



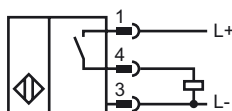
### Model Number

NJ0,8-5GM25-E2-V3

### Features

- Basic series
- 0.8 mm embeddable

### Connection



### Pinout



Wire colors in accordance with EN 60947-5-2

1	BN
3	BU
4	BK

### Accessories

#### BF 5

Mounting flange

#### V3-WM

Cable connector

#### V3-GM-2M-PUR

Cable connector

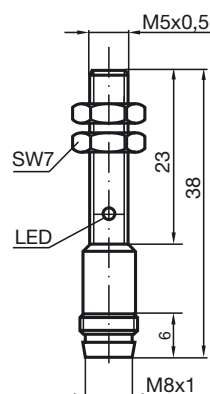
#### V3-WM-2M-PUR

Cable connector

#### V3-GM

Cable connector

### Dimensions



### Technical Data

#### General specifications

Switching element function	PNP	Make function
Rated operating distance	$s_n$	0.8 mm
Installation		embeddable
Output polarity		DC
Assured operating distance	$s_a$	0 ... 0.648 mm
Reduction factor $r_{Al}$		0.45
Reduction factor $r_{Cu}$		0.4
Reduction factor $r_{V2A}$		0.85

#### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 3000 Hz
Hysteresis	$H$	typ. 5%
Reverse polarity protection		protected against reverse polarity
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 2$ V
Operating current	$I_L$	0 ... 200 mA
Off-state current	$I_r$	0 ... 0.1 mA typ. 0.1 $\mu$ A at 25 °C
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
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#### Ambient conditions

Ambient temperature	-25 ... 70 °C (248 ... 343 K)
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#### Mechanical specifications

Connection type	V3-connector
Housing material	Stainless steel
Sensing face	PBT
Protection degree	IP67