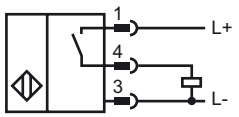
Model Number

NBN5-F1-E2-V3

Features

- **Basic series**
- **5 mm not embeddable**

Connection



Pinout

Wire colors in accordance with EN 60947-5-2

1	BN
3	BU
4	BK

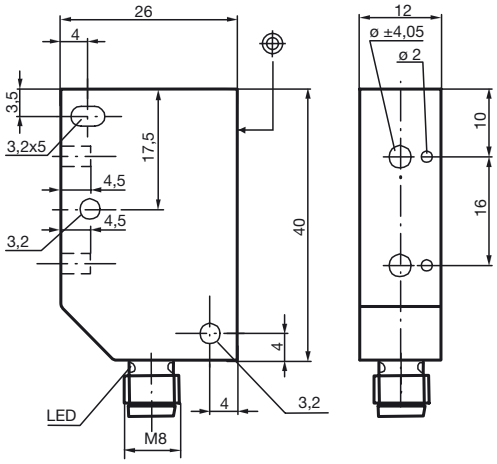
Accessories

V3-WM
Cable connector

V3-GM-2M-PUR
Cable connector

V3-WM-2M-PUR
Cable connector

Dimensions



Technical Data

General specifications		
Switching element function		PNP Make function
Rated operating distance	s_n	5 mm
Installation		not embeddable
Output polarity		DC
Assured operating distance	s_a	0 ... 4.05 mm
Reduction factor r_{Al}		0.3
Reduction factor r_{Cu}		0.2
Reduction factor r_{V2A}		0.7
Nominal ratings		
Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 800 Hz
Reverse polarity protection		protected against reverse polarity
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2.5 V
Operating current	I_L	0 ... 150 mA
Off-state current	I_r	0 ... 0.5 mA typ. 0.1 µA at 25 °C
No-load supply current	I_0	≤ 15 mA
Indication of the switching state		LED, yellow
Standard conformity		
Standards		IEC / EN 60947-5-2:2004
Ambient conditions		
Ambient temperature		-25 ... 70 °C (248 ... 343 K)
Mechanical specifications		
Connection type		V3-connector
Housing material		PBT
Sensing face		PBT
Protection degree		IP67

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