



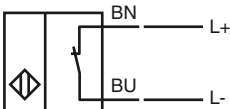
Model Number

SJ2-SN-Y107629

Features

- 2 mm slot width

Connection



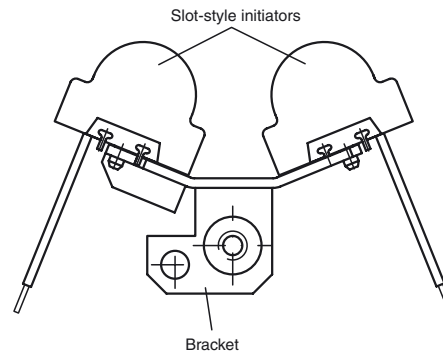
Application



Danger!

In safety-related applications the sensor must be operated with a qualified fail safe interface from Pepperl+Fuchs, such as KFD2-SH-EX1. Consider the "exida Functional Safety Assessment" document which is available on www.pepperl-fuchs.com as an integral part of this product's documentation.

Dimensions



Technical Data

General specifications

Switching element function	NAMUR, NC
Slot width	2 mm
Depth of immersion (lateral)	5 ... 7 typ. 6 mm
Installation	
Output polarity	Safety Function

Nominal ratings

Nominal voltage	U_o	8 V
Operating voltage	U_B	5 ... 25 V
Switching frequency	f	0 ... 5000 Hz
Current consumption		
Measuring plate not detected		≥ 3 mA
Measuring plate detected		≤ 1 mA

Ambient conditions

Ambient temperature	-40 ... 100 °C (-40 ... 212 °F)
---------------------	---------------------------------

Mechanical specifications

Connection type	flexible leads LIFYW
Core cross-section	0.06 mm ²
Housing material	PBT
Protection degree	IP67

General information

Use in the hazardous area	see instruction manuals
Category	2G

Compliance with standards and directives

Standard conformity	
NAMUR	EN 60947-5-6:2000 IEC 60947-5-6:1999
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose

ATEX 2G

Instruction

General

Manual electrical apparatus for hazardous areas

The installed proximity switches Type SJ2-SN (Part No. 106718) are approved for use in the hazardous area in accordance with the EC type examination certificate PTB 00 ATEX 2048X.

Release date: 2012-12-05 17:08 Date of issue: 2012-12-05 107629_eng.xml