

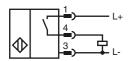
Model Number

NRN40-L3K-E2-C-V1

Features

- 40 mm non-flush
- Reduction factor = 1
- 40 mm non-flush
- **Weld Immune**
- Quick mounting bracket
- 4-way LED indicator

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

4-pin, M12 female field-attachable connector

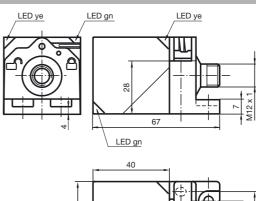
V1-G-2M-PUR

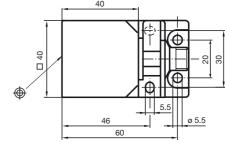
Cable socket, M12, 4-pin, PUR cable V1-W-2M-PUR

Cable socket, M12, 4-pin, PUR cable MHW 01

www.pepperl-fuchs.com

Dimensions





Technical Data

General enecifications

acticiai specifications		
Switching element function		PNP NO
Rated operating distance	s _n	40 mm
Installation		non-flush
Output polarity		switched high
Assured operating distance	sa	0 32.4 mm
Reduction factor r _{Al}		1
Reduction factor r _{Cu}		1
Reduction factor r ₃₀₄		1
Reduction factor r _{St37}		1

minal ratinge

Nominai ratings		
Operating voltage	U _B	10 30 V DC
Switching frequency	f	0 100 Hz
Hysteresis	Н	2 15 %
Reverse polarity protected		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2.5 V
Operating current	IL.	0 200 mA
Off-state current	l _r	0 0.5 mA typ. 0.01 mA
No-load supply current	I ₀	≤ 25 mA
Constant magnetic field	В	200 mT
Alternating magnetic field	В	200 mT
Operating voltage display		LED, green
Indication of the switching state		LED, yellow

Indication of the switching state

anotional calcty related parameters	
MTTF _d	1002 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %

Ambient conditions

Ambient temperature	-25 70 °C (-13 158 °F)
Storage temperature	-40 85 °C (-40 185 °F)

Mechanical specifications

•	
Connection type	Device connector M12 x 1, 4-pin
Housing material	GD-ZnAl4Cu1, coated
	mounting flange PA6-GF35
Sensing face	PA 6 Grivory GVN-35H
Protection degree	IP67
Mass	180 g

Copyright Pepperl+Fuchs

Singapore: +65 6779 9091

fa-info@sg.pepperl-fuchs.com

Compliance with standards and directives

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

Approvals and certificates

Protection class		II
Rated insulation voltage	Ui	60 V
Design-impulse-voltage withstand	l U _{imp}	800 V
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.

Release date: