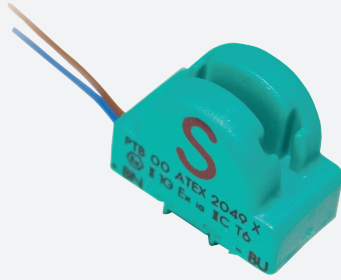


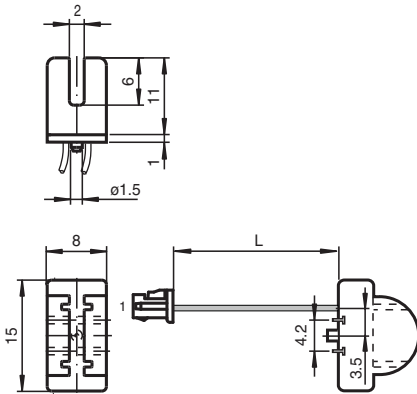
Inductive slot sensor SJ2-SN-Y70122212



- 2 mm slot width
- SJ2-SN with MOLEX connector
- Ferrous targets



Dimensions



Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		NAMUR with safety function
Slot width		2 mm
Depth of immersion (lateral)		5 ... 7 typ. 6 mm
Reference target		5 x 8 x 0.5 mm ³ , Al
Output type		2-wire
Nominal ratings		
Nominal voltage	U _o	8.2 V (R _i approx. 1 kΩ)
Switching frequency	f	0 ... 5000 Hz
Hysteresis	H	with NAMUR switch amplifier: 0.02 mm (e. g. Pepperl+Fuchs KCD2-SR-Ex1.LB) with safety switch amplifier 0.01 mm (e. g. Pepperl+Fuchs KFD2-SH-Ex1)
Suitable for 2:1 technology		yes , with reverse polarity protection diode
Rate of current rise		-11 mA / mm
Current consumption		
Measuring plate not detected		≥ 3 mA
Measuring plate detected		0.2 ... 1 mA

Release date: 2022-06-22 Date of issue: 2022-06-22 Filename: 70122212_eng.pdf

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

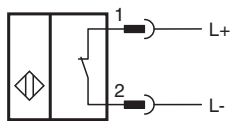
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Technical Data

Functional safety related parameters		
MTTF _d		11800 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
Ambient conditions		
Ambient temperature		-40 ... 100 °C (-40 ... 212 °F)
Mechanical specifications		
Connection type		flexible leads
Housing material		PBT
Degree of protection		IP67
Connector		
Number of pins		2
Connection assembly		Molex connector 51021-0200 Molex crimp 50058-8000
Cable		
Cable diameter		0.75 mm ± 0.15 mm
Bending radius		> 10 x cable diameter
Material		LIFYW
Number of cores		2
Core cross section		0.06 mm ²
Length	L	30 mm ± 4 mm
Note		adjustable stop

Connection



Wire colors in accordance with EN 60947-5-6

- | | | | |
|---|--|----|---------|
| 1 | | BN | (brown) |
| 2 | | BU | (blue) |

Accessories

	F-KD-Ex2	Terminal module for NAMUR sensors
--	----------	-----------------------------------

Release date: 2022-06-22 Date of issue: 2022-06-22 Filename: 70122212_eng.pdf