

Technical Data

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

General Data	
No-load supply current	≤ 55 mA
Deviation of the characteristic curve	± 1 % of full-scale value
Input type	1 program input
Synchronization	1 synchronous input
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Material	
Housing	ABS
Transducer	epoxy resin/hollow glass sphere mixture; polyurethane foam
Protection degree	IP65
Connection type	Device connector M12 x 1 , 5-pin



Model Number		UB500-F54-I-V15	UB500-F54-U-V15	UB2000-F54-I-V15	UB2000-F54-U-V15
Sensing range	30 ... 500 mm	●	●		
	80 ... 2000 mm			●	●
Transducer frequency	approx. 380 kHz	●	●		
	approx. 175 kHz			●	●
Operating voltage	10 ... 30 V DC , ripple 10 %$_{SS}$	●		●	
	15 ... 30 V DC , ripple 10 %$_{SS}$		●		●
Output type	1 analog output 0 ... 10 V		●		●
	1 analog output 4 ... 20 mA	●		●	
Resolution	0.11 mm		●		
	0.13 mm	●			
	0.47 mm				●
	0.5 mm			●	
Approvals and Certificates					
UL approval	cULus Listed, General Purpose	●	●	●	●
CSA approval	cCSAus Listed, General Purpose	●	●	●	●

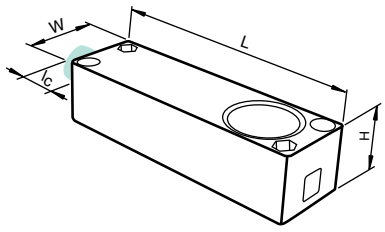
Dimensions	
Length L [mm]	105
Width W [mm]	32
Height H [mm]	25
Connector area l_c [mm]	15

Properties

- 500 mm and 2000 mm sensing range versions
- DC, analog output
- Surface mount F54 housing
- Connector version

Your Benefit

- Low mounting profile



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

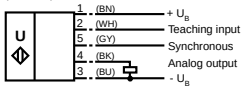
UB-PROG2	Programming unit
V15-G-2M-PVC	Cable socket, M12, 5-pin, PVC cable
V15-W-2M-PUR	Cable socket, M12, 5-pin, PUR cable

Electrical Connection



UB500-F54-I-V15
UB2000-F54-I-V15

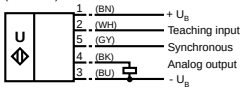
Standard symbol/Connections:
(version I)



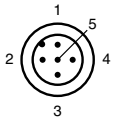
Core colours in accordance with EN 60947-5-2.

UB500-F54-U-V15
UB2000-F54-U-V15

Standard symbol/Connections:
(version U)



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