









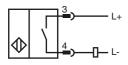
### **Model Number**

NBN8-18GM40-Z0-V1

### **Features**

- **Basic series**
- 8 mm non-flush
- 2-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**

Mounting flange with dead stop, 18 mm

V1-W

4-pin, M12 female field-attachable connector

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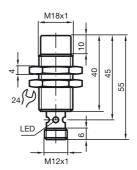
V1-G-2M-PUR

Cable socket, M12, 4-pin, PUR cable

V1-W-2M-PUR

Cable socket, M12, 4-pin, PUR cable

## **Dimensions**



# **Technical Data**

General s	pecifications
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	•			
	Switching element function		DC	NO
	Rated operating distance	s <sub>n</sub>	8 mm	
	Installation		non-flush	
	Output polarity		DC	
	Assured operating distance	sa	0 6.5 mr	ım
	Reduction factor r <sub>Al</sub>		0.43	
	Reduction factor r <sub>Cu</sub>		0.42	
	Reduction factor r <sub>304</sub>		0.73	
N	lominal ratings			
	Operating voltage	Un	5 60 V	

Switching frequency 0 ... 450 Hz 1 ... 10 typ. 5 % Hysteresis Reverse polarity protection reverse polarity tolerant Short-circuit protection Voltage drop pulsing ≤ 5 V U<sub>d</sub> Operating current 2 ... 100 mA Lowest operating current 2 mA  $I_{m}$ Off-state current
Switching state indication 0 ... 0.5 mA Multihole-LED, yellow

Functional safety related parameters

MTTF<sub>d</sub>
Mission Time (T<sub>M</sub>) 1694 a Diagnostic Coverage (DC)

Ambient conditions

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

Mechanical specifications

Connection type Device connector M12 x 1, 4-pin Housing material brass, nickel-plated Sensing face PBT Protection degree IP67

Compliance with standards and directives

Standard conformity

Standards FN 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)

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