

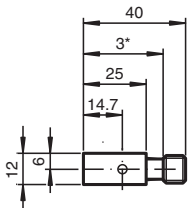
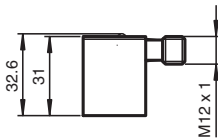


Inductive sensor NJ1,5-F2-E2-V1

- 1.5 mm with switching tappet
- 3-wire DC



Dimensions



Technical Data

General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	1.5 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 1.215 mm
Output type		3-wire

Nominal ratings

Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	0 ... 1000 Hz
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0 ... 200 mA
No-load supply current	I_0	≤ 15 mA
Switching state indicator		LED, red

Release date: 2025-05-22 Date of issue: 2025-05-22 Filename: 086588_eng.pdf

Technical Data

Compliance with standards and directives

Standard conformity

Standards

EN IEC 60947-5-2

Approvals and certificates

UL approval

cULus Listed, General Purpose

Ambient conditions

Ambient temperature

-25 ... 70 °C (-13 ... 158 °F)

Mechanical specifications

Connection type

Connector plug

Housing material

PA

Degree of protection

IP67

Connector

Threading

M12 x 1

Number of pins

4

Dimensions

Height

25 mm

Width

14 mm

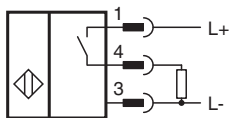
Length

31.5 mm

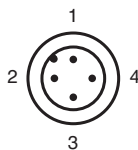
Note

Use a stop screw combined with a model -F2 sensor from Pepperl+Fuchs GmbH. The maximum actuation speed of the control slide is 0.1 m/s

Connection



Connection Assignment



Wire colors in accordance with EN 60947-5-2

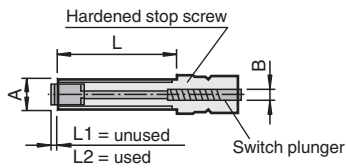
1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)

Additional Information

The inductive proximity sensor with plug-in acknowledgement elements is designed for applications where the simple installation of an adjustable mechanical stop with electronic acknowledgement is required.

Heavy duty fine threaded stop screws serve as finely adjustable end stops. The state of the acknowledgement element is indicated by the built-in LED on the proximity sensor.

Accessories:
Stop screws (Acknowledgement elements)



Type Coding	A	B	L	L1	L2	Load F max.
AS 08/15	M 8 x 1	6	15	3.5	2	2 000 N
AS 08/40	M 8 x 1	6	40	3.5	2	2 000 N
AS 10/50	M 10 x 1	7	50	2.5	1	9 500 N
AS 12/60	M 12 x 1	9	60	2	0.5	20 500 N
AS 12/80	M 12 x 1	9	80	2	0.5	20 500 N

