



magnetically-operated switch, contact block, large, 25 x 88 mm, 2 NC  
connection cable 3 m LIYY 4 x 0.25 mm<sup>2</sup> required solenoid 3SE6704-2BA  
or with increased operating distance 3SE6701-2BA

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	No
• positive opening	No
• cross-circuit/short-circuit recognition	AC/DC
type of voltage of the operating voltage	IP67
protection class IP	Sinusoidal half-wave 30g / 11 ms
shock resistance according to IEC 60068-2-27	10 ... 55 Hz: 1 mm
vibration resistance according to IEC 60068-2-6	S
reference code according to IEC 81346-2	07/01/2006
Substance Prohibitance (Date)	13 mm
height of the sensor	88 mm
length of the sensor	25 mm
width of the sensor	plastic
material of the active sensor area	no flush installation possible
mechanical installation condition for sensor	

### Ambient conditions

ambient temperature during operation	-25 ... +70 °C
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### Control circuit/ Control

type of voltage	AC/DC
operating voltage rated value	100 V
operational current rated value	250 mA
operating power rated value	3 W
number of NC contacts for auxiliary contacts	2
number of NO contacts for auxiliary contacts	0

### Enclosure

design of the housing	block
material of the enclosure	plastic
material of cable sheath	PVC

### Actuator

design of the actuating element	magnet
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### Display

evaluation unit required	yes
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### Contact

circuit principle	reed switches
switching frequency	5 Hz

assured operating distance OFF	15 mm
assured operating distance ON	5 mm
design of the switching function	NC contact
<b>Installation/ mounting/ dimensions</b>	
fastening method	screw fixing
<b>Connections/ Terminals</b>	
type of electrical connection	cable
wire length	3 m
<b>Inputs/ Outputs</b>	
type of switching output	Reed contacts
<b>Safety related data</b>	
Safety Integrity Level (SIL) according to IEC 61508	3
performance level (PL) according to EN ISO 13849-1	e
category according to EN 954-1	4
<b>Certificates/ approvals</b>	
General Product Approval	EMC
	Functional Safety/Safety of Machinery

[Confirmation](#)



[Miscellaneous](#)

Declaration of Conformity	other
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[Confirmation](#)

#### Further information

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=3SE6604-2BA>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6604-2BA>

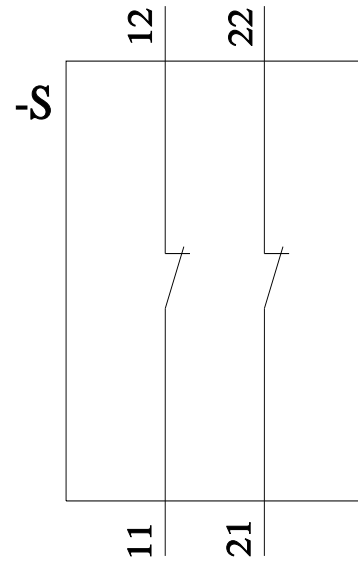
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SE6604-2BA>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE6604-2BA&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6604-2BA&lang=en)

<b>BK = Black</b>	→	<b>11</b>
<b>BU = Blue</b>	→	<b>12</b>
<b>WH = White</b>	→	<b>21</b>
<b>BN = Brown</b>	→	<b>22</b>



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