

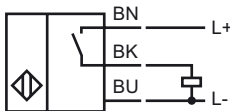


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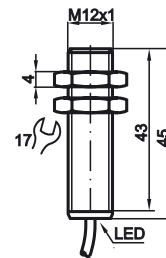
Model Number

NBN4-12GK45-E2

Connection



Dimensions



Technical Data

General specifications

Switching element function		PNP Make function
Rated operating distance	s_n	4 mm
Installation		not embeddable
Output polarity		switched high
Assured operating distance	s_a	0 ... 3.24 mm
Reduction factor r_{Al}		0.5
Reduction factor r_{Cu}		0.4
Reduction factor r_{V2A}		0.8

Nominal ratings

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 1200 Hz
Hysteresis	H	1 ... 10 typ. 3 %
Reverse polarity protection		protected against reverse polarity
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2 V
Operating current	I_L	0 ... 100 mA
No-load supply current	I_0	≤ 10 mA
Indication of the switching state		all direction 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)
Storage temperature	-40 ... 85 °C (233 ... 358 K)

Mechanical specifications

Connection type	2 m, PUR cable
Core cross-section	0.14 mm ²
Housing material	EP/PES
Sensing face	EP
Protection degree	IP69K