



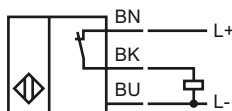
**Model Number**

NJ4-12GM40-E3

**Features**

- 4 mm not embeddable

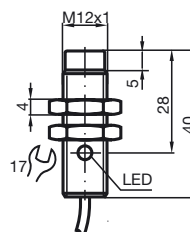
**Connection**



**Accessories**

**BF 12**  
Mounting flange, 12 mm

**Dimensions**



**Technical Data**

**General specifications**

Switching element function	PNP	NC
Rated operating distance	$s_n$	4 mm
Installation	not embeddable	
Output polarity	DC	
Assured operating distance	$s_a$	0 ... 3.24 mm
Reduction factor $r_{AI}$	0.37	
Reduction factor $r_{Cu}$	0.36	
Reduction factor $r_{304}$	0.74	

**Nominal ratings**

Operating voltage	$U_B$	10 ... 60 V
Switching frequency	$f$	0 ... 2000 Hz
Hysteresis	$H$	1 ... 10 typ. 3 %
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, yellow	

**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
Protection degree	IP67

**General information**

Scope of delivery	2 self locking nuts in scope of delivery
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**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)

Release date: 2011-07-08 13:39 Date of issue: 2012-02-03 086390\_eng.xml