



magnetically operated switch contact block round M30 contact elements 1 NO+1 NC with M12 plug 4-pole Pin1=21, Pin2=22 Pin3=13, Pin4=14, required solenoid 3SE6704-1BA coupling with connection cable 5 m 3SX5601-3SB54

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	Yes
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	0.032 kg
length of the sensor	48 mm
diameter of the sensor	30 mm
material of the active sensor area	plastic
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
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	M8 connector, 4-pole
-------------------------------	----------------------

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
-------	-------------

[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=3SE6605-1BA02>

Cax online generator

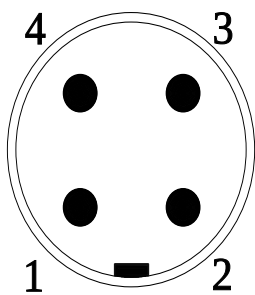
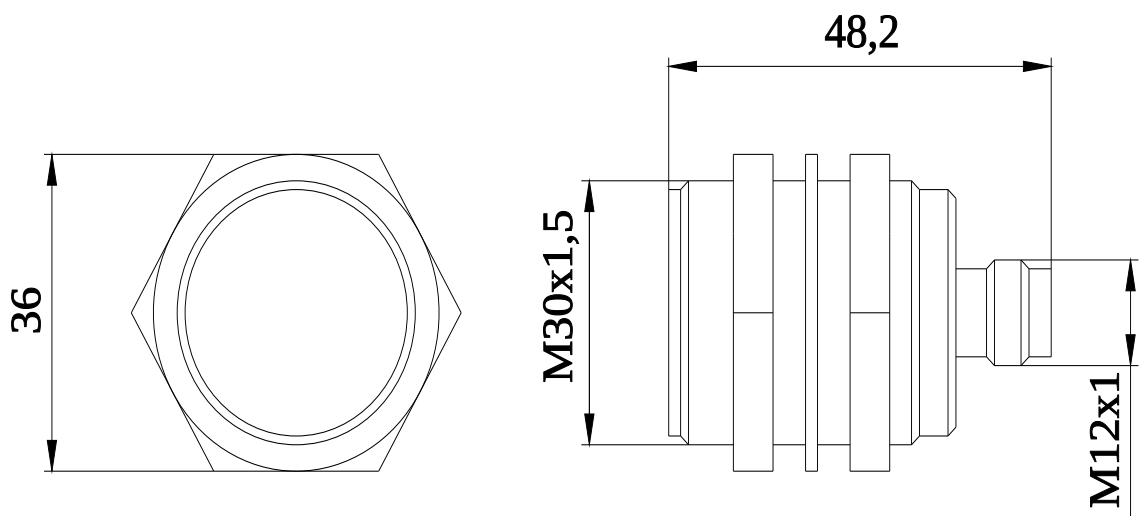
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6605-1BA02>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE6605-1BA02>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6605-1BA02&lang=en



PIN 1	→	21
PIN 2	→	22
PIN 3	→	13
PIN 4	→	14

