



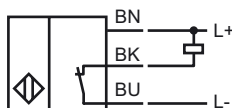
Model Number

NJ4-12GK40-E1

Features

- 4 mm not embeddable

Connection

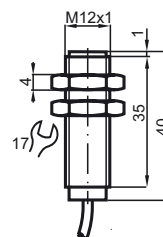


Accessories

BF 12

Mounting flange, 12 mm

Dimensions



Technical Data

General specifications

Switching element function		NPN	NC
Rated operating distance	s_n	4 mm	
Installation		not embeddable	
Output polarity		switched low	
Assured operating distance	s_a	0 ... 3.24 mm	
Reduction factor r_{A1}		0.37	
Reduction factor r_{Cu}		0.36	
Reduction factor r_{303}		0.74	

Nominal ratings

Operating voltage	U_B	10 ... 60 V
Switching frequency	f	0 ... 2000 Hz
Hysteresis	H	1 ... 10 typ. 3 %
Reverse polarity protected		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0 ... 200 mA
No-load supply current	I_0	≤ 15 mA
Indication of the switching state		-

Ambient conditions

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

Mechanical specifications

Connection type	cabl PUR , 2 m
Core cross-section	0.34 mm ²
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)