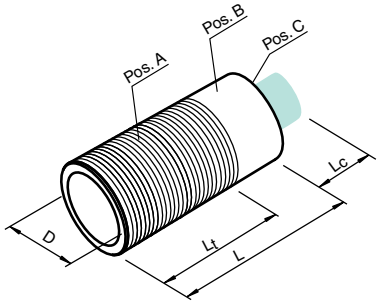


Properties

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

Your Benefit

- Ultra bright rear-view LEDs
- Flexible configuration via Teach-wire or UB-PROG2 pushbutton



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	200 mA , short-circuit/overload protected
Input type	1 program input,
Synchronization	1 synchronous connection, bi-directional
LED yellow	indication of the switching state flashing: program function object detected
LED red	permanently red: Error red, flashing: program function, object not 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-E4-V15	UB500-18GM75-E5-V15	UB1000-18GM75-E4-V15	UB1000-18GM75-E5-V15
Sensing range	30 ... 500 mm	●	●		
	70 ... 1000 mm			●	●
Transducer frequency	approx. 380 kHz	●	●		
	approx. 255 kHz			●	●
Output type	1 switch output NPN Normally open/ closed , programmable	●		●	
	1 switch output PNP Normally open/ closed , programmable		●		●
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			

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

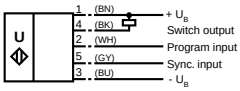
UB-PROG2	Programming unit
OMH-04	Mounting aid for round steel ø 12 mm or sheet 1.5 mm ... 3 mm
BF 18	Mounting flange, 18 mm
BF 18-F	Mounting flange with dead stop, 18 mm
BF 5-30	Universal mounting bracket for cylindrical sensors with a diameter of 5 ... 30 mm
UVW90-K18	Ultrasonic -deflector
V15-G-2M-PVC	Cable socket, M12, 5-pin, PVC cable
V15-W-2M-PUR	Cable socket, M12, 5-pin, PUR cable

Electrical Connection



UB500-18GM75-E4-V15
UB1000-18GM75-E4-V15

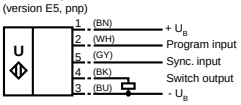
Standard symbol/Connections:
(version E4, npn)



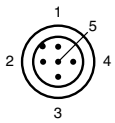
Wire colors in accordance with EN 60947-5-2.

UB500-18GM75-E5-V15
UB1000-18GM75-E5-V15

Standard symbol/Connections:
(version E5, pnp)



Wire colors 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)

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Consider the General Notes on the Information in the Pepperl+Fuchs Product Catalogs
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