



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 |
| 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 |

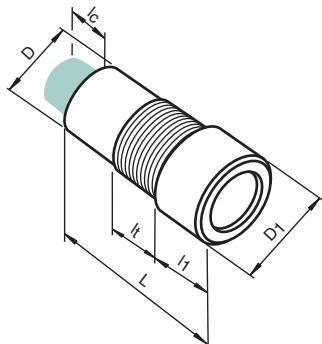
Dimensions

| | |
|------------------------------------|----|
| 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 |

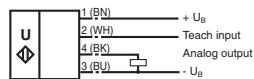


Electrical Connection

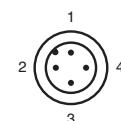
UBC400-18GH40-I-V1



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) |