

Properties

- Up to 6000 mm sensing range versions
- DC, switching output
- Ø30 mm cylindrical housing
- Connector version

Your Benefit

- Teach-wire or UB-PROG2 pushbutton configurable

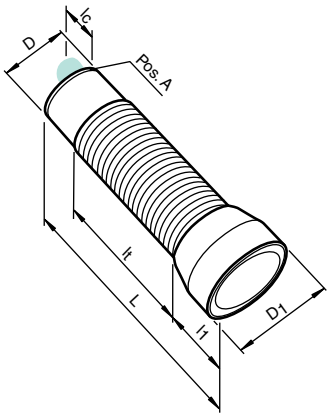
Technical Data

*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	bi-directional
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Material	
Housing	nickel plated brass; plastic components: PBT
Transducer	epoxy resin/hollow glass sphere mixture; polyurethane foam
Protection degree	IP65
Connection type	Device connector M12 x 1 , 5-pin

Model Number		UB500-30GM-E4-V15	UB500-30GM-E5-V15	UB2000-30GM-E4-V15	UB2000-30GM-E5-V15	UB4000-30GM-E4-V15	UB4000-30GM-E5-V15	UB6000-30GM-E4-V15	UB6000-30GM-E5-V15
Sensing range	30 ... 500 mm	●	●						
	80 ... 2000 mm			●	●				
	200 ... 4000 mm					●	●		
	350 ... 6000 mm							●	●
Transducer frequency	approx. 380 kHz	●	●						
	approx. 180 kHz			●	●				
	approx. 85 kHz					●	●		
	approx. 65 kHz							●	●
Output type	1 switch output NPN , Normally open/closed , programmable	●		●		●		●	
	1 switch output PNP , Normally open/closed , programmable		●		●		●		●
Approvals and Certificates									
UL approval	cULus Listed, General Purpose	●	●	●	●	●	●	●	●
CSA approval	cCSAus Listed, General Purpose	●	●	●	●	●	●	●	●

Dimensions				
Length L [mm]	94		108	112
Diameter D [mm]	30			
Transducer diameter D_1 [mm]	30		40	73
Transducer length l_1 [mm]	0		25	32,5
Thread length l_t [mm]	72		61	57,5
Connector area l_c [mm]	10			
LED position	Pos. A			



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

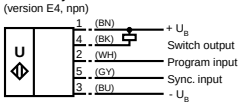
BF 30	Mounting flange, 30 mm
BF 30-F	Mounting flange with dead stop, 30 mm
BF 5-30	Universal mounting bracket for cylindrical sensors with a diameter of 5 ... 30 mm
UB-PROG2	Programming unit
V15-G-2M-PVC	Cable socket, M12, 5-pin, PVC cable
UVW90-M30	Ultrasonic -deflector
V15-W-2M-PUR	Cable socket, M12, 5-pin, PUR cable
UVW90-K30	Ultrasonic -deflector

Electrical Connection



UB500-30GM-E4-V15
UB4000-30GM-E4-V15
UB2000-30GM-E4-V15
UB6000-30GM-E4-V15

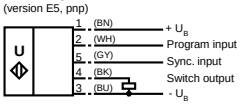
Standard symbol/Connections:
(version E4, npn)



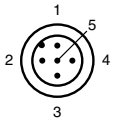
Wire colors in accordance with EN 60947-5-2.

UB2000-30GM-E5-V15
UB6000-30GM-E5-V15
UB4000-30GM-E5-V15
UB500-30GM-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)

Date of issue: 07/30/2012

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

Pepperl+Fuchs Group www.pepperl-fuchs.com
USA: +1 330 486 0001 fa-info@us.pepperl-fuchs.com
Germany: +49 621 776-4411 fa-info@de.pepperl-fuchs.com
Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com
PEPPERL+FUCHS SENSING YOUR NEEDS