

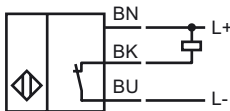


CE

### Model Number

NJ2-12GK40-E1-2,5M

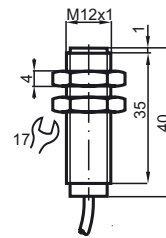
### Connection



### Accessories

**BF 12**  
Mounting flange

## Dimensions



## Technical Data

### General specifications

Switching element function		NPN Break function
Rated operating distance	$s_n$	2 mm
Installation		embeddable
Output polarity		switched low
Assured operating distance	$s_a$	0 ... 1.62 mm
Reduction factor $r_{Al}$		0.15
Reduction factor $r_{Cu}$		0.1
Reduction factor $r_{V2A}$		0.65

### Nominal ratings

Operating voltage	$U_B$	10 ... 60 V
Switching frequency	$f$	0 ... 3000 Hz
Hysteresis	$H$	1 ... 10 typ. 3 %
Reverse polarity protection		protected against reverse polarity
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 3$ V
Operating current	$I_L$	0 ... 200 mA
No-load supply current	$I_0$	$\leq 11$ mA

### Standard conformity

Standards	IEC / EN 60947-5-2:2004
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### Ambient conditions

Ambient temperature	-25 ... 70 °C (248 ... 343 K)
Storage temperature	-40 ... 85 °C (233 ... 358 K)

### Mechanical specifications

Connection type	2.5 m, PUR cable
Core cross-section	0.34 mm <sup>2</sup>
Housing material	PBT
Sensing face	PBT
Protection degree	IP68