

SIGUARD SWITCHING ELEMENT, 2NC MOULDED PLASTIC HOUSING 5XX88 CONN.CABLE 3M LIYY 4X0,25SQMM (SWITCHING MAGNET REQUIRED: 3SE67042BA)



Figure similar

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	
<ul style="list-style-type: none"> • positive opening • cross-circuit/short-circuit recognition 	No No
Type of voltage of the operating voltage	AC/DC
Shock resistance	
<ul style="list-style-type: none"> • acc. to IEC 60068-2-27 	Sinusoidal half-wave 30g / 11 ms
Vibration resistance	
<ul style="list-style-type: none"> • acc. to IEC 60068-2-6 	10 ... 55 Hz: 1 mm
Protection class IP	IP67
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
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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, 3 m
Cable length	3 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	Declaration of Conformity	other
	Baumusterprüfbescheinigung	sonstig	sonstig
		 EG-Konf.	

Further information

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

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

Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE66042BA>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE66042BA>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE66042BA&lang=en

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