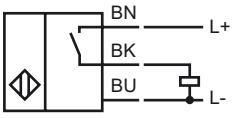
Model Number

CBN2-F46-E2

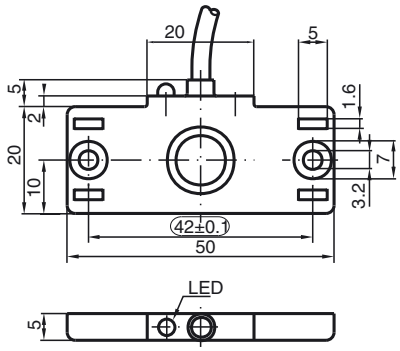
Features

- **Basic series**
- **2 mm not embeddable**
- **Flat housing**
- **mounting slots for cable ties**
- **Thru-holes for screw mounting**

Connection



Dimensions



Technical Data

General specifications		
Switching element function		PNP Make function
Rated operating distance	s_n	2 mm
Installation		not embeddable
Output polarity		DC
Assured operating distance	s_a	0 ... 1.4 mm
Nominal ratings		
Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 10 Hz
Hysteresis	H	1 ... 10 typ. 5 %
Reverse polarity protection		protected against reverse polarity
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2 V
Operating current	I_L	0 ... 100 mA
Off-state current	I_r	0 ... 0.5 mA typ. 0.01 mA
No-load supply current	I_0	≤ 15 mA
Indication of the switching state		LED, yellow
Ambient conditions		
Ambient temperature		-25 ... 70 °C (248 ... 343 K)
Storage temperature		-40 ... 85 °C (233 ... 358 K)
Mechanical specifications		
Connection type		2 m, PVC cable
Core cross-section		0.14 mm^2
Housing material		PBT
Sensing face		PBT
Protection degree		IP67
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007

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