

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



Product designation	safety relays
Design of the product	evaluation unit, 45 mm
Suitability for use safety-related circuits	Yes
General technical data	
Product function	
• positive opening	No
• cross-circuit/short-circuit recognition	Yes
Type of voltage of the operating voltage	DC
Protection class IP	IP20
Shock resistance	
• acc. to IEC 60068-2-27	Sinusoidal half-wave 10g / 11 ms
Vibration resistance	
• acc. to IEC 60068-2-6	10 ... 55 Hz: 0.35 mm
Equipment marking	
• acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	A
• acc. to DIN EN 61346-2	K
• acc. to DIN EN 81346-2	K
Type of voltage	DC

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

Enclosure

Material of the enclosure	plastic
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Contact

Design of the switching function	NC contact and NO contact
Number of switching contacts for signaling function	6
• safety-related	2

Safety related data

Safety Integrity Level (SIL) acc. to IEC 61508	SIL3
Performance level (PL) acc. to EN ISO 13849-1	e

Ambient conditions

Ambient temperature	
• during operation	-25 ... +45 °C

Supply voltage

Supply voltage	28.8 ... 20.4 V
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Inputs/ Outputs

Number of semiconductor outputs	
• for signaling function	6
Output current at safety-related output maximum	6 A
Type of switching output	relay contact
• of the PDF	relay contact

Installation/ mounting/ dimensions

Mounting type	snap-on mounting
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Certificates/approvals



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=3SE6806-2CD00>

Cax online generator

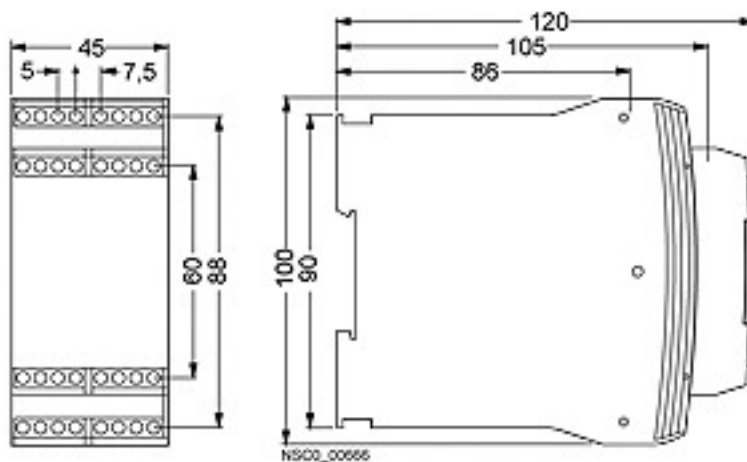
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SE6806-2CD00>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3SE6806-2CD00>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SE6806-2CD00&lang=en



last modified:

10/17/2016