

Inductive slot sensor

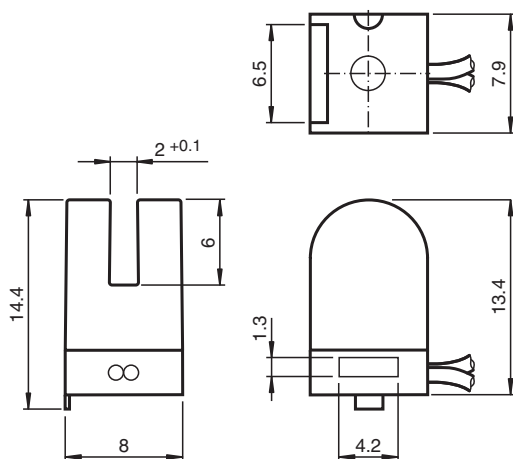
SJ2-N-Y12815

■ Comfort series

ATEX version



Dimensions



Technical Data

General specifications		
Switching function		Normally closed (NC)
Output type		NAMUR
Slot width		2 mm
Depth of immersion (lateral)		5 ... 7 typ. 6 mm
Output type		2-wire
Nominal ratings		
Nominal voltage	U _o	8.2 V (R _i approx. 1 kΩ)
Operating voltage	U _B	5 ... 25 V
Switching frequency	f	0 ... 5000 Hz
Current consumption		
Measuring plate not detected		≥ 3 mA at nominal voltage
Measuring plate detected		≤ 1 mA at nominal voltage
Compliance with standards and directives		
Standard conformity		
NAMUR		EN 60947-5-6:2000 IEC 60947-5-6:1999

Release date: 2024-05-27 Date of issue: 2024-05-31 Filename: 70132974_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

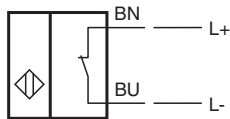
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

 **PEPPERL+FUCHS**

Technical Data

Standards		EN IEC 60947-5-2
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
Hazardous Location		E87056
		E501628
Control drawing		116-0453
KCC approval		
Hazardous Location		13-AV4BO-0353X
Ambient conditions		
Ambient temperature		-25 ... 100 °C (-13 ... 212 °F)
Mechanical specifications		
Connection type		flexible leads LIFYW
Housing material		PBT
Degree of protection		IP67
Cable		
Cable diameter		0.75 mm ± 0.15 mm
Bending radius		> 10 x cable diameter
Material		PVC
Core cross section		0.06 mm ²
Length	L	500 mm
Dimensions		
Height		12 mm
Width		8 mm
Length		8 mm
General information		
Use in the hazardous area		see instruction manuals

Connection



Release date: 2024-05-27 Date of issue: 2024-05-31 Filename: 70132974_eng.pdf