



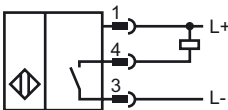
**Model Number**

NJ1,5-F2-E0-V1

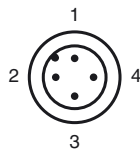
**Features**

- Comfort series
- 1.5 mm with switching tappet
- 3-wire DC

**Connection**



**Pinout**



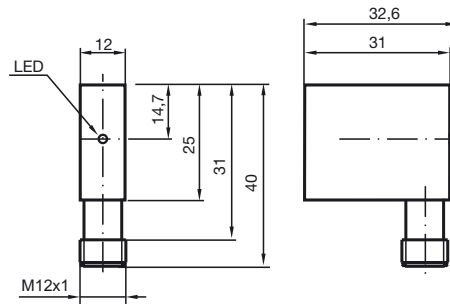
Wire colors in accordance with EN 60947-5-2

1	BN
2	WH
3	BU
4	BK

**Accessories**

- V1-G**  
Field attachable female cordset
- V1-W**  
Field attachable female cordset
- V1-W-2M-PUR**  
Cable socket, M12, 4-pin, PUR cable
- V1-G-2M-PUR**  
Cable socket, M12, 4-pin, PUR cable

**Dimensions**



**Technical Data**

**General specifications**

Switching element function		NPN	NO
Rated operating distance	$s_n$	1.5 mm	
Installation		embeddable	
Output polarity		DC	
Assured operating distance	$s_a$	0 ... 1.215 mm	

**Nominal ratings**

Operating voltage	$U_B$	10 ... 30 V DC
Switching frequency	$f$	1000 Hz
Hysteresis	$H$	typ. 5%
Reverse polarity protected		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 3$ V
Operating current	$I_L$	0 ... 200 mA
No-load supply current	$I_0$	$\leq 15$ mA
Indication of the switching state		LED, red

**Ambient conditions**

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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**Mechanical specifications**

Connection type	Device connector M12 x 1 , 4-pin
Housing material	Polyamide (PA)
Protection degree	IP67
Mass	15 g
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

**Compliance with standards and directives**

Standard conformity	
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

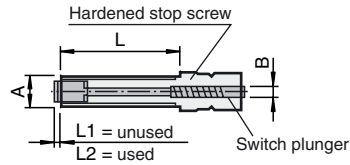
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**Installation hint**

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

