

MAGNETICALLY-OPERATED SWITCH SWITCHING ELEMENT
 25X88MM, 2 NC CONN.CABLE 10M LIYY 4X0,25SQMM
 (SWITCHING MAGNET REQUIRED: 3SE6704-2BA)



product brandname	SIRIUS
Design of the product	rectangular sensor unit
Suitability for use safety-related circuits	Yes

General technical data

Product function	
<ul style="list-style-type: none"> • positive opening • cross-circuit/short-circuit recognition 	No No
Type of voltage of the operating voltage	AC/DC
Protection class IP	IP67
Vibration resistance	
<ul style="list-style-type: none"> • acc. to IEC 60068-2-6 	10 ... 55 Hz: 1 mm
Equipment marking	
<ul style="list-style-type: none"> • acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 • acc. to DIN EN 61346-2 • acc. to DIN EN 81346-2 	S S S
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
Operating current rated value	250 mA
Operating power rated value	3 W
Number of NC contacts	
• for auxiliary contacts	2
Number of NO contacts	
• for auxiliary contacts	0
Number of CO contacts for auxiliary contacts	0

Enclosure	
Design of the housing	block
Material of the enclosure	plastic
Material of cable sheath	PVC

Actuator	
Design of the operating mechanism	magnet

Contact	
Circuit principle	reed switches
Switching frequency	5 Hz
Safe operating distance OFF	15 mm
Safe operating distance ON	5 mm
Design of the switching function	NC contact

Connections/Terminals	
Type of electrical connection	cable 10 m

Safety related data	
Safety Integrity Level (SIL) acc. to IEC 61508	SIL3
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
• during storage and transport	-25 ... +70 °C

Inputs/ Outputs	
Type of switching output	Reed contacts

Display	
Evaluation version required	yes

Installation/ mounting/ dimensions	
Mounting type	screw fixing

Certificates/approvals

General Product Approval	Functional Safety/Safety of Machinery	other
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Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SE6604-2BA10>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6604-2BA10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE6604-2BA10>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6604-2BA10&lang=en

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