

UB-30GM Series

Thru-Beam Sensor and Diffuse Mode Sensor



Standard Technical Data

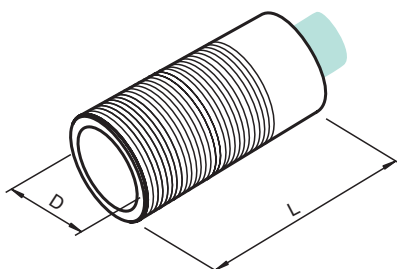
Version	Straight head
Design	Cylindrical
Voltage type	DC
Operating voltage (max)	30 V
CSA	■
UL	■

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

Model number	Detection range [mm]	Dead band	Output type	Switching function	Response delay [ms]	Switching frequency [Hz]	UB (min)	Connection type	Length L	Diameter D	EAC
UB500-30GM-E4-V15	500	30	NPN	Normally open/close selectable	50	10	10	M12 connector plug	94	30	
UB500-30GM-E5-V15	500	30	PNP	Normally open/close selectable	50	10	10	M12 connector plug	94	30	■
UB500-30GM-H3-V1	500	30	Pulse output, PNP				10	M12 connector plug	80	30	
UB2000-30GM-E4-V15	2000	80	NPN	Normally open/close selectable	150	3	10	M12 connector plug	94	30	
UB2000-30GM-E5-V15	2000	80	PNP	Normally open/close selectable	150	3	10	M12 connector plug	94	30	■
UB2000-30GM-H3	2000	80	Pulse output, PNP				10	Fixed cable	80	30	
UB2000-30GM-H3-V1	2000	80	Pulse output, PNP				10	M12 connector plug	80	30	
UB4000-30GM-E4-V15	4000	200	NPN	Normally open/close selectable	325	2	10	M12 connector plug	108	40	
UB4000-30GM-E5-V15	4000	200	PNP	Normally open/close selectable	325	2	10	M12 connector plug	108	40	■
UB4000-30GM-H3-V1	4000	200	Pulse output, PNP				10	M12 connector plug	93	40	
UB6000-30GM-E4-V15	6000	350	NPN	Normally open/close selectable	650	1	10	M12 connector plug	112	73	
UB6000-30GM-E5-V15	6000	350	PNP	Normally open/close selectable	650	1	10	M12 connector plug	112	73	
UB6000-30GM-H3-V1	6000	350	Pulse output, PNP				10	M12 connector plug	102	74	
UBE4000-30GM-SA2-V15	4000		2 * PNP, PNP	Normally open/close selectable		15	18	M12 connector plug	90	40	

Highlights

- Sensing ranges in practical graduation for a variety of detection applications
- Synchronization and IP65 degree of protection for outstanding operational reliability
- High degree of vibration resistance for use in harsh and mobile applications



Brief Description

UB-30GM series diffuse mode sensors are easy to adjust via the teach-in input. They can be synchronized to guarantee impressive detection and switching reliability even in installation situations with multiple ultrasonic sensors. The sensors are extremely robust and vibration-resistant, and deliver reliable measurements at all times while resisting interference such as compressed air. The diversity of detection ranges makes this series the ideal solution for monitoring bulk goods in silos of varying sizes, for example.

Accessories

BF 30	Mounting adapter, 30 mm
BF 30-F	Plastic mounting adapter, 30 mm
BF 5-30	Universal mounting bracket for cylindrical sensors
M30K-VE	Plastic nuts with centering ring for vibration-decoupled mounting of cylindrical sensors
UB-PROG2	Programming unit
UVW90-K30	Ultrasonic deviation reflector
UVW90-M30	Ultrasonic deviation reflector
V1-G-2M-PVC	Single-ended female cordset, M12, 4-pin, PVC cable