TECHNICAL DATA SHEET

PEPPERL+FUCHS

130228

ULTRASONIC SENSOR
TYPE: UB500-18GM75-E6-V15
RANGE: 30-500 MM
RESPONSE DELAY APPROX. 50 MS
PEPPERL+FUCHS
PART NO.130228



General specifications	
Sensing range	**30 ... 500 mm**
Adjustment range	**50 ... 500 mm**
Dead band	**0 ... 30 mm**
Standard target plate	**100 mm x 100 mm**
Transducer frequency	**approx. 380 kHz**
Response delay	**approx. 50 ms**

Electrical specifications	
Operating voltage UB	**10 ... 30 V DC , ripple 10 %SS**
No-load supply current I0	**≤ 50 mA**

Input	
Input type	**1 program input, operating range 1: -UB ... +1 V, operating range 2: +4 V ... +UB input impedance: > 4.7 kΩ; program pulse: ≥ 1 s**

Output	
Output type	**2 switch outputs PNP, NO/NC, programmable**
Rated operating current Ie	**2 x 100 mA , short-circuit/overload protected**
Voltage drop Ud	**≤ 3 V**
Repeat accuracy	**≤ 1 %**
Switching frequency f	**max. 8 Hz**
Range hysteresis H	**1 % of the set operating distance**
Temperature influence	**± 1.5 % of full-scale value**

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

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Mechanical specifications	
Connection type	**Connector M12 x 1 , 5-pin**
Degree of protection	**IP67**
Material Housing	**brass, nickel-plated**
Mass	**60 g**

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