

magnetically operated switch contact block rectangular large 25 x 88 mm, contact elements 1 NO+1 NC, 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 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
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8
Weight	0.162 kg
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
<b>Ambient conditions</b>	
ambient temperature during operation	-25 ... +70 °C
<b>Control circuit/ Control</b>	
type of voltage	AC/DC
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>Display</b>	
evaluation unit required	yes
<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

#### Installation/ mounting/ dimensions

fastening method	screw fixing
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#### Connections/ Terminals

type of electrical connection	cable
wire length	3 m

#### Inputs/ Outputs

type of switching output	Reed contacts
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#### Safety related data

category according to EN 954-1	4
ISO 13849	
performance level (PL) according to EN ISO 13849-1	e
IEC 61508	
Safety Integrity Level (SIL) according to IEC 61508	3

#### Approvals Certificates

General Product Approval	EMV	Functional Safety
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[Miscellaneous](#)

#### other Environment



[Confirmation](#)

[Environmental Confirmations](#)

#### 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=3SE6605-2BA>

Cax online generator

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

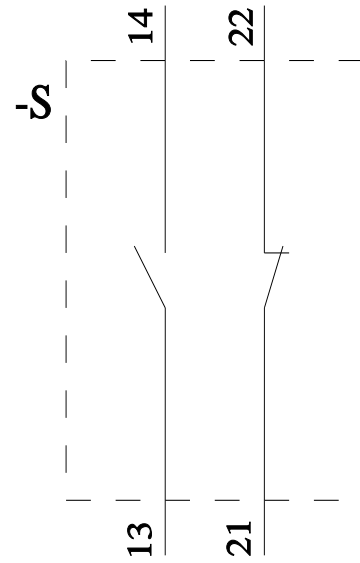
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<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>



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