

Model Number

NBB0,8-5GM25-E2-V3

Features

- **Basic series**
- **0.8 mm flush**

Accessories

BF 5
Mounting flange, 5 mm

V3-WM
Female connector, M8, 3-pin, field attachable

V3-GM
Female connector, M8, 3-pin, field attachable

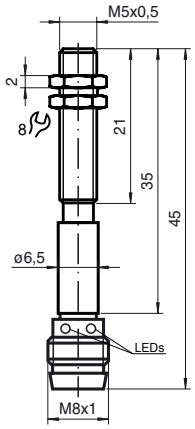
V3-WM-2M-PUR
Cable socket, M8, 3-pin, PUR cable

V3-GM-2M-PUR
Cable socket, M8, 3-pin, PUR cable

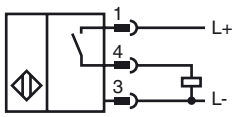
Technical Data

General specifications		
Switching element function		PNP NO
Rated operating distance	s_n	0.8 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 0.648 mm
Reduction factor r_{Al}		0.45
Reduction factor r_{Cu}		0.4
Reduction factor r_{304}		0.85
Nominal ratings		
Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 3000 Hz
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0.1 ... 100 mA
Off-state current	I_r	0 ... 0.1 mA
No-load supply current	I_0	≤ 15 mA
Switching state indicator		LED, yellow
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		Connector M8 x 1 , 3-pin
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		PBT
Degree of protection		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		CCC approval / marking not required for products rated ≤36 V

Dimensions



Electrical Connection



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Pinout



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
3	BU	(blue)
4	BK	(black)

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Refer to “General Notes Relating to Pepperl+Fuchs Product Information”.
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