



Model Number

NMB3-8GM65-E2-V3

Features

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

Accessories

V3-GM-2M-PUR

Cable socket, M8, 3-pin, PUR cable

V3-WM-2M-PUR

Cable socket, M8, 3-pin, PUR cable

Technical Data

General specifications

Switching element function		PNP	NO
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}		0.8	
Reduction factor r_{S37}		1	

Nominal ratings

Operating voltage	U_B	10 ... 30 V DC
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	≤ 100 mA
Current consumption		≤ 10 mA
Off-state current	I_r	≤ 10 μ A
No-load supply current	I_0	≤ 15 mA

Indicators/operating means

Operation indicator	LED red: output
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Standard conformity

Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007
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Ambient conditions

Ambient temperature	0 ... 75 °C (32 ... 167 °F)
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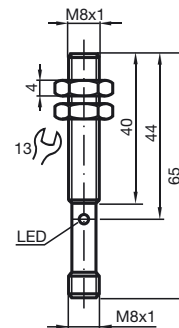
Mechanical specifications

Connection type	Connector M8 x 1, 3-pin
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	Stainless steel 1.4305 / AISI 303
Degree of protection	IP67

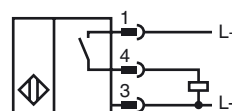
Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated ≤ 36 V

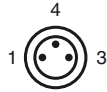
Dimensions



Electrical Connection



Pinout



Wire colors in accordance with EN 60947-5-2

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