

**Model Number**

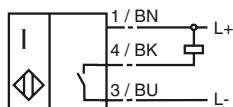
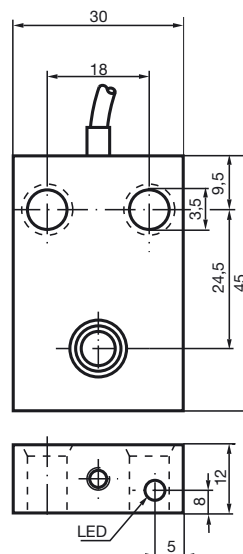
NJ6-F-E

Features

- Comfort series
- 6 mm embeddable

Connection

E / E0

**Dimensions****Technical Data****General specifications**

Switching element function	NPN Make function
Rated operating distance	s_n 6 mm
Installation	embeddable
Output polarity	DC
Assured operating distance	s_a 0 ... 4.8 mm
Reduction factor r_{AI}	0.22
Reduction factor r_{Cu}	0.2
Reduction factor r_{V2A}	0.7

Nominal ratings

Operating voltage	U_B	10 ... 60 V
Switching frequency	f	0 ... 500 Hz
Hysteresis	H	0 ... 0.3 typ. 0.1 %
Reverse polarity protection		protected against reverse polarity
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0 ... 200 mA
Off-state current	I_r	≤ 0.5 mA
No-load supply current	I_o	≤ 20 mA
Indication of the switching state		LED, yellow

Standard conformity

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

Ambient temperature	-25 ... 70 °C (248 ... 343 K)
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Mechanical specifications

Connection type	2 m, PUR cable
Core cross-section	0.34 mm ²
Housing material	PBT
Sensing face	PBT
Protection degree	IP67

Approvals and certificates

CCC approval	Certified by China Compulsory Certification (CCC)
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