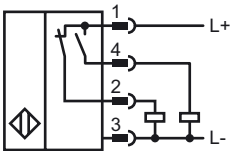




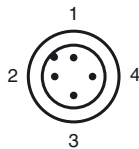
**Model Number**

NJ40-FP-A2-T-B1-P1-V1

**Connection**



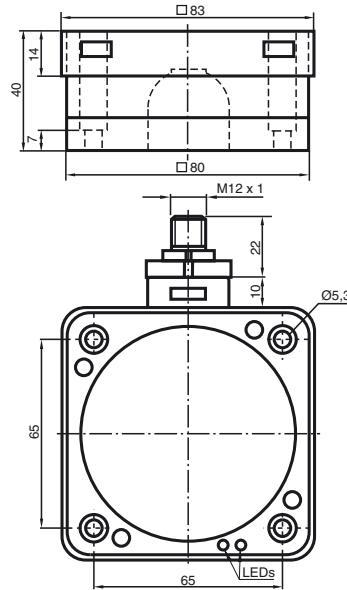
**Pinout**



Wire colors in accordance with EN 60947-5-2

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

**Dimensions**



**Technical Data**

**General specifications**

Switching element function	PNP	Antivalent
Rated operating distance	$s_n$	40 mm
Installation		embeddable
Output polarity		switched high
Assured operating distance	$s_a$	0 ... 32.4 mm
Reduction factor $r_{Al}$		0.4
Reduction factor $r_{Cu}$		0.3
Reduction factor $r_{V2A}$		0.85

**Nominal ratings**

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 100 Hz
Hysteresis	H	typ. 3 %
Reverse polarity protection		protected against reverse polarity
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 3$ V
Operating current	$I_L$	0 ... 150 mA
No-load supply current	$I_0$	$\leq 20$ mA
Operating voltage display		LED, green
Indication of the switching state		LED, yellow

**Ambient conditions**

Ambient temperature	-25 ... 100 °C (248 ... 373 K)
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**Mechanical specifications**

Connection type	connector M12 x 1, 4-pin
Housing material	PBT
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
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