

Ultrasonic sensor label fork USG-003

Dietz
Sensortechnik

- Application packaging
- Detection of transparent labels



Technical data

Fork width	3 mm
Fork depth	69 mm
Output	PNP and NPN
Function digital output	NO/NC programmable
Connection	male connector M8, 4-pins
Setting-up	numeric potentiometer
Housing material	Zinc alloy
Lens material	PC
Accuracy	+/- 0.20 mm at 120 m/min
Label length	> 2 mm
Distance between labels	> 2 mm
Passing speed of object	< 180 m/min
Type of output signal	Discrete
Output type	Solid state
Status LED	1 LED (yellow) for output state 1 LED (red) for adjustment mode and keypad locking
(Us) rated supply voltage	12...24 VDC with reverse polarity protection
Supply voltage limits	10-30 VDC
Switching capacity in mA	< 100 mA (overload and short-circuit protection)
Clock frequency	< 1500 Hz
Voltage drop	< 2 V (closed state)
Delay first up	< 30 ms
Delay response	< 0,3 ms
Delay recovery	< 0,3 ms
Ambient air temperature for operation	5...55 °C
Ambient air temperature for storage	-20...70 °C
Vibration resistance	7 g, amplitude = +/- 1.5 mm (f=10...55 Hz)
Shock resistance	30 g (Duration = 11 ms)
Protection class	IP 65