

SIRIUS EVALUATION UNIT FOR MAGNET SWITCH 24 V DC, FOR 6 SENSORS (1NO/1NC),2FK, 45MM WIDTH, 6 SIGN. OUTPUT EACH 20MA, USE UP TO CAT.3 ACCORD. EN954-1



<b>Product designation</b>	safety relays
<b>Design of the product</b>	evaluation unit, 45 mm
Suitability for use safety-related circuits	Yes

### General technical data:

<b>Product function</b>	
<ul style="list-style-type: none"> <li>• positive opening</li> </ul>	No
<ul style="list-style-type: none"> <li>• cross-circuit/short-circuit recognition</li> </ul>	Yes
Type of voltage of the operating voltage	DC
<b>Shock resistance</b>	
<ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-27</li> </ul>	Sinusoidal half-wave 10g / 11 ms
<b>Vibration resistance</b>	
<ul style="list-style-type: none"> <li>• acc. to IEC 60068-2-6</li> </ul>	10 ... 55 Hz: 0.35 mm
<b>Protection class IP</b>	IP20
<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> </ul>	A
<ul style="list-style-type: none"> <li>• acc. to DIN EN 61346-2</li> </ul>	K
<ul style="list-style-type: none"> <li>• acc. to DIN EN 81346-2</li> </ul>	K
<b>Type of voltage</b>	DC

<b>Height of the sensor</b>	100 mm
<b>Length of the sensor</b>	120 mm
<b>Width of the sensor</b>	45 mm
<b>Mechanical installation condition for sensor</b>	no flush installation possible
Operating voltage Rated value	24 V
<b>Operating current Rated value</b>	125 mA
Operating power Rated value	3 W
<b>Number of NC contacts</b>	
• for auxiliary contacts	1
<b>Number of NO contacts</b>	
• for auxiliary contacts	2
Number of CO contacts for auxiliary contacts	0

<b>Enclosure:</b>	
<b>Material of the enclosure</b>	plastic

<b>Contact:</b>	
<b>Design of the switching function</b>	NC contact and NO contact
Number of switching contacts for signaling function	6
• safety-related	2

<b>Safety related data:</b>	
<b>Safety Integrity Level (SIL) acc. to IEC 61508</b>	SIL2
<b>Performance level (PL) acc. to EN ISO 13849-1</b>	d
<b>Category acc. to EN 954-1</b>	3

<b>Ambient conditions:</b>	
<b>Ambient temperature</b>	
• during operation	-25 ... +45 °C

<b>Supply voltage:</b>	
<b>Supply voltage</b>	28.8 ... 20.4 V

<b>Inputs/ Outputs:</b>	
<b>Number of semiconductor outputs</b>	
• for signaling function	6
<b>Output current at safety-related output maximum</b>	6 A
<b>Type of switching output</b>	relay contact
• of the PDF	relay contact

<b>Installation/ mounting/ dimensions:</b>	
<b>Mounting type</b>	snap-on mounting

<b>Certificates/ approvals:</b>	
---------------------------------	--

General Product Approval	Functional Safety/Safety of Machinery	Declaration of Conformity
--------------------------	---------------------------------------	---------------------------



[Baumusterprüfbescheinigung](#)



### 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**

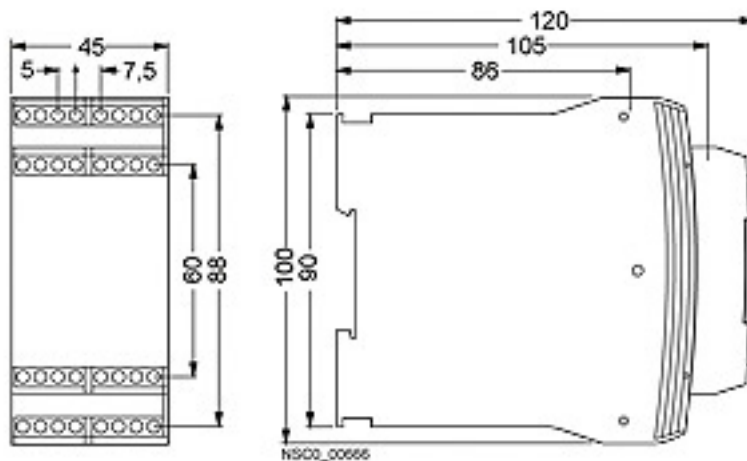
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3SE68062CD00>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE68062CD00>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3SE68062CD00&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3SE68062CD00&lang=en)



**last modified:**

22.07.2015