



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

Model Number	UBC250-12GM-E5-V1
Sensing range	30 ... 250 mm
Transducer frequency	approx. 310 kHz
Operating voltage	10 ... 30 V DC, ripple 10 % _{SS}
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 O-ring for cover sealing: EPDM
Transducer	PTFE (diaphragm surface)
Protection degree	IP68 / IP69K
Connection type	Device connector M12 x 1, 4-pin



Approvals and Certificates

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

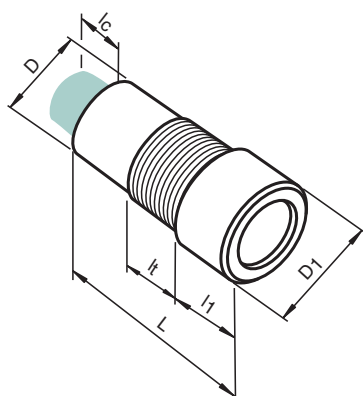
Dimensions

Length L [mm]	65
Diameter D [mm]	12
Cap diameter D ₁ [mm]	15
Thread length l _t [mm]	41
Cap length l ₁ [mm]	12
Connector area l _c [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

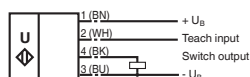


Electrical Connection

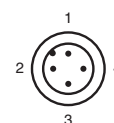


UBC250-12GM-E5-V1

Standard symbol/Connections:
(version ES, 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)