul> <li>cross-circuit/short-circuit recognition</li> </ul>	Yes
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 conditions       -         operating power rated value       30 V         operating power rated value       30 V         operating power rated value       10 WV         number of NC contacts for auxiliary contacts       3         number of NO contacts safety-related       2         number of NO contacts safety-related       0         Enclosure       Plastic, glass-fiber reinforced thermoplastic         opening direction of the door       left         Actuator       0         eveloaution auxiliary contacts       0         number of NO contacts safety-related       0         enclosure       Plastic	type of voltage of the operating voltage	DC
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       able installed almost flush         Ambient conditions       -25 +70 °C         Control circuit/ Control       -25 +70 °C         type of voltage       DC         operating power rated value       30 V         operating power rated value       30 V         operating power rated value       10 W         number of NC contacts for auxiliary contacts       3         number of NC contacts for auxiliary contacts       0         number of NO contacts for auxiliary contacts       0         enclosure       Plastic, glass-fiber reinforced thermoplastic         opening direction of the door       left         Actuator       design of the actuating element         magert       Plastic, glass-fiber reinforced thermoplastic         opening direction of the door       left	protection class IP	IP67
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       -25 +70 °C         Control circuit/ Control       -25 +70 °C         Vige of voltage       DC         operating voltage rated value       30 V         operating voltage rated value       10 W         number of NC contacts for auxiliary contacts       3         number of NO contacts for auxiliary contacts       0         number of NO contacts safety-related       2         number of NO contacts safety-related       0         Enclosure       Plastic, glass-fiber reinforced thermoplastic         opening direction of the door       left         Actuator       design of the actuating element         material of the enclosure       Plastic, glass-fiber reinforced thermoplastic         poing direction of the door       left         Actuator       design of the actuating element         mater	shock resistance according to IEC 60068-2-27	Sinusoidal half-wave 30g / 11 ms
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       -25 +70 °C         Control circuit/ Control       U         type of voltage       DC         operating voltage rated value       30 V         operating power rated value       10 W         number of NC contacts for auxiliary contacts       3         number of NC contacts for auxiliary contacts       0         number of NO contacts safety-related       0         Enclosure       Plastic, glass-fiber reinforced thermoplastic         opening direction of the door       left         Actuator       design of the actuating element         magent       Display	vibration resistance according to IEC 60068-2-6	10 55 Hz: 1 mm
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       30 V         operating power 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 safety-related       0         Fenclosure       Plastic, glass-fiber reinforced thermoplastic         opening direction of the door       left         Actuator       design of the actuating element         magnet       Display	reference code according to IEC 81346-2	S
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	Substance Prohibitance (Date)	07/01/2006
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     U       type of voltage     DC       operating voltage rated value     30 V       operating power 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 safety-related     0       Enclosure     Plastic, glass-fiber reinforced thermoplastic       operating direction of the door     left       Actuator     design of the actuating element       magnet     Display	height of the sensor	25 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       -25 +70 °C         type of voltage       DC         operating voltage rated value       30 V         operating power rated value       400 mA         operating power rated value       10 W         number of NC contacts for auxiliary contacts       3         number of NC contacts for auxiliary contacts       0         number of NO contacts for auxiliary contacts       0         enclosure       Plastic, glass-fiber reinforced thermoplastic         opening direction of the door       left         Actuator       magnet         design of the actuating element       magnet	length of the sensor	13 mm
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       30 V         operating power rated value       400 mA         operating power rated value       10 W         number of NC contacts for auxiliary contacts       3         number of NC contacts for auxiliary contacts       0         number of NO contacts safety-related       0         Enclosure       Plastic, glass-fiber reinforced thermoplastic         opening direction of the door       left         Actuator       magnet         design of the actuating element       magnet         Display       yes	width of the sensor	88 mm
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       3         number of NC contacts for auxiliary contacts       0         number of NO contacts safety-related       2         number of NO contacts safety-related       0         Enclosure       Plastic, glass-fiber reinforced thermoplastic         opening direction of the door       left         Actuator       magnet         Display       yes	material of the active sensor area	Plastic, glass-fiber reinforced thermoplastic
ambient temperature during operation       -25 +70 °C         Control circuit/ Control	mechanical installation condition for sensor	can be installed almost flush
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       3         number of NC contacts safety-related       2         number of NO contacts for auxiliary contacts       0         number of NO contacts safety-related       0         Enclosure       Plastic, glass-fiber reinforced thermoplastic         opening direction of the door       left         Actuator       design of the actuating element         Display       yes	Ambient conditions	
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       3         number of NC contacts for auxiliary contacts       3         number of NC contacts for auxiliary contacts       0         number of NO contacts for auxiliary contacts       0         number of NO contacts safety-related       0         number of NO contacts safety-related       0         number of NO contacts safety-related       0         precision       0         Plastic, glass-fiber reinforced thermoplastic       0         opening direction of the door       left         Actuator       magnet         Display       yes	ambient temperature during operation	-25 +70 °C
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       3         number of NC contacts for auxiliary contacts       3         number of NO contacts for auxiliary contacts       0         number of NO contacts for auxiliary contacts       0         number of NO contacts safety-related       0         number of NO contacts safety-related       0         number of NO contacts safety-related       0         function of the enclosure       Plastic, glass-fiber reinforced thermoplastic         opening direction of the door       left         Actuator       magnet         design of the actuating element       magnet         Display       yes	Control circuit/ Control	
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       Plastic, glass-fiber reinforced thermoplastic         opening direction of the door       left         Actuator       magnet         design of the actuating element       magnet         Display       yes	type of voltage	DC
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 for auxiliary contacts       0         number of NO contacts safety-related       0         enclosure       Plastic, glass-fiber reinforced thermoplastic         opening direction of the door       left         Actuator       Magnet         design of the actuating element       magnet         Display       yes	operating voltage rated value	30 V
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       Plastic, glass-fiber reinforced thermoplastic         opening direction of the door       left         Actuator       design of the actuating element         Display       yes	operational current rated value	400 mA
number of NC contacts safety-related       2         number of NO contacts for auxiliary contacts       0         number of NO contacts safety-related       0         Enclosure       Plastic, glass-fiber reinforced thermoplastic         opening direction of the door       left         Actuator       magnet         Display       yes	operating power rated value	10 W
number of NO contacts for auxiliary contacts       0         number of NO contacts safety-related       0         Enclosure       Plastic, glass-fiber reinforced thermoplastic         opening direction of the door       left         Actuator       design of the actuating element         Display       yes	number of NC contacts for auxiliary contacts	3
number of NO contacts safety-related       0         Enclosure       Plastic, glass-fiber reinforced thermoplastic         opening direction of the door       left         Actuator       design of the actuating element         Display       yes	number of NC contacts safety-related	2
Enclosure     Plastic, glass-fiber reinforced thermoplastic       opening direction of the door     left       Actuator     design of the actuating element       magnet     Display       evaluation unit required     yes	number of NO contacts for auxiliary contacts	0
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	number of NO contacts safety-related	0
opening direction of the door     left       Actuator     magnet       design of the actuating element     magnet       Display     yes	Enclosure	
Actuator     magnet       design of the actuating element     magnet       Display     ves	material of the enclosure	Plastic, glass-fiber reinforced thermoplastic
design of the actuating element     magnet       Display		left
Display       evaluation unit required       yes	Actuator	
evaluation unit required yes	design of the actuating element	magnet
	Display	
Contact	evaluation unit required	yes
	Contact	

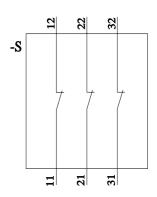
switching froquency	5 Hz		
switching frequency assured operating distance OFF	17 mm		
assured operating distance ON	17 mm 7 mm		
design of the switching function	NC contact		
number of switching contacts for signaling function	1		
safety-related	0		
nstallation/ mounting/ dimensions	Ŭ		
fastening method	screw fixing		
Connections/ Terminals	screw lixing		
type of electrical connection	Latching connection 8 mm, 6-		
nputs/ Outputs	Latering connection o min, o-	pole	
number of semiconductor outputs <ul> <li>for signaling function</li> </ul>	0		
	0		
safety-related	0		
number of outputs as contact-affected switching element • as NC contact			
	4		
— for signaling function instantaneous contact	1		
— safety-related instantaneous contact	2		
as NO contact safety-related instantaneous contact	0		
afety related data	40 500 000		
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	е		
proportion of dangerous failures			
<ul> <li>with low demand rate according to SN 31920</li> </ul>	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 Ma- chinery	Declaration of Con formity
Confirmation Que Confirmation Of Con-	RCM	<u>Miscellaneous</u>	CE EG-Konf.
formity			
Confirmation			
UK Confirmation			
CA			
urther information			
Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-d Siemens is working on the renewal of the current EAC certific Please contact your local Siemens office on the status of validity o EAC relevant market (other than the sanctioned EAEU member st Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875	<b>cates.</b> If the EAC certification if you inten	d to import or offer to supp	ly these products to a
Further information Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-d Siemens is working on the renewal of the current EAC certific Please contact your local Siemens office on the status of validity o EAC relevant market (other than the sanctioned EAEU member st 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)	e <b>ates.</b> of the EAC certification if you inten ates Russia or Belarus).	d to import or offer to supp	ly these products to a
Information and Downloadcenter (Catalogs, Brochures,)  https://www.siemens.com/cloadcenter (Catalogs, Brochures,)	e <b>ates.</b> of the EAC certification if you inten ates Russia or Belarus).	d to import or offer to supp	ly these products to a
Information and Downloadcenter (Catalogs, Brochures,)  https://www.siemens.com/cloadcenter (Catalogs, Brochures,)	eates. of the EAC certification if you inten ates Russia or Belarus). D=3SE6617-2CA01 ox?lang=en&mlfb=3SE6617-2CA0		ly these products to a

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3SE6617-2CA01&lang=en

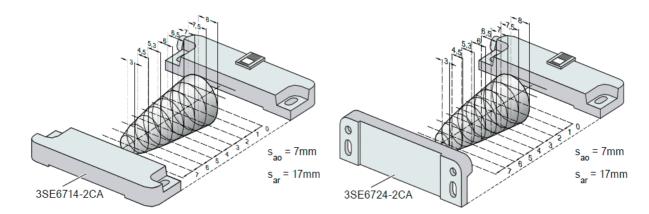




	_	
PIN 1	$\rightarrow$	21
PIN 2	$\rightarrow$	22
PIN 3	$\rightarrow$	11
PIN 4	$\rightarrow$	12
PIN 5	$\rightarrow$	31
PIN 6	$\rightarrow$	32



Subject to change without notice © Copyright Siemens



last modified:

10/6/2021 🖸

6/27/2023