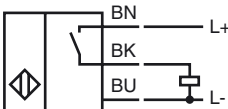


**Model Number**

NJ5-18GK50-E2

**Features**

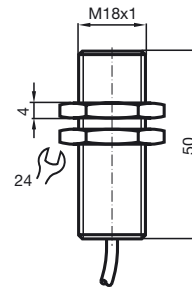
- 5 mm flush

**Connection****Accessories****BF 18**

Mounting flange, 18 mm

**EXG-18**

Quick mounting bracket with dead stop

**Dimensions****Technical Data****General specifications**

Switching element function		PNP	NO
Rated operating distance	$s_n$	5 mm	
Installation		flush	
Output polarity		DC	
Assured operating distance	$s_a$	0 ... 4.05 mm	
Reduction factor $r_{AI}$		0.3	
Reduction factor $r_{Cu}$		0.25	
Reduction factor $r_{304}$		0.7	

**Nominal ratings****Installation conditions**

A	0 mm
B	0 mm
C	15 mm

Operating voltage	$U_B$	10 ... 60 V
Switching frequency	$f$	0 ... 1500 Hz
Hysteresis	H	1 ... 15 typ. 6 %
Reverse polarity protected		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 3$ V
Operating current	$I_L$	0 ... 200 mA
Lowest operating current	$I_m$	0 mA
Off-state current	$I_r$	0 ... 0.5 mA typ. 0.01 mA
No-load supply current	$I_0$	$\leq 9$ mA

**Functional safety related parameters**

MTTF <sub>d</sub>	1100 a
Mission Time ( $T_M$ )	20 a
Diagnostic Coverage (DC)	0 %

**Ambient conditions**

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)

**Mechanical specifications**

Connection type	cable PVC , 2 m
Core cross-section	0.5 mm <sup>2</sup>
Housing material	PBT
Sensing face	PBT
Protection degree	IP68

**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)