



magnetically operated switch contact block round M30 contact elements 1 NO+1 NC 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
General technical data	
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 30 g / 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 (day/month/year)	07/01/2006
SVHC substance name	Lead CAS-No. 7439-92-1
Net Weight	0.175 kg
length of the sensor	44 mm
diameter of the sensor	30 mm
Ambient conditions	
ambient temperature during operation	-25 ... +70 °C
Control circuit/ Control	
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
Enclosure	
design of the housing	cylinder, thread
material of the enclosure	plastic
material of cable sheath	PVC
Actuator	
design of the actuating element	magnet
Display	
evaluation unit required	yes
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 and NO contact		
Installation/ mounting/ dimensions			
fastening method	screw fixing		
Connections/ Terminals			
type of electrical connection	cable		
wire length	3 m		
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



[Miscellaneous](#)

other	Environment
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[Confirmation](#)

[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=3SE6605-1BA>

Cax online generator

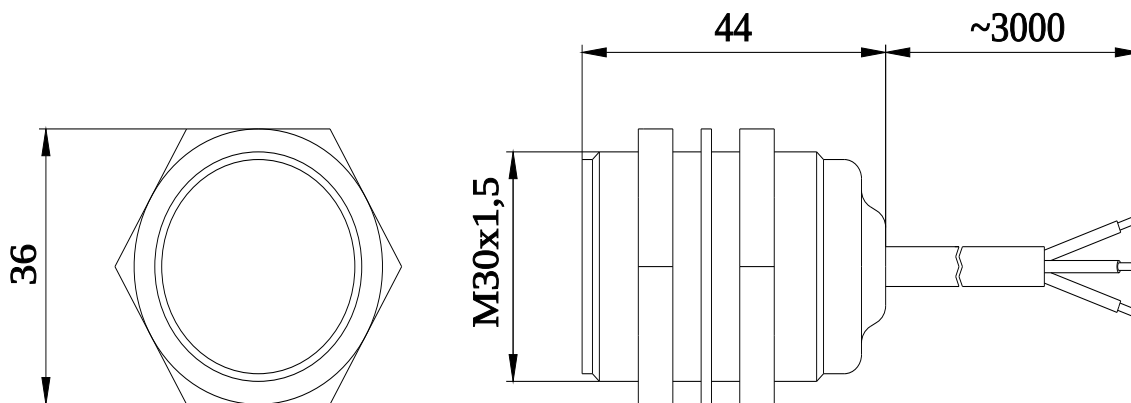
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6605-1BA>

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, ...)

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6605-1BA&lang=en



BK = Black	→	13
BU = Blue	→	14
WH = White	→	21
BN = Brown	→	22

