



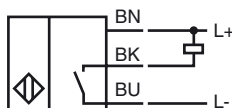
Model Number

NJ1,5-8GM40-E0

Features

- 1.5 mm embeddable

Connection



Accessories

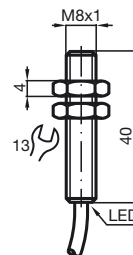
EXG-08

Quick mounting bracket with dead stop

BF 8

Mounting flange, 8 mm

Dimensions



Technical Data

General specifications

Switching element function		NPN	NO
Rated operating distance	s_n	1.5 mm	
Installation		embeddable	
Output polarity		DC	
Assured operating distance	s_a	0 ... 1.215 mm	
Reduction factor r_{Al}		0.25	
Reduction factor r_{Cu}		0.15	
Reduction factor r_{303}		0.6	

Nominal ratings

Operating voltage	U_B	10 ... 60 V
Switching frequency	f	0 ... 2500 Hz
Hysteresis	H	1 ... 15 typ. 5 %
Reverse polarity protected		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2.5 V
Operating current	I_L	0 ... 100 mA
Lowest operating current	I_m	0 mA
Off-state current	I_r	≤ 0.1 mA
No-load supply current	I_0	≤ 15 mA
Indication of the switching state		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 ²
Sensing face	LCP
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
CSA approval	cCSAus Listed, General Purpose
CCC approval	Certified by China Compulsory Certification (CCC)