

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



<b>Product designation</b>	magnetically operated switch, switching magnet
<b>Design of the product</b>	coded magnet, rectangular
Suitability for use safety-related circuits	Yes

**General technical data:**

<b>Product function</b>	
<ul style="list-style-type: none"> <li>• positive opening</li> <li>• cross-circuit/short-circuit recognition</li> </ul>	No No
<b>Protection class IP</b>	IP67
<b>Equipment marking</b>	
<ul style="list-style-type: none"> <li>• acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750</li> <li>• acc. to DIN EN 61346-2</li> <li>• acc. to DIN EN 81346-2</li> </ul>	S S S
<b>Height of the sensor</b>	13 mm
<b>Length of the sensor</b>	88 mm
<b>Width of the sensor</b>	25 mm
<b>Mechanical installation condition for sensor</b>	no flush installation possible
<b>Number of NC contacts</b>	
<ul style="list-style-type: none"> <li>• for auxiliary contacts</li> </ul>	0

<b>Number of NO contacts</b>	
• for auxiliary contacts	0
Number of CO contacts for auxiliary contacts	0

<b>Enclosure:</b>	
<b>Design of the housing</b>	block
<b>Material of the enclosure</b>	plastic

<b>Contact:</b>	
<b>Switching frequency</b>	5 Hz

<b>Safety related data:</b>	
<b>Safety Integrity Level (SIL) acc. to IEC 61508</b>	SIL3
<b>Performance level (PL) acc. to EN ISO 13849-1</b>	e
<b>Category acc. to EN 954-1</b>	4



<b>Ambient conditions:</b>	
<b>Ambient temperature</b>	
• during operation	-25 ... +70 °C

<b>Inputs/ Outputs:</b>	
<b>Type of switching output</b>	Reed contacts

<b>Display:</b>	
<b>Evaluation version required</b>	yes

<b>Installation/ mounting/ dimensions:</b>	
<b>Mounting type</b>	screw fixing

**Certificates/ approvals:**

General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
	<a href="#">Baumusterprüfbescheinigung</a>	 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=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](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE67042BA&lang=en)

**last modified:**

22.07.2015