



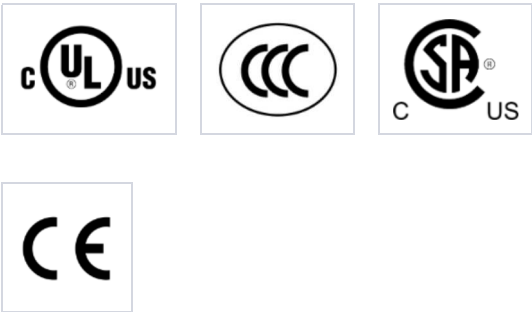
T30UXDC

T30UX SERIES TEMP COMPENSATION ULTRASONIC SENSOR



T30UX Series w/ Discrete Output
Range: 300 mm to 3 m; Input: 10 to 30V dc
Output: NPN PNP NO NC selectable
2 m (6.5 ft) Cable
Part Number: 80458

CERTIFICATIONS



SPECIFICATIONS

Sensing Mode (General)	Proximity
Sensing Mode (Detailed)	Time of Flight
Housing Style	Barrel
Primary Housing Material	PBT
Indicator	LED(s)
Analog Resolution/Discrete Repeatability	0.1% of distance (1.5 mm min.)

Minimum Sensing Distance (mm)	300
Sensing Beam	Ultrasonic
Power Supply	10-30 V dc
Delay at Power-up (ms)	500
Adjustments	Teach Button
Temperature Effect (mm/°C)	0.02% of sensing distance/°C
Connection	Cable
QD Type/Cable Length	2 m
Number of Pins	4
Vibration	MIL-STD-202F req. Method 201A (vibration:10 to 60Hz max., double amplitude 0.06", max acc. 10G).
Mechanical Shock	IEC 60947-5-2 requirements: 30G 11 ms duration, half sine wave
Output Saturation Voltage NPN Outputs	< 1.6 V at 100 mA
Output Saturation Voltage PNP Outputs	< 3 V at 100 mA
Max Discrete (Switched) Output (mA)	100
Discrete (Switched) Outputs	1 NPN/PNP Configurable
Output Protection	Protected against short circuit conditions
IP Rating	IP67
NEMA Rating	NEMA 6
Max Operating Temperature (°C)	70
Min Operating Temperature (°C)	-40
Max Op. Relative Humidity Non-Condensing (%)	95 at 50°C
Warm-up Time (minutes)	15
Minimum Response Time (ms)	135
Rep Rate (ms)	45

Minimum Window Size (mm)	10
Remote Teach and Laser Control Input Impedence	55 k Ω
Discrete Output Hysteresis (mm)	4
Ultrasonic Frequency (kHz)	114
Max Off-state Leakage Current (μA)	NPN: < 200 at 30 V dc; PNP: < 10 at 30 V dc
Power/Current Consumption (exclusive of load)	40 mA
Supply Protection Circuitry	Protected against reverse polarity and transient overvoltages
Feature: Remote Teach	Yes
Feature: Clear Object Detection	Yes
Feature: Timing (Hold/Delay)	No
Feature: Chemical Resistant	No
Application: Ultrasonic	Yes
IO Link	No
Wireless	No
Input/Output	Discrete



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