



Model Number

NBB1,5-8GM40-E2-C-V3

Features

- 1.5 mm flush
- Weld Immune

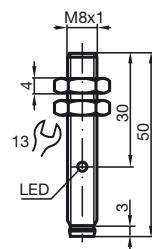
Accessories

- BF 8**
Mounting flange, 8 mm
- EXG-08**
Quick mounting bracket with dead stop
- V3-GM**
Female connector, M8, 3-pin, field attachable
- V3-WM**
Female connector, M8, 3-pin, field attachable
- V3-GM-2M-PUR**
Cable socket, M8, 3-pin, PUR cable
- V3-WM-2M-PUR**
Cable socket, M8, 3-pin, PUR cable

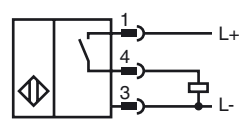
Technical Data

General specifications	
Switching function	Normally open (NO)
Output type	PNP
Rated operating distance	s_n 1.5 mm
Installation	flush
Output polarity	DC
Assured operating distance	s_a 0 ... 1.215 mm
Reduction factor r_{AI}	0.3
Reduction factor r_{CU}	0.25
Reduction factor r_{304}	0.65
Output type	3-wire
Nominal ratings	
Operating voltage	U_B 10 ... 30 V DC
Switching frequency	f 0 ... 1800 Hz
Hysteresis	H typ. 5 %
Reverse polarity protection	reverse polarity protected
Short-circuit protection	pulsing
Voltage drop	U_d \leq 3 V
Operating current	I_L 0 ... 100 mA
No-load supply current	I_0 \leq 20 mA
Constant magnetic field	B 100 mT
Alternating magnetic field	B 100 mT
Switching state indicator	LED, yellow
Functional safety related parameters	
MTTF _d	2240 a
Mission Time (T _M)	20 a
Diagnostic Coverage (DC)	0 %
Ambient conditions	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications	
Connection type	Connector plug M8 x 1 , 3-pin
Housing material	Brass, PTFE coated
Sensing face	PPS; Ryton R4
Degree of protection	IP67
Compliance with standards and directives	
Standard conformity	
Standards	EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
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 \leq 36 V

Dimensions

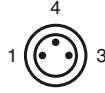


Electrical Connection



Release date: 2018-08-29 09:34 Date of issue: 2018-08-29 066789_eng.xml

Pinout



Wire colors in accordance with EN 60947-5-2

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