



Properties

- 400 mm sensing range
- DC, analog output
- Ø18 mm cylindrical housing
- Connector version

Your Benefit

- Short barrel length for space-restricted mounting
- PTFE-coated transducer and 316L stainless steel barrel for maximum chemical resistance
- Flexible configuration via Teach-wire or UB-PROG2 pushbutton

Technical Data

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

Model Number	UBC400-18GH40-I-V1
Sensing range	40 ... 400 mm
Transducer frequency	approx. 255 kHz
Operating voltage	10 ... 30 V DC, ripple 10 % _{SS}
No-load supply current	≤ 20 mA
Output type	1 analog output 4 ... 20 mA, short-circuit/overload protected
Resolution	0.4 mm at max. sensing range
Deviation of the characteristic curve	± 1 % of full-scale value
Input type	1 program input lower evaluation limit A1: -U _B ... +1 V, upper evaluation limit A2: +4 V ... +U _B input impedance: > 4.7 kΩ, pulse duration: ≥ 1 s
Ambient temperature	0 ... 70 °C (32 ... 158 °F)
Material	
Housing	Stainless steel 1.4435 / AISI 316L O-ring for cover sealing: EPDM
Transducer	PTFE
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

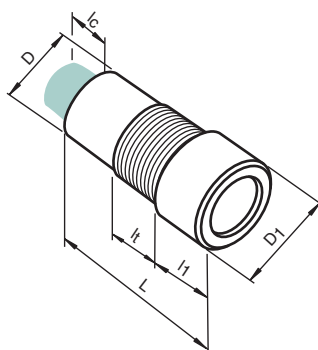
Dimensions

Length L [mm]	43
Diameter D [mm]	18
Head diameter D ₁ [mm]	22
Head length l ₁ [mm]	13
Thread length l _t [mm]	15
Connector area l _c [mm]	10

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
OMH-04	Mounting aid for round steel ø 12 mm or sheet 1.5 mm ... 3 mm
BF 18	Mounting flange, 18 mm
BF 18-F	Mounting flange with dead stop, 18 mm
BF 5-30	Universal mounting bracket for cylindrical sensors with a diameter of 5 ... 30 mm
V1-G-2M-PVC	Cable socket, M12, 4-pin, PVC cable
V1-W-2M-PUR	Cable socket, M12, 4-pin, PUR cable

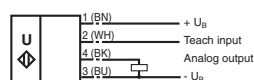


Electrical Connection

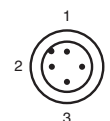


UBC400-18GH40-I-V1

Standard symbol/Connections:
(version I)



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)