Dane aktualne na dzień: 19-11-2026 15:07

Link do produktu: https://automatyka.mjmkielce.pl/czujnik-indukcyjny-ppf-nbn40-u1k-e2-3g-3d-pnp-40mm-p-85991.html



CZUJNIK INDUKCYJNY PPF NBN40-U1K-E2-3G-3D PNP 40mm

Cena	**668,00 zł**
Numer katalogowy	**26023**
Kod EAN	**26023**
Producent	**PEPPERL+FUCHS**

Opis produktu

Dane techniczne NBN40-U1K-E2-3G-3D

General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance		40 mm
Installation		non-flush
Output polarity		DC
Assured operating distance		0 ... 32.4 mm
Actual operating distance		36 ... 44 mm typ. 40 mm
Reduction factor r_{Al}		0.31
Reduction factor r_{Cu}		0.3
Reduction factor r_{304}		0.74
Reduction factor r_{Brass}		0.39
Output type		3-wire
Nominal ratings		
Operating voltage		10 ... 30 V DC
Switching frequency		0 ... 150 Hz
Hysteresis		typ. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop		≤ 2 V
Voltage drop at I_L		
	Voltage drop I_L = 1 mA, switching element on	0.5 ... 2.3 V typ. 0.9 V
	Voltage drop I_L = 10 mA, switching element on	0.8 ... 2.2 V typ. 1.4 V
	Voltage drop I_L = 20 mA, switching element on	0.9 ... 2.3 V typ. 1.5 V
	Voltage drop I_L = 50 mA, switching element on	0.9 ... 2.5 V typ. 1.6 V
	Voltage drop I_L = 100 mA, switching element on	1 ... 2.6 V typ. 1.8 V
	Voltage drop I_L = 200 mA, switching element on	1.2 ... 2.8 V typ. 2 V
Operating current		0 ... 200 mA
Off-state current		0 ... 0.5 mA typ. 0.01 mA
	Off-state current T_U =40 °C, switching element off	≤ 100 µA
No-load supply current		≤ 20 mA
Time delay before availability		80 ms
Operating voltage indicator		LED, green
Switching state indicator		LED, yellow
Functional safety related parameters		
$MTTF_d$		1358 a
Mission Time (T_M)		20 a

Diagnostic Coverage (DC)		0 %
Compliance with standards and directives		
Standard conformity		
	Standards	EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
Approvals and certificates		
FM approval		hazardous (classified) location Non-incendive
UL approval		cULus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated ≤36 V
Ambient conditions		
Ambient temperature		-25 ... 85 °C (-13 ... 185 °F)
Mechanical specifications		
Connection type		screw terminals
Information for connection		A maximum of two conductors with the same core cross section may be mounted on one terminal connection! tightening torque 1.2 Nm + 10 %
Core cross-section		up to 2.5 mm^2
	Minimum core cross-section	without wire end ferrule 0.5 mm^2 , with connector sleeves 0.34 mm^2
	Maximum core cross-section	without wire end ferrule 2.5 mm^2 , with connector sleeves 1.5 mm^2
Housing material		PA
Sensing face		PA
Degree of protection		IP68 / IP69K
Mass		225 g
Note		Tightening torque: 1.8 Nm (housing)