

18GM75 Series Diffuse Mode Sensor



Standard Technical Data

Design	Cylindrical
Voltage type	DC
Operating voltage (max)	30 V
Connection type	M12 connector plug
Housing diameter D	18 mm
CSA	■
UL	■

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

Model number	Version	Detection range [mm]	Dead band	Output type	Switching function	Re- sponse delay [ms]	Switch- ing frequen- cy [Hz]	UB (min)	Length L	EAC
UB500-18GM75-E01-V15	Straight head	500	30	2 * NPN, NPN	Normally open/close selectable	50	8	10	85	
UB500-18GM75-E23-V15	Straight head	500	30	2 * PNP, PNP	Normally open/close selectable	50	8	10	85	
UB500-18GM75-E4-V15	Straight head	500	30	NPN	Normally open/close selectable	50	8	10	85	
UB500-18GM75-E5-V15	Straight head	500	30	PNP	Normally open/close selectable	50	8	10	85	■
UB500-18GM75-E6-V15	Straight head	500	30	2 * PNP, PNP	Normally open/close selectable	50	8	10	85	
UB500-18GM75-E7-V15	Straight head	500	30	2 * NPN, NPN	Normally open/close selectable	50	8	10	85	
UB500-18GM75-I-V15	Straight head	500	30	Analog current output	Analog	50		10	85	
UB500-18GM75-U-V15	Straight head	500	30	Analog voltage output	Analog	50		15	85	
UB1000-18GM75-E01-V15	Straight head	1000	70	2 * NPN, NPN	Normally open/close selectable	125	3	10	75	
UB1000-18GM75-E23-V15	Straight head	1000	70	2 * PNP, PNP	Normally open/close selectable	125	3	10	75	
UB1000-18GM75-E4-V15	Straight head	1000	70	NPN	Normally open/close selectable	125	3	10	75	
UB1000-18GM75-E5-V15	Straight head	1000	70	PNP	Normally open/close selectable	125	3	10	75	
UB1000-18GM75-E6-V15	Straight head	1000	70	2 * PNP, PNP	Normally open/close selectable	125	3	10	75	
UB1000-18GM75-E7-V15	Straight head	1000	70	2 * NPN, NPN	Normally open/close selectable	125	3	10	75	
UB1000-18GM75-F-V15	Straight head	1000	80	Frequency output		150		10	75	
UB1000-18GM75-I-V15	Straight head	1000	70	Analog current output	Analog	125		10	75	
UB1000-18GM75-U-V15	Straight head	1000	70	Analog voltage output	Analog	125		15	75	
UB1000-18GM75A-E5-V15	Angled head	1000	70	PNP	Normally open/close selectable	125	3	10	102.5	
UB1000-18GM75A-I-V15	Angled head	1000	70	Analog current output	Analog	125		10	102.5	

Highlights

- Different sensing ranges for different object distances
- Adjustable sound beam increases range of possible sensor applications
- Output variability in the series enables a wide variety of automation solutions

Brief Description

The 18GM75 ultrasonic diffuse mode sensor has proven itself in a multitude of applications. The width of the sound beam can be easily adapted to any detection situation. In addition, the synchronization option avoids cross-talk between sensors that are installed close together, guaranteeing a reliable measurement function.

Accessories

BF 18	Mounting adapter, 18 mm
BF 18-F	Plastic mounting adapter, 18 mm
BF 5-30	Universal mounting bracket for cylindrical sensors
M18K-VE	Plastic nuts with centering ring
MHW 11	Mounting bracket for sensors
OMH-04	Mounting aid for circular profile \varnothing 12 mm or flat profile
UB-PROG2	Programming unit
UB-PROG3	Programming unit

