

18GM40 Series

Thru-Beam Sensor and 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.

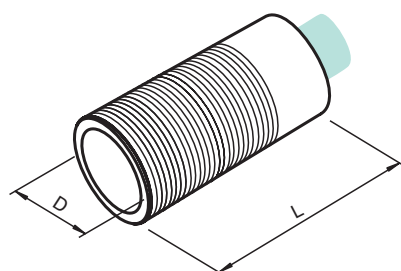
Model number	Version	Detection range [mm]	Dead band	Output type	Switching function	Re-sponse delay [ms]	Switching frequency [Hz]	UB (min)	Length L	EAC
UB300-18GM40-E4-V1	Straight head	300	35	NPN	Normally open/close selectable	50	13	10	40	■
UB300-18GM40-E5-V1	Straight head	300	35	PNP	Normally open/close selectable	50	13	10	40	
UB300-18GM40-I-V1	Straight head	300	35	Analog current output	Analog	50		10	40	
UB300-18GM40-U-V1	Straight head	300	35	Analog voltage output	Analog	50		15	40	
UB300-18GM40A-E4-V1	Angled head	300	35	NPN	Normally open/close selectable	50	13	10	57	
UB300-18GM40A-E5-V1	Angled head	300	35	PNP	Normally open/close selectable	50	13	10	57	
UB300-18GM40A-I-V1	Angled head	300	35	Analog current output	Analog	50		10	40	
UB300-18GM40A-U-V1	Angled head	300	35	Analog voltage output	Analog	50		15	40	
UB800-18GM40-E4-V1	Straight head	800	50	NPN	Normally open/close selectable	100	4	10	40	■
UB800-18GM40-E5-V1	Straight head	800	50	PNP	Normally open/close selectable	100	4	10	40	■
UB800-18GM40-I-V1	Straight head	800	50	Analog current output	Analog	100		10	40	
UB800-18GM40-U-V1	Straight head	800	50	Analog voltage output	Analog	100		15	40	
UB800-18GM40A-E4-V1	Angled head	800	50	NPN	Normally open/close selectable	100	4	10	57	
UB800-18GM40A-E5-V1	Angled head	800	50	PNP	Normally open/close selectable	100	4	10	57	
UB800-18GM40A-I-V1	Angled head	800	50	Analog current output	Analog	100		10	57	
UB800-18GM40A-U-V1	Angled head	800	50	Analog voltage output	Analog	100		15	57	
UBE1000-18GM40-SE2-V1	Straight head	1000		PNP	Normally-open (NO)		100	10	40	
UBE1000-18GM40A-SE2-V1	Angled head	1000		PNP	Normally-open (NO)		100	10	40	

Highlights

- Wide variety of integration options through special design and graduated detection areas
- Different output versions offer flexible solutions for measuring or switching applications
- IP67 degree of protection for maximum reliability and availability under tough operational conditions

Brief Description

The 18GM40 series of thru-beam sensors and diffuse mode sensors are the ideal solution for tough installation conditions. Their extremely short design saves space, while the versions with right-angled ultrasonic transducers offer an additional level of freedom during integration, such as in profiles or angled machine structures. Their application areas are just as demanding and varied: They can count bottles in filling lines, detect containers on waste collection vehicles, and much more besides.



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
OMH-04	Mounting aid for circular profile \varnothing 12 mm or flat profile
UB-PROG2	Programming unit
UVW90-K18	Ultrasonic deviation reflector
V1-G-2M-PVC	Single-ended female cordset, M12, 4-pin, PVC cable