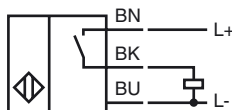




**Model Number**

NJ1,5-6,5-40-E2-5M

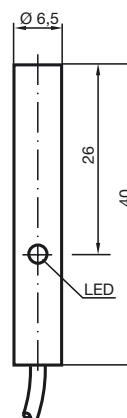
**Connection**



**Accessories**

**BF 6,5**  
Mounting flange, 6.5 mm

**Dimensions**



**Technical Data**

<b>General specifications</b>			
Switching element function		PNP	NO
Rated operating distance	$s_n$	1.5 mm	
Installation		flush	
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	
<b>Nominal ratings</b>			
Operating voltage	$U_B$	10 ... 60 V	
Switching frequency	$f$	0 ... 500 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	
No-load supply current	$I_0$	$\leq 15$ mA	
Indication of the switching state		LED, yellow	
<b>Functional safety related parameters</b>			
MTTF <sub>d</sub>		2190 a	
Mission Time (T <sub>M</sub> )		20 a	
Diagnostic Coverage (DC)		0 %	
<b>Ambient conditions</b>			
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)	
<b>Mechanical specifications</b>			
Connection type		cable PUR , 5 m	
Core cross-section		0.14 mm <sup>2</sup>	
Housing material		Stainless steel 1.4305 / AISI 303	
Sensing face		PBT	
Protection degree		IP67	
<b>Compliance with standards and directives</b>			
Standard conformity			
Standards		EN 60947-5-2:2007 IEC 60947-5-2:2007	
<b>Approvals and certificates</b>			
UL approval		cULus Listed, General Purpose	
CSA approval		cCSAus Listed, General Purpose	
CCC approval		Certified by China Compulsory Certification (CCC)	

Release date: 2012-05-22 15:21 Date of issue: 2012-05-22 069969\_eng.xml