



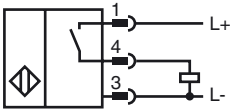
Model Number

NJ1,5-18GM-E2-D-V1

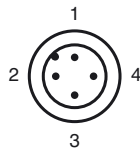
Features

- Compression proof up to 350 bar, dynamic on active surface
- For applications in hydraulic cylinder

Connection



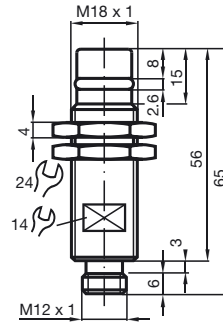
Pinout



Wire colors in accordance with EN 60947-5-2

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

Dimensions



Technical Data

General specifications

Switching element function	PNP	NO
Rated operating distance	s_n	1.5 mm
Installation		embeddable
Output polarity		DC
Assured operating distance	s_a	0 ... 1.22 mm
Reduction factor r_{Al}		0.3
Reduction factor r_{Cu}		0.2
Reduction factor r_{304}		0.5

Nominal ratings

Operating voltage	U_B	12 ... 60 V
Switching frequency	f	0 ... 400 Hz
Hysteresis	H	typ. %
Reverse polarity protected		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0 ... 200 mA
No-load supply current	I_0	≤ 10 mA

Limit data

Operating pressure dynamically	350 bar (5076.4 psi)
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Ambient conditions

Ambient temperature	-35 ... 70 °C (-31 ... 158 °F)
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Mechanical specifications

Connection type	connector M12 x 1, 4-pin
Housing material	Stainless steel
Sensing face	Ceramic
Protection degree	IP68

Compliance with standards and directives

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

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