

### Model Number

NJ1,5-6,5-40-E0

### Features

- 1.5 mm flush

### Accessories

BF 6,5

Mounting flange, 6.5 mm

## Technical Data

### General specifications

Switching element function		NPN	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 $r_{Al}$		0.2	
Reduction factor $r_{Cu}$		0.1	
Reduction factor $r_{304}$		0.5	

### Nominal ratings

Operating voltage	$U_B$	10 ... 60 V	
Switching frequency	$f$	0 ... 2500 Hz	
Hysteresis	$H$	1 ... 15 typ. 5 %	
Reverse polarity protection		reverse polarity protected	
Short-circuit protection		pulsing	
Voltage drop	$U_d$	$\leq 2.5$ V	

### Voltage drop at $I_L$

Voltage drop  $I_L = 10$  mA, switching element 1 ... 2.2 V typ. 1.6 V on  $U_d$

Voltage drop  $I_L = 20$  mA, switching element 0.9 ... 2.4 V typ. 1.7 V on  $U_d$

Voltage drop  $I_L = 50$  mA, switching element 1.2 ... 2.4 V typ. 1.8 V on  $U_d$

Voltage drop  $I_L = 100$  mA, switching element on  $U_d$  1.4 ... 2.6 V typ. 2 V

Operating current  $I_L$  0 ... 100 mA

Lowest operating current  $I_m$  0 mA

Off-state current  $I_r$   $\leq 0.1$  mA

Off-state current  $T_U = 40$  °C, switching element off  $\leq 100$   $\mu$ A

No-load supply current  $I_0$   $\leq 15$  mA

Time delay before availability  $t_v$   $\leq 20$  ms

Switching state indicator LED, yellow

### Ambient conditions

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

Storage temperature -40 ... 85 °C (-40 ... 185 °F)

### Mechanical specifications

Connection type cable PUR , 2 m

Core cross-section 0.14 mm<sup>2</sup>

Housing material Stainless steel 1.4305 / AISI 303

Sensing face LCP

Degree of protection IP67

### Compliance with standards and directives

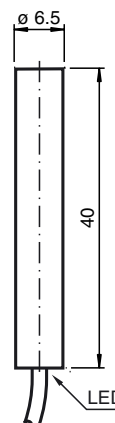
#### Standard conformity

Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007
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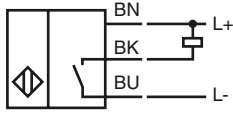
### Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	Certified by China Compulsory Certification (CCC)

## Dimensions



Electrical Connection



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