

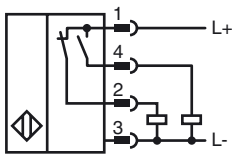
Model Number

NJ15-M1K-A2-V1

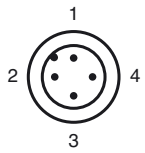
Features

- **15 mm not embeddable**
- **4-wire DC**

Connection



Pinout



Wire colors in accordance with EN 60947-5-2

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

Accessories

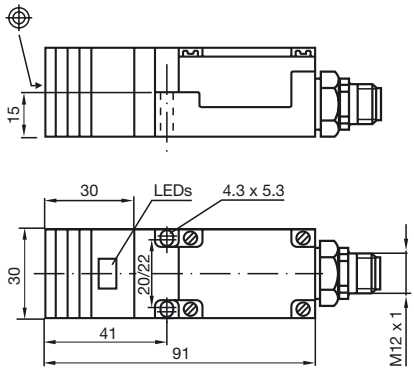
V1-G
4-pin, M12 female field-attachable connector

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

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

V1-W
4-pin, M12 female field-attachable connector

Dimensions



Technical Data

General specifications		
Switching element function		PNP NO/NC
Rated operating distance	s_n	15 mm
Installation		not embeddable
Output polarity		DC
Assured operating distance	s_a	0 ... 12.15 mm
Reduction factor r_{Al}		0.39
Reduction factor r_{Cu}		0.36
Reduction factor r_{304}		0.73
Nominal ratings		
Operating voltage	U_B	10 ... 60 V DC
Switching frequency	f	0 ... 200 Hz
Hysteresis	H	typ. 5 %
Reverse polarity protected		yes
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2.5 V
Operating current	I_L	0 ... 200 mA
No-load supply current	I_0	≤ 14.5 mA
Operating voltage display		LED, green
Indication of the switching state		LED, yellow
Functional safety related parameters		
$MTTF_d$		932 a
Mission Time (T_M)		20 a
Diagnostic Coverage (DC)		0 %
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		Device connector M12 x 1 , 4-pin
Housing material		PBT
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)

Release date: 2012-03-12 13:30 Date of issue: 2012-03-12 228467_eng.xml

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