



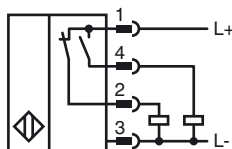
Model Number

NJ5-18GM50-A2-V1

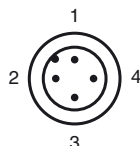
Features

- 5 mm embeddable

Connection



Pinout



Wire colors in accordance with EN 60947-5-2

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

Accessories

BF 18

Mounting flange, 18 mm

V1-G

4-pin, M12 female field-attachable connector

V1-W

4-pin, M12 female field-attachable connector

V1-W-2M-PUR

Cable socket, M12, 4-pin, PUR cable

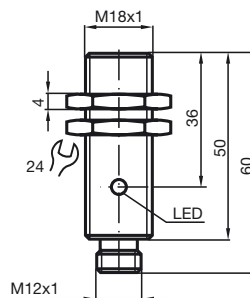
EXG-18

Quick mounting bracket with dead stop

V1-G-2M-PUR

Cable socket, M12, 4-pin, PUR cable

Dimensions



Technical Data

General specifications

Switching element function		PNP	NO/NC
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_{304}		0.65	

Nominal ratings

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

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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Mechanical specifications

Connection type	Device connector M12 x 1, 4-pin
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)