



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

Technical Data

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

Model Number	UBH60/30-12GM-U-V1
Measurement range	object thickness (d) : 0 ... 30 mm
Transducer frequency	approx. 850 kHz
Operating voltage	15 ... 30 V DC, ripple 10 % _{SS}
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	brass, nickel-plated
Housing	epoxy resin/hollow glass sphere mixture; foam polyurethane, cover PBT
Transducer	IP67
Protection degree	Device connector M12 x 1, 4-pin
Connection type	



Approvals and Certificates

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

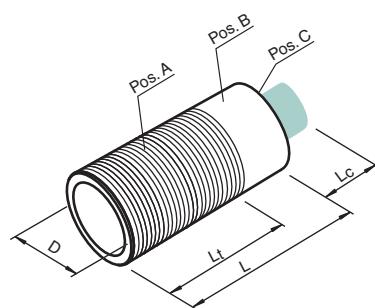
Dimensions

Length L [mm]	64
Diameter D [mm]	12
Thread length l _t [mm]	41
Connector area l _c [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

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

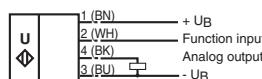


Electrical Connection

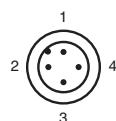
UBH60/30-12GM-U-V1



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)