



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

Model Number	UBE1000-18GM40A-SE2-V1
Sensing range	15 ... 1000 mm
Transducer frequency	approx. 255 kHz
Operating voltage	10 ... 30 V DC, ripple 10 %SS
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 _B ... +1 V, object: +6 V ... +U _B 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)
Material	brass, nickel-plated
Housing	epoxy resin/hollow glass sphere mixture; foam polyurethane, cover PBT
Transducer	IP67
Protection degree	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 ₁ [mm]	18.5
Thread length l ₂ [mm]	24.5
Connector area l _c [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

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

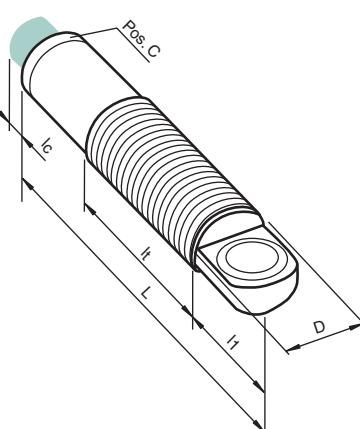
Universal mounting bracket for cylindrical sensors with a diameter of 5 ... 30 mm

V1-G-2M-PVC

Cable socket, M12, 4-pin, PVC cable

V1-W-2M-PUR

Cable socket, M12, 4-pin, PUR cable



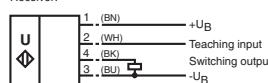
Electrical Connection

UBE1000-18GM40A-SE2-V1



Standard symbol/Connection:
(version E2, pnp)

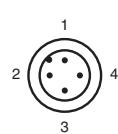
Receiver:



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)

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