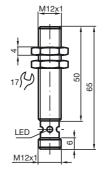
Dimensions



ϵ





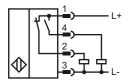
Model Number

NBB2-12GM50-A2-V1

Features

• 2 mm embeddable

Connection



Pinout



Wire colors in accordance with EN 60947-5-2

1	BN
2	WH
3	BU
4	BK

Accessories

BF 12

Mounting flange, 12 mm

V1-G

Field attachable female cordset

V1-W Field attachable female cordset

V1-G-2M-PUR

Cable socket, M12, 4-pin, PUR cable

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

EXG-12

www.pepperl-fuchs.com

Quick mounting bracket with dead stop

fa-info@us.pepperl-fuchs.com

Technical Data

ı	roommour Data			
I	General specifications			Π
ı	Switching element function		PNP NO/NC	
ı	Rated operating distance	s _n	2 mm	
ı	Installation		embeddable	
ı	Output polarity		DC	
ı	Assured operating distance	sa	0 1.62 mm	
ı	Reduction factor r _{Al}		0.25	
ı	Reduction factor r _{Cu}		0.15	
ı	Reduction factor r _{V2A}		0.66	
I	Nominal ratings			
ı	Operating voltage	U _B	10 30 V	
ı	Switching frequency	f	0 1000 Hz	
ı	Reverse polarity protected		reverse polarity protected	
ı	Short-circuit protection		pulsing	
ı	Voltage drop	U_d	≤ 3 V	
ı	Operating current	ال	0 200 mA	
ı	Off-state current	l _r	0 0.5 mA typ. 0.1 μA at 25 °C	
ı	No-load supply current	I ₀	≤ 20 mA	
ı	Indication of the switching state		LED, yellow	
Functional safety related parameters				
ı	MTTF _d		1460 a	
ı	Mission Time (T _M)		20 a	
ı	Diagnostic Coverage (DC)		0 %	
ı	Ambient conditions			
ı	Ambient temperature		-25 70 °C (-13 158 °F)	
ı	Mechanical specifications			
ı	Connection type		Device connector M12 x 1 , 4-pin	
ı	Housing material		brass, nickel-plated	

PBT

IP67

Sensing face Protection degree 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.