

Link do produktu: <https://automatyka.mjmkielce.pl/czujnik-indukcyjny-ppf-nbn40-u1k-e2-3g-3d-p-55306.html>



CZUJNIK INDUKCYJNY PPF NBN40-U1K-E2-3G-3D

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 on0.5 ... 2.3 V typ. 0.9 V
	Voltage drop $I_L = 10$ mA, switching element on0.8 ... 2.2 V typ. 1.4 V
	Voltage drop $I_L = 20$ mA, switching element on0.9 ... 2.3 V typ. 1.5 V
	Voltage drop $I_L = 50$ mA, switching element on0.9 ... 2.5 V typ. 1.6 V
	Voltage drop $I_L = 100$ mA, switching element on1 ... 2.6 V typ. 1.8 V
	Voltage drop $I_L = 200$ mA, switching element on1.2 ... 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 μ A
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 cULus Listed, General Purpose CCC approval / marking not required for products rated ≤ 36 V
UL approval		
CCC approval		
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 % up to 2.5 mm ² without wire end ferrule 0.5 mm ² , with connector sleeves 0.34 mm ² without wire end ferrule 2.5 mm ² , with connector sleeves 1.5 mm ²
Core cross-section	Minimum core cross-section	
	Maximum core cross-section	
Housing material		PA
Sensing face		PA
Degree of protection		IP68 / IP69K
Mass		225 g
Note		Tightening torque: 1.8 Nm (housing)