

SWITCHING MAGNET, RECTANGULAR, LARGE, AMBER, NO: TK-42-CD



Product designation	magnetically operated switch, switching magnet
Design of the product	coded magnet, rectangular
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
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
Height of the sensor	13 mm
Length of the sensor	88 mm
Width of the sensor	25 mm
Mechanical installation condition for sensor	no flush installation possible
Number of NC contacts	
<ul style="list-style-type: none"> • for auxiliary contacts 	0

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

Contact:	
Switching frequency	5 Hz

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

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	Declaration of Conformity
	Baumusterprüfbescheinigung	 EG-Konf.

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=3SE67042BA>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE67042BA>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE67042BA>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE67042BA&lang=en

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