

magnetically-operated switch, contact block, rectangular large 25 x 88 mm, contacts 1 NC/1 NO, with 3 m cable. required solenoid 3SE6704-2BA or with increased operating distance 8 mm 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
<b>General technical data</b>	
product function	
• positive opening	No
• cross-circuit/short-circuit recognition	Yes
type of voltage of the operating voltage	AC/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 IEC 81346-2	S
Substance Prohibitance (Date)	01.07.2006
type of voltage	AC/DC
height of the sensor	13 mm
length of the sensor	88 mm
width of the sensor	25 mm
material of the active sensor area	plastic
mechanical installation condition for sensor	no flush installation possible
operating voltage rated value	100 V
operational current rated value	400 mA
operating power rated value	10 W
number of NC contacts for auxiliary contacts	1
number of NO contacts for auxiliary contacts	1
<b>Enclosure</b>	
design of the housing	block
material of the enclosure	plastic
material of cable sheath	PVC
<b>Actuator</b>	
design of the actuating element	magnet
<b>Contact</b>	
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 and NO contact
<b>Connections/ Terminals</b>	

type of electrical connection	cable		
wire length	3 m		
Safety related data			
Safety Integrity Level (SIL) acc. to IEC 61508	3		
performance level (PL) acc. to EN ISO 13849-1	e		
category acc. to EN 954-1	4		
Ambient conditions			
ambient temperature during operation	-25 ... +70 °C		
Inputs/ Outputs			
type of switching output	Reed contacts		
Display			
evaluation unit required	yes		
Installation/ mounting/ dimensions			
fastening method	screw fixing		
Certificates/ approvals			
General Product Approval	EMC	Functional Safety/Safety of Machinery	Declaration of Conformity



[Miscellaneous](#)

[UK Declaration of Conformity](#)

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=3SE6605-2BA>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6605-2BA>

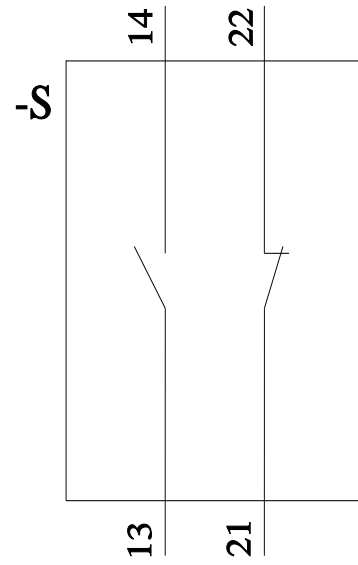
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SE6605-2BA>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE6605-2BA&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6605-2BA&lang=en)

<b>BK = Black</b>	→	<b>13</b>
<b>BU = Blue</b>	→	<b>14</b>
<b>WH = White</b>	→	<b>21</b>
<b>BN = Brown</b>	→	<b>22</b>



last modified:

10/6/2021 