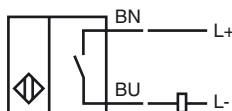


**Model Number**

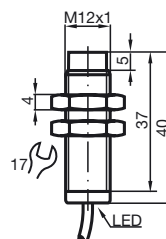
NCN4-12GM40-Z0-10M

**Features**

- 4 mm non-flush

**Connection****Accessories****BF 12**

Mounting flange, 12 mm

**Dimensions****Technical Data****General specifications**

Switching element function	DC	NO
Rated operating distance	$s_n$	4 mm
Installation	non-flush	
Output polarity	DC	
Assured operating distance	$s_a$	0 ... 3.24 mm
Reduction factor $r_{Al}$	0.42	
Reduction factor $r_{Cu}$	0.4	
Reduction factor $r_{304}$	0.75	

**Nominal ratings**

Operating voltage	$U_B$	5 ... 60 V
Switching frequency	$f$	0 ... 800 Hz
Hysteresis	$H$	1 ... 10 typ. 5 %
Reverse polarity protected	tolerant	
Short-circuit protection	pulsing	
Voltage drop	$U_d$	$\leq 5$ V
Operating current	$I_L$	2 ... 100 mA
Off-state current	$I_r$	0 ... 0.5 mA typ.
Indication of the switching state	all direction LED, yellow	

**Functional safety related parameters**

MTTF <sub>d</sub>	2020 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 PUR , 10 m
Core cross-section	0.14 mm <sup>2</sup>
Housing material	Stainless steel 1.4305 / AISI 303
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	Certified by China Compulsory Certification (CCC)