



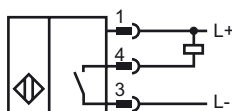
**Model Number**

NJ1,5-8GM40-E-V1

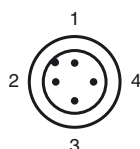
**Features**

- Comfort series
- 1.5 mm embeddable

**Connection**



**Pinout**



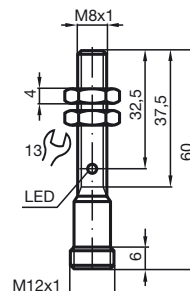
Wire colors in accordance with EN 60947-5-2

- |   |    |
|---|----|
| 1 | BN |
| 2 | WH |
| 3 | BU |
| 4 | BK |

**Accessories**

- BF 8**  
Mounting flange
- V1-W**  
Non pre-wired cable socket
- V1-G-2M-PUR**  
Cable connector
- EXG-08**  
Mounting aid
- V1-G**  
Non pre-wired cable socket
- V1-W-2M-PUR**  
Cable connector

**Dimensions**



**Technical Data**

**General specifications**

Switching element function	NPN	Make function
Rated operating distance	$s_n$	1.5 mm
Installation		embeddable
Output polarity		DC
Assured operating distance	$s_a$	0 ... 1.215 mm
Reduction factor $r_{Al}$		0.24
Reduction factor $r_{Cu}$		0.21
Reduction factor $r_{V2A}$		0.67

**Nominal ratings**

Operating voltage	$U_B$	10 ... 60 V
Switching frequency	$f$	0 ... 5000 Hz
Hysteresis	$H$	1 ... 15 typ. 5 %
Reverse polarity protection		protected against reverse polarity
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 2.6$ V
Operating current	$I_L$	0 ... 100 mA
Off-state current	$I_r$	0 ... 0.5 mA typ. 0.01 mA
No-load supply current	$I_0$	$\leq 10$ mA
Indication of the switching state		LED, yellow

**Standard conformity**

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

**Ambient conditions**

Ambient temperature	-25 ... 70 °C (248 ... 343 K)
Storage temperature	-40 ... 85 °C (233 ... 358 K)

**Mechanical specifications**

Connection type	V1-connector
Core cross-section	-
Housing material	Stainless steel
Sensing face	LCP
Protection degree	IP67

**Approvals and certificates**

CCC approval	Certified by China Compulsory Certification (CCC)
--------------	---

Release date: 2009-11-11 16:40 Date of issue: 2009-11-11 033003\_ENG.xml