



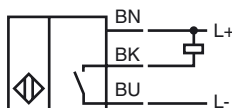
## Model Number

NJ4-12GK40-E

## Features

- 4 mm not embeddable

## Connection

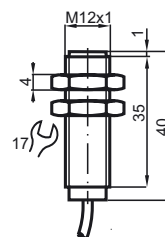


## Accessories

### BF 12

Mounting flange, 12 mm

## Dimensions



## Technical Data

### General specifications

Switching element function	NPN	NO
Rated operating distance	$s_n$	4 mm
Installation	not embeddable	
Output polarity	switched low	
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	-	

### 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	PBT
Sensing face	PBT
Protection degree	IP68

### 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)