



## Properties

- Ø18 mm housing, angled head
- 1000 mm sensing range
- DC, 3-wire switching output
- Connector version

## 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>	<b>UBE1000-18GM40A-SE2-V1</b>
Sensing range	15 ... 1000 mm
Transducer frequency	approx. 255 kHz
Operating voltage	10 ... 30 V DC, ripple 10 % <sub>SS</sub>
No-load supply current	≤ 20 mA
Output type	PNP, NO
Rated operational current	200 mA, short-circuit/overload protected
Switching frequency	≤ 100 Hz
Input type	1 program input free air path: -U <sub>B</sub> ... +1 V, object: +6 V ... +U <sub>B</sub> input impedance: > 4,7 kΩ program pulse: ≥ 1 s
LED green	Power on
LED yellow	switching state
LED red	error, object uncertain
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
<b>Material</b>	
Housing	brass, nickel-plated
Transducer	epoxy resin/hollow glass sphere mixture; foam polyurethane, cover PBT
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]	57.7
Diameter D [mm]	18
Transducer length l <sub>t</sub> [mm]	18.5
Thread length l <sub>t</sub> [mm]	24.5
Connector area l <sub>c</sub> [mm]	10
LED position	Pos. C

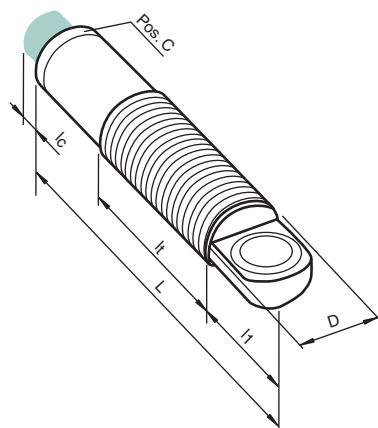
## Accessories

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

<b>UB-PROG2</b>	Programming unit
<b>OMH-04</b>	Mounting aid for round steel ø 12 mm or sheet 1.5 mm ... 3 mm
<b>BF 18</b>	Mounting flange, 18 mm
<b>BF 18-F</b>	Mounting flange with dead stop, 18 mm
<b>BF 5-30</b>	Universal mounting bracket for cylindrical sensors with a diameter of 5 ... 30 mm
<b>V1-G-2M-PVC</b>	Cable socket, M12, 4-pin, PVC cable
<b>V1-W-2M-PUR</b>	Cable socket, M12, 4-pin, PUR cable



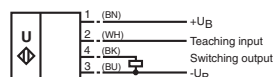
## Electrical Connection



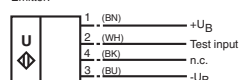
UBE1000-18GM40A-SE2-V1

Standard symbol/Connection:  
(version E2, pnp)

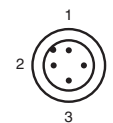
Receiver:



Emitter:



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)