



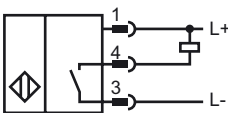
Model Number

NBB0,8-5GM25-E0-V3

Features

- Basic series
- 0.8 mm embeddable

Connection



Pinout



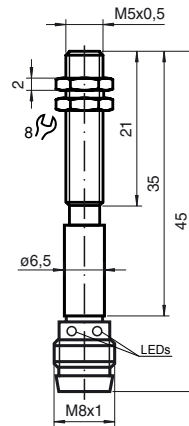
Wire colors in accordance with EN 60947-5-2

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

Accessories

- BF 5**
Mounting flange, 5 mm
- V3-GM**
Female connector, M8, 3-pin, field attachable
- V3-GM-2M-PUR**
Cable socket, M8, 3-pin, PUR cable
- V3-WM**
Female connector, M8, 3-pin, field attachable
- V3-WM-2M-PUR**
Cable socket, M8, 3-pin, PUR cable

Dimensions



Technical Data

General specifications

Switching element function		NPN	NO
Rated operating distance	s_n	0.8 mm	
Installation		embeddable	
Output polarity		DC	
Assured operating distance	s_a	0 ... 0.648 mm	
Reduction factor r_{AI}		0.45	
Reduction factor r_{Cu}		0.4	
Reduction factor r_{303}		0.85	

Nominal ratings

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 3000 Hz
Hysteresis	H	5 ... 20 %
Reverse polarity protected		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	≤ 12 mA
Indication of the switching state		LED, yellow

Ambient conditions

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

Mechanical specifications

Connection type	Device connector M8 x 1 , 3-pin
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	PBT
Protection degree	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	Products with a maximum operating voltage of ≤ 36 V do not bear a CCC marking because they do not require approval.

Release date: 2011-07-06 15:24 Date of issue: 2011-07-06 13:4075_eng.xml