



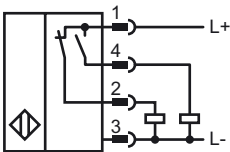
**Model Number**

NJ5-18GM50-A2-V1

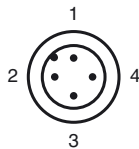
**Features**

- Comfort series
- 5 mm embeddable

**Connection**



**Pinout**



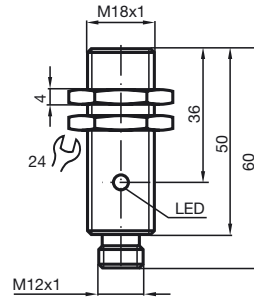
Wire colors in accordance with EN 60947-5-2

1	BN
2	WH
3	BU
4	BK

**Accessories**

- BF 18**  
Mounting flange
- V1-G**  
Non pre-wired cable socket
- V1-W**  
Non pre-wired cable socket
- V1-W-2M-PUR**  
Cable connector
- EXG-18**  
Mounting aid
- V1-G-2M-PUR**  
Cable connector

**Dimensions**



**Technical Data**

**General specifications**

Switching element function	PNP	Antivalent
Rated operating distance	$s_n$	5 mm
Installation		embeddable
Output polarity		DC
Assured operating distance	$s_a$	0 ... 4.05 mm
Reduction factor $r_{Al}$		0.25
Reduction factor $r_{Cu}$		0.2
Reduction factor $r_{V2A}$		0.65

**Nominal ratings**

Operating voltage	$U_B$	10 ... 60 V
Switching frequency	$f$	0 ... 200 Hz
Reverse polarity protection		protected against reverse polarity
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 3$ V
Operating current	$I_L$	0 ... 400 mA
No-load supply current	$I_0$	$\leq 15$ mA
Indication of the switching state		LED, yellow

**Ambient conditions**

Ambient temperature	-25 ... 70 °C (248 ... 343 K)
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**Mechanical specifications**

Connection type	connector M12 x 1, 4-pin
Core cross-section	-
Housing material	Stainless steel
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**

CCC approval	Certified by China Compulsory Certification (CCC)
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