



Model Number

NBB1,5-5GS25-E2-V3

Features

- 1.5 mm flush
- Stainless steel housing

Accessories

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

BF 5

Mounting flange, 5 mm

Technical Data

General specifications

Switching element function		PNP	NO
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_{Al}		0.4	
Reduction factor r_{Cu}		0.4	
Reduction factor r_{304}		0.75	
Reduction factor r_{Brass}		0.5	

Nominal ratings

Installation conditions

A	0 mm
B	1.5 mm
C	4.5 mm
F	6 mm

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 3000 Hz
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2 V
Operating current	I_L	0 ... 200 mA
Off-state current	I_r	0 ... 0.1 mA
No-load supply current	I_0	≤ 10 mA
Switching state indicator		LED, yellow

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °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	PA 66
Degree of protection	IP67

Compliance with standards and directives

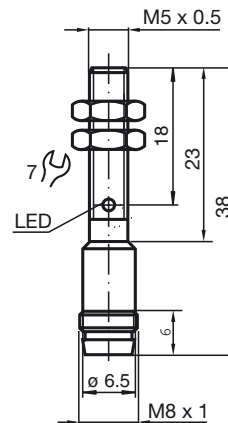
Standard conformity

Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007
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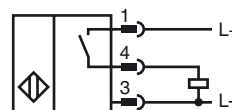
Approvals and certificates

CCC approval	CCC approval / marking not required for products rated ≤ 36 V
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Dimensions



Electrical Connection



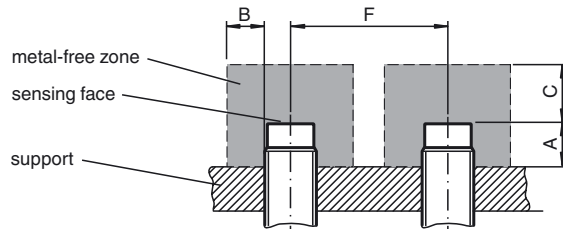
Pinout



Wire colors in accordance with EN 60947-5-2

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

Installation Conditions



Release date: 2014-07-04 13:59 Date of issue: 2014-07-04 265894_eng.xml