



magnetically-operated switch contact block, round M30 contacts 1 NC/1 NO with 3 m cable. Required solenoid 3SE6704-1BA

product brand name	SIRIUS
product designation	Magnetically operated switch
design of the product	Round 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	No
product feature	M30
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	Bleimonoxid (Bleioxid) - 1317-36-8
length of the sensor	44 mm
diameter of the sensor	30 mm
<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	cylinder, thread
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
<b>Installation/ mounting/ dimensions</b>	
fastening method	screw fixing
<b>Connections/ Terminals</b>	
type of electrical connection	cable
wire length	3 m
<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	EMV



[Confirmation](#)



Functional Safety

other

[Miscellaneous](#)

[Confirmation](#)

#### Further information

**Siemens has decided to exit the Russian market (see here).**

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

**Siemens is working on the renewal of the current EAC certificates.**

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

**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)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE6605-1BA>

**Cax online generator**

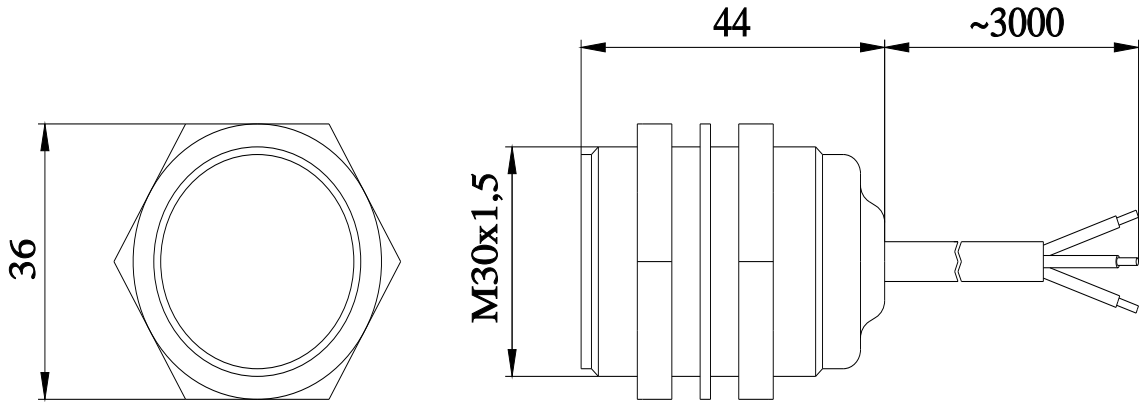
<http://support.automation.siemens.com/WWW/CAXorder/default.aspx?lang=en&mlfb=3SE6605-1BA>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE6605-1BA>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SE6605-1BA&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6605-1BA&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>

