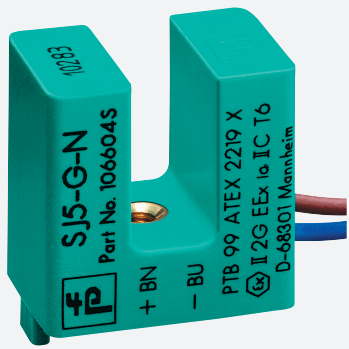


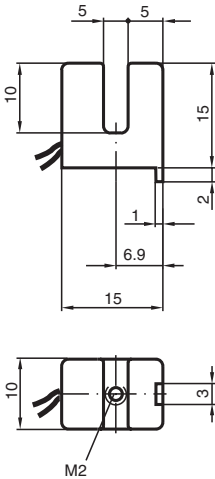
Inductive slot sensor

SJ5-G-N

■ 5 mm slot width



Dimensions



Technical Data

General specifications

Switching function	Normally closed (NC)
Output type	NAMUR
Slot width	5 mm
Depth of immersion (lateral)	5 ... 7 mm , typ. 6 mm
Output type	2-wire

Nominal ratings

Nominal voltage	U_o	8.2 V (R_i approx. 1 k Ω)
Operating voltage	U_B	5 ... 25 V
Switching frequency	f	0 ... 2000 Hz
Hysteresis	H	0.05 ... 0.65 mm

Current consumption

Measuring plate not detected	≥ 3 mA at nominal voltage
Measuring plate detected	≤ 1 mA at nominal voltage

Functional safety related parameters

MTTF _d	9060 a
Mission Time (T_M)	20 a
Diagnostic Coverage (DC)	0 %

Release date: 2023-01-27 Date of issue: 2023-01-27 Filename: 70132999_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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PEPPERL+FUCHS

Technical Data

Compliance with standards and directives

Standard conformity

NAMUR	EN 60947-5-6:2000 IEC 60947-5-6:1999
Standards	EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012

Approvals and certificates

IECEX approval

Equipment protection level Ga	IECEX PTB 11.0091X
Equipment protection level Gb	IECEX PTB 11.0091X
Equipment protection level Da	IECEX PTB 11.0091X
Equipment protection level Mb	IECEX PTB 11.0091X

ATEX approval

Equipment protection level Ga	PTB 99 ATEX 2219 X
Equipment protection level Gb	PTB 99 ATEX 2219 X
Equipment protection level Da	PTB 99 ATEX 2219 X

UL approval

Ordinary Location	cULus Listed, General Purpose E87056
Hazardous Location	E501628
Control drawing	116-0453

CCC approval

Hazardous Location	2020322315002306
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NEPSI approval

NEPSI certificate	GYJ16.1391X
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TIIS approval

	on request
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Marine approval

	DNVGL TAA00001A5
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Ambient conditions

Ambient temperature	-25 ... 100 °C (-13 ... 212 °F)
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Mechanical specifications

Connection type	flexible leads LiY
Housing material	PBT
Degree of protection	IP67
Cable	
Cable diameter	1.1 mm ± 0.1 mm
Bending radius	> 10 x cable diameter
Material	PVC
Core cross section	0.14 mm ²
Length	L 500 mm

General information

Use in the hazardous area	see instruction manuals
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Connection

