









Model Number

NBB2-12GM50-E2-V1

Features

- 2 mm flush
- · Extended temperature range

Accessories

BF 12

Mounting flange, 12 mm

EXG-12

Quick mounting bracket with dead stop V1-G

Female connector, M12, 4-pin, field attachable

V1-W

Female connector, M12, 4-pin, field attachable

V1-G-2M-PUR

Female cordset, M12, 4-pin, PUR cable V1-W-2M-PUR

Female cordset, M12, 4-pin, PUR cable

lechi	nıcaı	Data
General	specif	ications

Switching element function		
Rated operating distance	s _n	
Installation		
Output polarity		
Assured operating distance	sa	
Reduction factor r _{Al}		

PNP

2 mm flush DC

0.2

0.7

10 ... 30 V 0 ... 1500 Hz

pulsing

1060 a

20 a 0 %

IP67

≤ 3 V

reverse polarity protected

Multihole-LED, yellow

-40 ... 70 °C (-40 ... 158 °F)

Connector M12 x 1, 4-pin

2 self locking nuts in scope of delivery

brass, nickel-plated

0 ... 200 mA 0 ... 0.5 mA typ. 0.1 μA at 25 °C

NO

0 ... 1.62 mm (-25 ... 70 °C (-13 ... 158 °F)) 0 ... 1.52 mm (-40 ... -25 °C (-40 ... -13 °F))

Reduction factor r_{Cu} Reduction factor r₃₀₄ Nominal ratings

Operating voltage U_B Switching frequency Reverse polarity protection Short-circuit protection Voltage drop Operating current Off-state current U_d No-load supply current

Switching state indicator Functional safety related parameters

 MTTF_d Mission Time (T_M)
Diagnostic Coverage (DC) Ambient conditions

Ambient temperature Mechanical specifications

Connection type Housing material Sensing face

Degree of protection General information Scope of delivery

Compliance with standards and directives

Standard conformity

EN 60947-5-2:2007 Standards IEC 60947-5-2:2007

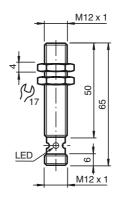
Approvals and certificates

EAC conformity TR CU 020/2011 cULus Listed, General Purpose **UL** approval

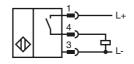
CSA approval cCSAus Listed, General Purpose CCC approval

CCC approval / marking not required for products rated ≤36 V

Dimensions



Electrical Connection



Pinout



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
1	RK	(black)



PEPPERL+FUCHS