



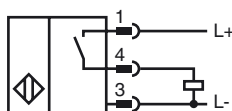
### Model Number

NBN3-6,5M25-E2-V3

### Features

- 3 mm not embeddable
- Increased operating distance

### Connection



### Pinout



Wire colors in accordance with EN 60947-5-2

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

### Accessories

#### BF 6,5

Mounting flange, 6.5 mm

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

Cable socket, M8, 3-pin, PUR cable

#### V3-GM

Female connector, M8, 3-pin, field attachable

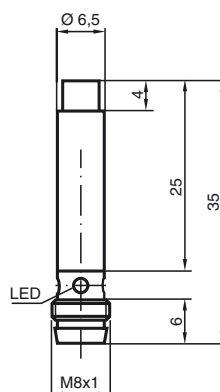
#### V3-WM-2M-PUR

Cable socket, M8, 3-pin, PUR cable

#### V3-WM

Female connector, M8, 3-pin, field attachable

### Dimensions



### Technical Data

#### General specifications

Switching element function	PNP	NO
Rated operating distance	$s_n$	3 mm
Installation		not embeddable
Output polarity		DC
Assured operating distance	$s_a$	0 ... 2.43 mm
Reduction factor $r_{AI}$		0.5
Reduction factor $r_{Cu}$		0.5
Reduction factor $r_{304}$		0.75

#### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 2000 Hz
Reverse polarity protected		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 3$ V
Operating current	$I_L$	0 ... 100 mA
Off-state current	$I_r$	0 ... 0.5 mA typ. 0.1 $\mu$ A at 25 °C
No-load supply current	$I_0$	$\leq 15$ mA
Indication of the switching state		Multihole-LED, yellow

#### Ambient conditions

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

Connection type	Device connector M8 x 1, 3-pin
Housing material	brass, nickel-plated
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 $\leq 36$ V do not bear a CCC marking because they do not require approval.