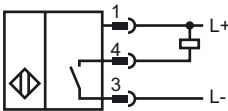




### Model Number

NJ1,5-6,5-50-E-V3

### Connection



### Pinout



Wire colors in accordance with EN 60947-5-2

1	BN
3	BU
4	BK

### Accessories

#### BF 6,5

Mounting flange

#### V3-GM

Cable connector

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

Cable connector

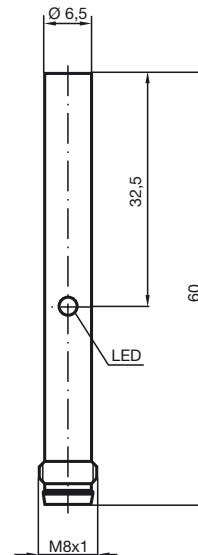
#### V3-WM

Cable connector

#### V3-GM-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		switched low
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	$U_d$	≤ 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	$I_0$	≤ 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)
Storage temperature	-40 ... 85 °C (233 ... 358 K)

#### Mechanical specifications

Connection type	V3-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)
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