







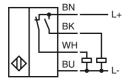
Model Number

NBN8-12GM50-A2

Features

- . 8 mm not embeddable
- · Increased operating distance

Connection

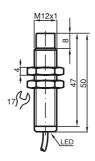


Accessories

BF 12

Mounting flange, 12 mm

Dimensions



PNP

NO/NC

Technical Data

General specifications
Switching element function
Bated operating distance

Rated operating distance	s _n	8 mm
Installation		not embeddable
Output polarity		DC
Assured operating distance	sa	0 6.48 mm
Reduction factor r _{Al}		0.39
Reduction factor r _{Cu}		0.35
Reduction factor r ₃₀₃		0.7
Nominal ratings		

Operating voltage	U_B	10 30 V
Switching frequency	f	0 1500 Hz
Hysteresis	Н	typ. 5%
Reverse polarity protected		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U۵	≤3 V

Operating current 0 ... 200 mA 0 ... 0.5 mA typ. 0.1 μA at 25 °C Off-state current all direction LED, yellow

Indication of the switching state

Functional safety related parameters 1560 a

MTTF_d Mission Time (T_M) 20 a 0 % Diagnostic Coverage (DC) **Ambient conditions**

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

cable PVC , 2 m Connection type Core cross-section 0.14 mm² Housing material brass, nickel-plated Sensing face PBT Protection degree
General information IP67

Scope of delivery 2 self locking nuts in scope of delivery 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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