







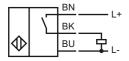
Model Number

NBN8-12GM50-E2

Features

- . 8 mm not embeddable
- · Increased operating distance

Connection

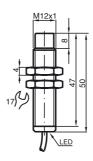


Accessories

BF 12

Mounting flange, 12 mm

Dimensions



Technical Data

General specifications		
Switching element function		PNP NO
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}		0.3
Reduction factor r ₃₀₃		0.7
Reduction factor r _{Brass}		0.45

Nominal ratings					
	Operating voltage	U _B	10 30 V		
	Switching frequency	f	0 1500 Hz		
	Hysteresis	Н	typ. 5%		
	Reverse polarity protected		reverse polarity protecte		
	Short-circuit protection		pulsing		
	Voltage drop	U_d	≤ 3 V		

Voltage drop $U_d \leq 3 \text{ V}$ Operating current $I_L = 0 \dots 200 \text{ mA}$ No-load supply current $I_0 \leq 16 \text{ mA}$ Indication of the switching state all direction LED, yellow

Functional safety related parameters

 MTTF_d
 1560 a

 Mission Time (T_M)
 20 a

 Diagnostic Coverage (DC)
 0 %

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

 Mechanical specifications

 Connection type
 cable PVC, 2 m

 Core cross-section
 0.14 mm²

 Housing material
 brass, nickel-plated

 Sensing face
 PBT

 Protection degree
 IP67

General information
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.