

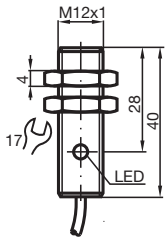
# Inductive sensor NJ2-12GM40-E1



■ 2 mm flush



## Dimensions



## Technical Data

### General specifications

Switching function		Normally closed (NC)
Output type		NPN
Rated operating distance	$s_n$	2 mm
Installation		flush
Output polarity		DC
Assured operating distance	$s_a$	0 ... 1.62 mm
Actual operating distance	$s_r$	1.8 ... 2.2 mm typ.
Reduction factor $r_{AI}$		0.23
Reduction factor $r_{Cu}$		0.21
Reduction factor $r_{304}$		0.7

### Nominal ratings

Operating voltage	$U_B$	10 ... 60 V
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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## Technical Data

Switching frequency	f	0 ... 3000 Hz
Hysteresis	H	1 ... 10 typ. 3 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 3$ V
Voltage drop at $I_L$		
Voltage drop $I_L = 100$ mA, switching element on	$U_d$	1.2 ... 2.5 V
Operating current	$I_L$	0 ... 200 mA
No-load supply current	$I_0$	$\leq 15$ mA
Time delay before availability	$t_v$	$\leq 20$ ms
Switching state indicator		LED, yellow

### 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
CCC approval		Certified by China Compulsory Certification (CCC)

### Ambient conditions

Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)

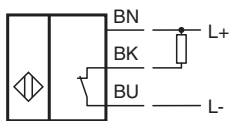
### Mechanical specifications

Connection type		cablE PUR , 2 m
Core cross-section		0.34 mm <sup>2</sup>
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PBT
Degree of protection		IP67

### General information

Scope of delivery		2 self locking nuts in scope of delivery
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## Connection



## Accessories

	<b>BF 12</b>	Mounting flange, 12 mm
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