

Cylindrical Ultrasonic Sensors

18GM60 Series Diffuse Mode Sensors



Common Technical Data

Housing design	cylindrical
Type of output	PNP
Switching element function	Normally-open/normally-closed (selectable)
Type of voltage	DC
Operating voltage (min)	10 V
Operating voltage (max)	30 V
Connection type	M12 connector plug
Housing diameter D	18 mm
UL	■
e1 type approval	■

For detailed data and description, see the datasheet. Further products can be found online at www.pepperl-fuchs.com.

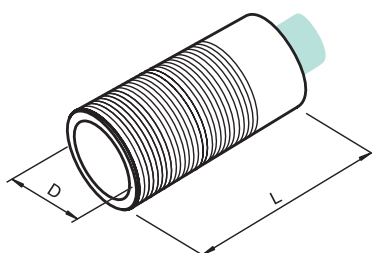
Model Number	Design	Detection Range	Dead Band	Response Time [ms]	Switching Frequency	Length L
UB300-18GM60-E5-V1-M	Straight head	300 mm	35 mm	50 ms	13 Hz	51 mm
UB300-18GM60A-E5-V1-M	Angled head	300 mm	35 mm	50 ms	13 Hz	69 mm
UB800-18GM60-E5-V1-M	Straight head	800 mm	50 mm	100 ms	4 Hz	51 mm
UB800-18GM60A-E5-V1-M	Angled head	800 mm	50 mm	100 ms	4 Hz	69 mm

Highlights

- Different sensing ranges for different object distances

Brief Description

The 18GM60 ultrasonic diffuse mode sensor has proven itself in a number of applications. The five different output stages mean that it can be used for a wide variety of purposes. The teach-in input and temperature compensation are added bonuses. E1 type approval means that the sensor is also suitable for automotive engineering.



Accessories

BF 18	Mounting adapter, 18 mm
BF 18-F	Plastic mounting adapter, 18 mm
BF 5-30	Universal mounting bracket for cylindrical sensors with a diameter of 5 mm ... 30 mm
OMH-04	Mounting bracket for circular profiles ø 12 mm or flat profiles 1.5 mm ... 3 mm
UB-PROG2	Programming unit
V1-G-2M-PVC	Single-ended female cordset, M12, straight, A-coded, 4-pin, PVC cable, gray
V1-W-2M-PUR	Single-ended female cordset, M12, angled, A-coded, 4-pin, PUR cable, gray