Technical Data

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

Model Number	UBE4000-30GM-SA2-V15
Sensing range	0 ... 4000 mm , distance emitter-receiver 500 mm ... 4000 mm
Transducer frequency	85 kHz
Operating voltage	18 ... 30 V DC , ripple 10 %$_{SS}$
No-load supply current	35 mA emitter 25 mA receiver
Output type	2 switch outputs PNP, normally open/closed (complementary)
Rated operational current	200 mA
Switching frequency	≤ 15 Hz
LED green	alignment aid OFF: no ultrasonic signal flashing: uncertain area ON: positive reception
LED yellow	switching state
Ambient temperature	0 ... 60 °C (32 ... 140 °F)
Material	
Housing	nickel plated brass; plastic components: PBT
Protection degree	IP65
Connection type	Device connector M12 x 1 , 5-pin

Approvals and Certificates

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

Dimensions

Length L [mm]	90
Diameter D [mm]	30
Transducer diameter D_1 [mm]	40
Transducer length l_1 [mm]	25
Thread length l_t [mm]	43
Connector area l_c [mm]	10
LED position	Pos. A

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

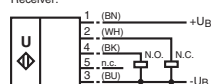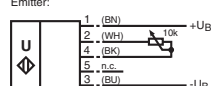| FP100	Remote potentiometer
BF 30	Mounting flange, 30 mm
BF 5-30	Universal mounting bracket for cylindrical sensors with a diameter of 5 ... 30 mm
V1-G-2M-PVC	Cable socket, M12, 4-pin, PVC cable
V1-W-2M-PVC	Cable socket, M12, 4-pin, PVC cable

Properties

- Ø30 mm housing
- 4 m sensing range
- DC, 4-wire complementary switching outputs
- Connector version
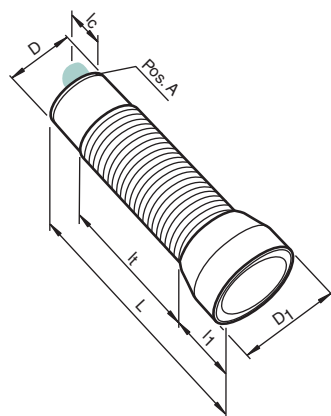
Electrical Connection

UBE4000-30GM-SA2-V15

Standard symbol/Connection:
(version A2, pnp)

Receiver:

```
1  (BN)        +U_B
2  (WH)
4  (BK)    N.O.   N.C.
5  n.c.
3  (BU)        -U_B
```

Emitter:

```
1  (BN)        +U_B
2  (WH)   10k
4  (BK)
5  n.c.
3  (BU)        -U_B
```

Core colours in accordance with EN 60947-5-2.
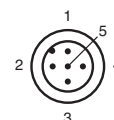
Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
2	WH	(white)
3	BU	(blue)
4	BK	(black)
5	GY	(gray)

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