





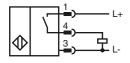
Model Number

NBN4-12GM50-E2-V1

Features

· 4 mm not embeddable

Connection



Pinout



Wire colors in accordance with EN 60947-5-2

BN	(brown
WH	(white)
BU	(blue)
BK	(black)
	WH BU

Accessories

BF 12

Mounting flange, 12 mm

4-pin, M12 female field-attachable connector

fa-info@us.pepperl-fuchs.com

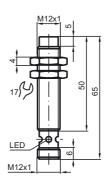
V1-W

4-pin, M12 female field-attachable connector V1-G-2M-PUR

Cable socket, M12, 4-pin, PUR cable

V1-W-2M-PUR Cable socket, M12, 4-pin, PUR cable

Dimensions



Technical Data		
General specifications		
Switching element function		PNP NO
Rated operating distance	s _n	4 mm
Installation		not embeddable
Output polarity		DC
Assured operating distance	sa	0 3.24 mm
Reduction factor r _{Al}		0.5
Reduction factor r _{Cu}		0.4
Reduction factor r ₃₀₄		0.8
Nominal ratings		
Operating voltage	U _B	10 30 V
Switching frequency	f	0 1200 Hz
Reverse polarity protected		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3 V
Operating current	ΙL	0 200 mA
Off-state current	l _r	0 0.5 mA typ. 0.1 μA at 25 °C
No-load supply current	I ₀	≤ 17 mA
Indication of the switching state		Multihole-LED, yellow
Functional safety related parameter	ers	
MTTF _d		990 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 Device connector M12 x 1, 4-pin Housing material brass, nickel-plated

Sensing face Protection degree PRT IP67 General information

Scope of delivery 2 self locking nuts in scope of delivery

Compliance with standards and directives Standard conformity

EN 60947-5-2:2007 Standards 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.