

Technical Data

*For detailed data and product description refer to the data sheets at **www.pepperl-fuchs.com***

General Data	
Operating voltage	10 ... 30 V DC , ripple 10 $\%_{SS}$
No-load supply current	≤ 50 mA
Rated operational current	2 x 100 mA , short-circuit/overload protected
Input type	1 program input,
LED yellow	indication of the switching state flashing: program function object detected
LED red	"Error", object uncertain in program function: No object detected
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Material	
Housing	brass, nickel-plated
Transducer	epoxy resin/hollow glass sphere mixture; foam polyurethane, cover PBT
Protection degree	IP65
Connection type	Device connector M12 x 1 , 5-pin



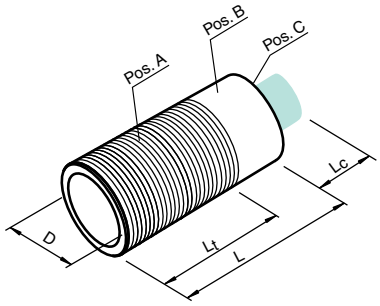
Model Number		UB500-18GM75-E6-V15	UB500-18GM75-E7-V15	UB1000-18GM75-E6-V15	UB1000-18GM75-E7-V15
Sensing range	30 ... 500 mm	●	●		
	70 ... 1000 mm			●	●
Transducer frequency	approx. 380 kHz	●	●		
	approx. 255 kHz			●	●
Output type	2 switch outputs NPN, normally open/ closed , programmable		●		●
	2 switch outputs PNP, NO/NC, program-mable	●		●	
Switching frequency	max. 8 Hz	●	●		
	max. 3 Hz			●	●
Approvals and Certificates					
UL approval	cULus Listed, General Purpose	●	●	●	●
CSA approval	cCSAus Listed, General Purpose	●	●	●	●
Dimensions					
Length L [mm]		75			
Diameter D [mm]		18			
Thread length l_t [mm]		48			
Connector area l_c [mm]		10			
LED position		Pos. C			

Properties

- 500 mm and 1000 mm sensing range versions
- DC, 2 switching outputs
- Ø18 mm cylindrical housing
- Connector version

Your Benefit

- Dual outputs, either both N.O. or N.C.
- Ultra bright rear-view LEDs
- Flexible configuration via Teach-wire or UB-PROG3 pushbutton



Accessories

This and more accessories can be found in chapter 3.5 from page 676
See pages from 974 ... for cordsets
See pages 1074 ... for mounting aids

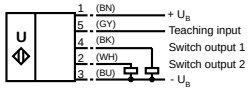
UB-PROG3	Programming unit
OMH-04	Mounting aid for round steel ø 12 mm or sheet 1.5 mm ... 3 mm
BF 18	Mounting flange, 18 mm
BF 18-F	Mounting flange with dead stop, 18 mm
BF 5-30	Universal mounting bracket for cylindrical sensors with a diameter of 5 ... 30 mm
UVW90-K18	Ultrasonic -deflector
V15-G-2M-PVC	Cable socket, M12, 5-pin, PVC cable
V15-W-2M-PUR	Cable socket, M12, 5-pin, PUR cable

Electrical Connection



UB500-18GM75-E6-V15
UB1000-18GM75-E6-V15

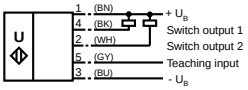
Standard symbol/Connections:
(version E6, pnp)



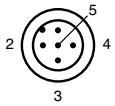
Core colours in accordance with EN 60947-5-2.

UB500-18GM75-E7-V15
UB1000-18GM75-E7-V15

Standard symbol/Connections:
(version E7, npn)



Core colours in accordance with EN 60947-5-2.



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)
5	GY	(gray)

Date of issue 07/30/2012