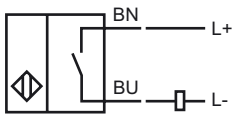
Model Number

NCN12-18GM50-Z4

Features

- **12 mm not embeddable**
- **2-wire DC**
- **Increased operating distance**

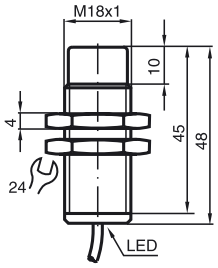
Connection



Accessories

BF 18
Mounting flange, 18 mm

Dimensions



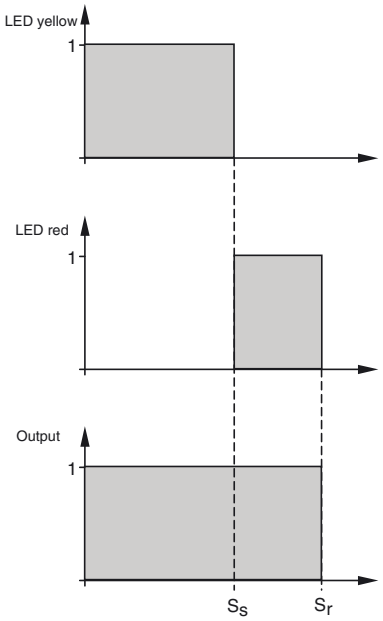
Technical Data

General specifications		
Switching element function		DC NO
Rated operating distance	s_n	12 mm
Installation		not embeddable
Output polarity		DC
Assured operating distance	s_a	0 ... 9.1 mm
Reduction factor r_{Al}		0.5
Reduction factor r_{Cu}		0.45
Reduction factor r_{303}		0.75
Reduction factor r_{Brass}		0.55
Nominal ratings		
Operating voltage	U_B	3.5 ... 30 V
Switching frequency	f	0 ... 1000 Hz
Hysteresis	H	typ. 3 %
Reverse polarity protected		reverse polarity-conductive
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3.5 V
Temperature drift		± 15%
Operating current	I_L	2 ... 100 mA
Off-state current	I_r	typ. 0.8 mA
Indication of the switching state		LED, yellow
Pre-fault indication		LED, red
Stability control-switch point		0,8 s_r ... 0,9 s_r
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-25 ... 85 °C (-13 ... 185 °F)
Mechanical specifications		
Connection type		cable PVC , 2 m
Core cross-section		0.34 mm^2
Housing material		brass, nickel-plated
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		
UL approval		cULus Listed, General Purpose
CSA approval		cCSAus Listed, General Purpose
CCC approval		Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval.

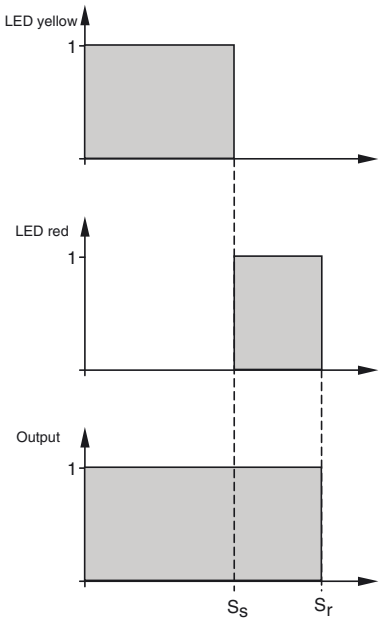
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Correlation between output signal/LED-function and stable operating distance s_s/ effective operating distance s_r: (s_s typ. 80 % of s_r)



Correlation between output signal/LED-function and stable operating distance s_s/ effective operating distance s_r: (s_s typ. 80 % of s_r)



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