



Model Number

NBN2-8GM50-E0-C-V3

Features

- Weld Immune

Accessories

BF 8

Mounting flange, 8 mm

V3-WM

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

V3-GM

Female connector, M8, 3-pin, field attachable

Technical Data

General specifications

Switching element function		NPN	NO
Rated operating distance	s_n	2 mm	
Installation		non-flush	
Assured operating distance	s_a	0 ... 1.62 mm	
Reduction factor r_{Al}		0.3	
Reduction factor r_{Cu}		0.25	
Reduction factor r_{304}		0.65	

Nominal ratings

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 1800 Hz
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0 ... 100 mA
No-load supply current	I_0	≤ 20 mA
Alternating magnetic field	B	200 mT
Switching state indicator		LED, yellow

Standard conformity

Standards	IEC / EN 60947-5-2:2004
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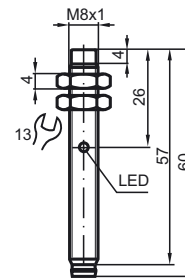
Ambient conditions

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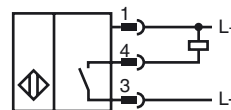
Mechanical specifications

Housing material	Brass, PTFE coated
Sensing face	PPS; Ryton R4
Degree of protection	IP67

Dimensions



Electrical Connection



Pinout





Wire colors in accordance with EN 60947-5-2

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

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