

Model Number

NMB3-8GM35-E2-150MM-V1

Features

- **3 mm flush**
- **Stainless steel sensing face**
- **Increased operating distance**

Accessories

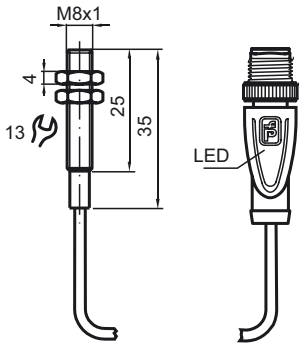
V1-G-2M-PUR
Female cordset, M12, 4-pin, PUR cable

V1-W-2M-PUR
Female cordset, M12, 4-pin, PUR cable

Technical Data

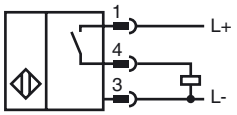
General specifications		
Switching element function		PNP NO contact
Rated operating distance	s_n	3 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 2.43 mm
Reduction factor r_{Al}		0.3
Reduction factor r_{Cu}		0.2
Reduction factor r_{304}		0.7
Nominal ratings		
Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 360 Hz
Hysteresis	H	5 ... 15 typ. 10 %
Reverse polarity protection		yes
Short-circuit protection		yes
Voltage drop	U_d	≤ 2 V
Operating current	I_L	0 ... 100 mA
Off-state current	I_r	0 ... 10 µA typ. 0.1 µA at 25 °C
No-load supply current	I_0	≤ 10 mA
Functional safety related parameters		
$MTTF_d$		2000 a
Mission Time (T_M)		20 a
Diagnostic Coverage (DC)		0 %
Indicators/operating means		
Operation indicator		Dual LED Green: power Yellow: output
Standard conformity		
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007
Ambient conditions		
Ambient temperature		-25 ... 75 °C (-13 ... 167 °F)
Mechanical specifications		
Connection type		Cable connector M12 x 1 , PUR 150 mm
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		Stainless steel 1.4305 / AISI 303
Degree of protection		IP67
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

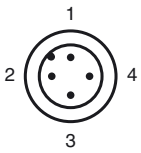


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Electrical Connection



Pinout



Wire colors in accordance with EN 60947-5-2

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

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

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