



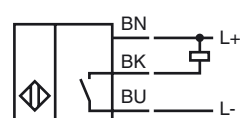
Model Number

NEB22-30GM60-E0

Features

- 22 mm quasi-embeddable
- Increased operating distance

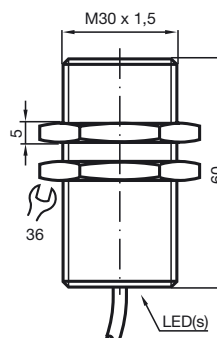
Connection



Accessories

BF 30
Mounting flange, 30 mm

Dimensions



Technical Data

General specifications

Switching element function		NPN	NO
Rated operating distance	s_n	22 mm	
Installation		quasi embedd.	
Output polarity		DC	
Assured operating distance	s_a	0 ... 17.8 mm	
Reduction factor r_{AI}		0.25	
Reduction factor r_{Cu}		0.22	
Reduction factor r_{303}		0.65	

Nominal ratings

Installation conditions			
A		6 mm	
B		37 mm	
C		66 mm	
F		80 mm	
Operating voltage	U_B	10 ... 30 V	
Switching frequency	f	0 ... 150 Hz	
Hysteresis	H	≤ 10 %	
Reverse polarity protected		reverse polarity protected	
Short-circuit protection		pulsing	
Voltage drop	U_d	≤ 5 V	
Operating current	I_L	0 ... 200 mA	
Off-state current	I_r	≤ 0.1 mA	
No-load supply current	I_0	≤ 10 mA	
Indication of the switching state		LED, yellow	

Functional safety related parameters

MTTF _d		213 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %

Ambient conditions

Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
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Mechanical specifications

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

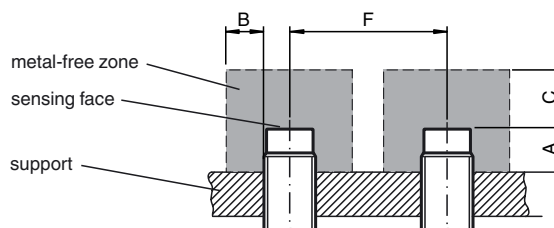
Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

Approvals and certificates

CCC approval	Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval.
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Installation conditions



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