



## Properties

- 250 mm sensing range
- DC, switching output
- Ø12 mm cylindrical housing
- Connector version

## Your Benefit

- PTFE-coated transducer and 316L stainless steel barrel for maximum chemical resistance
- 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](http://www.pepperl-fuchs.com)

<b>Model Number</b>	UBC250-12GM-E5-V1
Sensing range	30 ... 250 mm
Transducer frequency	approx. 310 kHz
Operating voltage	10 ... 30 V DC, ripple 10 % <sub>SS</sub>
No-load supply current	≤ 30 mA
Output type	1 switch output PNP Normally open/closed, programmable
Rated operational current	100 mA, short-circuit/overload protected
Switching frequency	≤ 8 Hz
Input type	1 program input
Ambient temperature	0 ... 70 °C (32 ... 158 °F)
Material	
Housing	Stainless steel 1.4435 / AISI 316L
Transducer	O-ring for cover sealing: EPDM
Protection degree	PTFE (diaphragm surface)
Connection type	IP68 / IP69K
	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]	65
Diameter D [mm]	12
Cap diameter D <sub>1</sub> [mm]	15
Thread length l <sub>t</sub> [mm]	41
Cap length l <sub>1</sub> [mm]	12
Connector area l <sub>c</sub> [mm]	7.5

## 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

### UB-PROG2

Programming unit

### 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

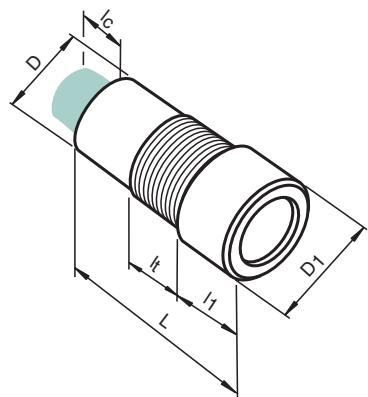
Mounting flange with dead stop, 12 mm

### V1-G-2M-PVC

Cable socket, M12, 4-pin, PVC cable

### V1-W-2M-PUR

Cable socket, M12, 4-pin, PUR cable

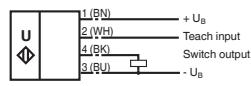


## Electrical Connection

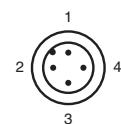
UBC250-12GM-E5-V1



Standard symbol/Connections:  
(version E5, pnp)



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)