

Link do produktu: <https://automatyka.mjmkielce.pl/czujnik-ultradzwiekowy-ppf-ub400-f77-e2-v31-p-86001.html>

## CZUJNIK ULTRADŹWIĘKOWY PPF UB400-F77-E2-V31

Cena	<b>849,00 zł</b>
Numer katalogowy	<b>26039</b>
Kod EAN	<b>26039</b>
Producent	<b>PEPPERL+FUCHS</b>

### Opis produktu

### Dane techniczne

Rodzaj (typ producenta)	UB400-F77-E2-V31
Minimalne napięcie zasilania	20 V/DC
Maksymalne napięcie zasilania	30 V/DC
Maksymalna odległość przełączania	400 mm
Zasilanie (zakres)	20 - 30 V/DC
Wyjście czujnika	PNP, Zamykający
Złącze czujnika	M8, 4 pin
Temperatura minimalna	-25 °C
Temperatura maksymalna	+70 °C
Stopień ochrony IP	

### Dane techniczne UB400-F77-E2-V31

#### Opis produktu

Ultrasonic direct detection sensor

#### General specifications

Sensing range	25 ... 400 mm
Adjustment range	40 ... 400 mm
Dead band	0 ... 25 mm
Standard target plate	20 mm x 20 mm
Transducer frequency	approx. 300 kHz
Nominal ratings	
Time delay before availability	≤ 150 ms
Limit data	
Permissible cable length	max. 300 m
Indicators/operating means	
LED yellow	switching state and flashing: Teach-In
Electrical specifications	
Rated operating voltage	24 V DC
Operating voltage	20 ... 30 V DC , ripple 10 % <sub>SS</sub> ; 12 ... 20 V DC sensitivity reduced to 90 %
No-load supply current	≤ 20 mA
Input	
Input type	1 program input
Level	low level : 0 ... 0.7 V (Teach-In active)

		high level : $U_B$ or open input (Teach-In inactive)
Input impedance		16 k $\Omega$
Pulse length		$\geq 3$ s
Output		
Output type		1 switch output PNP, NO
Rated operating current		200 mA , short- circuit/overload protected
Voltage drop		$\leq 2$ V
Switch-on delay		$\leq 75$ ms
Repeat accuracy		$\pm 1$ mm
Switching frequency		5 Hz
Range hysteresis		typ. 4 mm
Off-state current		$\leq 0.01$ mA
Temperature influence		+ 0.17 %/K
Compliance with standards and directives		
Standard conformity	Standards	EN 60947-5-2:2007+ A1:2012 IEC 60947-5-2:2007 + A1:2012
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CCC approval		CCC approval / marking not required for products rated $\leq 36$ V
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Shock resistance		30 g , 11 ms period
Vibration resistance		10 ... 55 Hz , Amplitude $\pm 1$ mm
Mechanical specifications		
Connection type		M8 x 1 connector , 4-pin
Degree of protection		IP67
Material	Housing	Polycarbonate
	Transducer	epoxy resin/hollow glass sphere mixture; polyurethane foam
Installation position		any position
Mass		10 g
Tightening torque, fastening screws		max. 0.2 Nm