

Model Number

CBB10-30GK60-E0

Features

- 10 mm flush
- Operating distance adjustable via potentiometer
- High EMC resistance

Accessories

BF 30

Mounting flange, 30 mm

Technical Data

General specifications

Switching function	Normally open (NO)
Output type	NPN
Rated operating distance	s_n 10 mm
Installation	flush
Output polarity	DC
Assured operating distance	s_a 0 ... 8.1 mm
Output type	3-wire

Nominal ratings

Installation conditions	
A	0 mm
B	0 mm
C	20 mm
F	40 mm
Operating voltage	U_B 10 ... 30 V DC
Switching frequency	f 0 ... 10 Hz
Reverse polarity protection	reverse polarity protected
Short-circuit protection	pulsing
Voltage drop	U_d ≤ 2.8 V
Operating current	I_L 0 ... 200 mA
Off-state current	I_r 0 ... 0.5 mA typ. 0.1 µA at 25 °C
Off-state current $T_U = 40$ °C, switching element off	≤ 100 µA
No-load supply current	I_0 ≤ 20 mA
Time delay before availability	t_v ≤ 50 ms
Switching state indicator	LED, yellow

Functional safety related parameters

MTTF _d	700 a
Mission Time (T_M)	20 a
Diagnostic Coverage (DC)	0 %

Indicators/operating means

Potentiometer	sensitivity adjustment
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Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)

Mechanical specifications

Connection type	cable PVC, 2 m
Housing material	PBT
Sensing face	PBT
Degree of protection	IP67

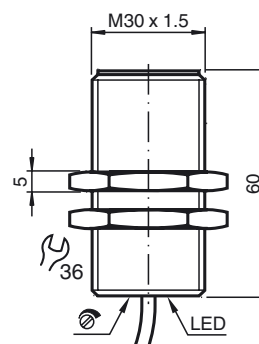
Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012

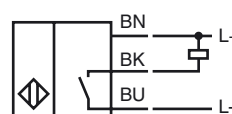
Approvals and certificates

UL approval	cULus Listed, General Purpose
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Dimensions



Electrical Connection





Installation Conditions

