



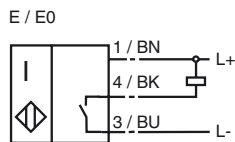
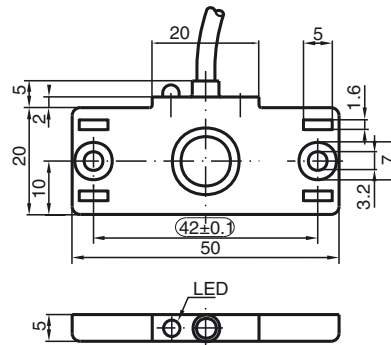
CE

**Model Number**

CBN5-F46-E0-Y107507

**Features**

- Flat housing
- 5 mm not embeddable
- mounting slots for cable ties

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

Switching element function		NPN Make function
Rated operating distance	$s_n$	5 mm
Installation		not embeddable
Output polarity		DC
Assured operating distance	$s_a$	0 ... 3.5 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	$U_d$	$\leq 2$ 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	$I_0$	$\leq 15$ mA
Indication of the switching state		LED, yellow

**Standard conformity**

EMC in accordance with	IEC / EN 60947-5-2:1999
Standards	IEC / EN 60947-5-2:1999

**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 <sup>2</sup>
Housing material	PBT
Sensing face	PBT
Protection degree	IP67