

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



Product designation	magnetically operated switch, switch block
Design of the product	rectangular sensor unit
Suitability for use safety-related circuits	Yes

General technical data

Product function • positive opening • cross-circuit/short-circuit recognition	No No
Type of voltage of the operating voltage	AC/DC
Protection class IP	IP67
Shock resistance • acc. to IEC 60068-2-27	Sinusoidal half-wave 30g / 11 ms
Vibration resistance • acc. to IEC 60068-2-6	10 ... 55 Hz: 1 mm
Equipment marking • 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
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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
Wire length	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
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Display

Evaluation version required	yes
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Installation/ mounting/ dimensions

Mounting type

screw fixing

Certificates/approvals

General Product Approval

Functional Safety/Safety of Machinery

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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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