



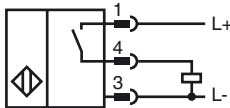
## Model Number

NJ1,5-6,5-40-E2-V3

## Features

- 1.5 mm embeddable

## 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-WM-2M-PUR

Cable socket, M8, 3-pin, PUR cable

### V3-GM-2M-PUR

Cable socket, M8, 3-pin, PUR cable

### V3-WM

Female connector, M8, 3-pin, field attachable

### V3-GM

Female connector, M8, 3-pin, field attachable

## Dimensions



## Technical Data

### General specifications

Switching element function		PNP	NO
Rated operating distance	$s_n$	1.5 mm	
Installation		embeddable	
Output polarity		DC	
Assured operating distance	$s_a$	0 ... 1.215 mm	
Reduction factor $r_{AI}$		0.25	
Reduction factor $r_{Cu}$		0.2	
Reduction factor $r_{304}$		0.7	

### Nominal ratings

Operating voltage	$U_B$	10 ... 60 V
Switching frequency	$f$	0 ... 500 Hz
Hysteresis	$H$	typ. 5%
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	$I_r$	$\leq 10$ $\mu$ A
No-load supply current	$I_0$	$\leq 15$ mA
Indication of the switching state		-

### 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
Sensing face	LCP
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	Certified by China Compulsory Certification (CCC)