



## Technical Data

For detailed data and product description refer to the data sheets at [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com)

<b>Model Number</b>	<b>UBH60/30-12GM-U-V1</b>
Measurement range	object thickness (d) : 0 ... 30 mm
Transducer frequency	approx. 850 kHz
Operating voltage	15 ... 30 V DC , ripple 10 % <sub>SS</sub>
No-load supply current	≤ 30 mA
Output type	1 analog output 0 ... 10 V
Resolution	0.17 mm
Deviation of the characteristic curve	± 1 % of full-scale value
Input type	1 function input
LED yellow	solid: object in evaluation range
LED red	solid 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	IP67
Connection type	Device connector M12 x 1 , 4-pin



## Approvals and Certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose

## Dimensions

Length L [mm]	64
Diameter D [mm]	12
Thread length l <sub>t</sub> [mm]	41
Connector area l <sub>c</sub> [mm]	6
LED position	Pos. B

## Accessories

This and more accessories can be found in chapter 3.5 from page 673  
See pages from 972 ... for cordsets See pages 1068 ... for mounting aids

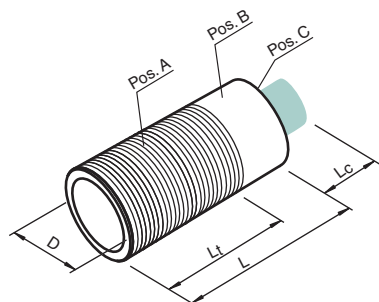
<b>BF 5-30</b>	Universal mounting bracket for cylindrical sensors with a diameter of 5 ... 30 mm
<b>BF 12</b>	Mounting flange, 12 mm
<b>BF 12-F</b>	Mounting flange with dead stop, 12 mm
<b>V1-G-2M-PVC</b>	Cable socket, M12, 4-pin, PVC cable
<b>V1-W-2M-PUR</b>	Cable socket, M12, 4-pin, PUR cable

## Properties

- 0 ... 30 mm high accuracy height measurement
- DC, analog output
- Ø12 mm cylindrical housing
- Connector version

## Your Benefit

- High-resolution thickness measurement
- Temperature compensation activated upon power-up

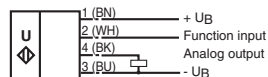


## Electrical Connection

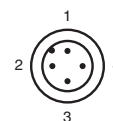


UBH60/30-12GM-U-V1

Standard symbol/Connections:



Core 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)