

Technical Data

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

General Data	
Operating voltage	10 ... 30 V DC , ripple 10 %$_{SS}$
No-load supply current	≤ 50 mA
Interface type	RS 232, 9600 Bit/s , no parity, 8 data bits, 1 stop bit
Rated operational current	200 mA , short-circuit/overload protected
Synchronization	bi-directional
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Material	
Housing	stainless steel (1.4305 / AISI 303), PBT plastic parts
Transducer	epoxy resin/hollow glass sphere mixture; polyurethane foam
Protection degree	IP65
Connection type	Device connector M12 x 1 , 5-pin



Model Number		UC500-30GM-E6R2-V15	UC500-30GM-E7R2-V15	UC2000-30GM-E6R2-V15	UC2000-30GM-E7R2-V15	UC4000-30GM-E6R2-V15	UC4000-30GM-E7R2-V15	UC6000-30GM-E6R2-V15	UC6000-30GM-E7R2-V15
Sensing range	30 ... 500 mm	●	●						
	80 ... 2000 mm			●	●				
	200 ... 4000 mm					●	●		
	350 ... 6000 mm							●	●
Transducer frequency	approx. 380 kHz	●	●						
	approx. 180 kHz			●	●				
	approx. 85 kHz					●	●		
	approx. 65 kHz							●	●
Output type	2 switch outputs NPN, NO/NC, programmable		●		●		●		●
	2 switch outputs PNP, NO/NC, programmable	●		●		●		●	
Switching frequency	≤ 0.5 Hz							●	●
	≤ 1 Hz					●	●		
	≤ 2.5 Hz			●	●				
	≤ 7 Hz	●	●						
Approvals and Certificates									
UL approval	cULus Listed, General Purpose	●	●	●	●	●	●	●	●
CSA approval	cCSAus Listed, General Purpose	●	●	●	●	●	●	●	●

Dimensions				
Length L [mm]	94		108	112
Diameter D [mm]	30			
Transducer diameter D_1 [mm]	30		40	73
Transducer length l_1 [mm]	0		25	32,5
Thread length l_t [mm]	72		61	57,5
Connector area l_c [mm]	10			
LED position	Pos. A			
Temperature / program plug	Pos. A , 27,5 mm			

Properties

- **Up to 6000 mm sensing range versions**
- **DC, 2 switching outputs**
- **Ø30 mm cylindrical housing**
- **Connector version**

Your Benefit

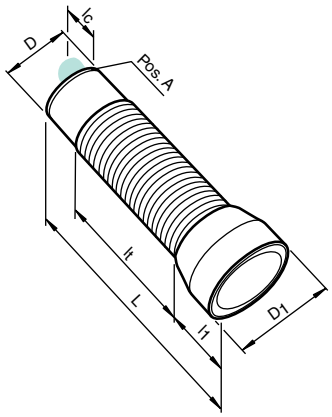
- **Potentiometer-free configuration via programming plug or ULTRA3000 software**

Further Products

In this series, we offer the following additional products:

UCC1000-30GM-E6R2-V15

Technical data like UC2000-30GM-E6R2-V15 but:
Sensing range: 1000 mm
Transducer: chemical resistant PTFE coated



Accessories

This and more accessories can be found in chapter 3.5 from page 676
See pages from 974 ... for cordsets
See pages 1074 ... for mounting aids

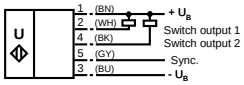
BF 30	Mounting flange, 30 mm
UC-30GM-R2	Programming cable
ULTRA3000	Software for ultrasonic sensors, comfort line
UVW90-M30	Ultrasonic -deflector
V15-G-2M-PVC	Cable socket, M12, 5-pin, PVC cable
V15-W-2M-PUR	Cable socket, M12, 5-pin, PUR cable

Electrical Connection



UC500-30GM-E7R2-V15
UC2000-30GM-E7R2-V15
UC4000-30GM-E7R2-V15
UC6000-30GM-E7R2-V15

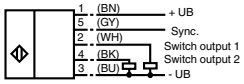
Standard symbol/Connection:
(version E7, npn)



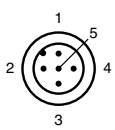
Core colors in accordance with EN 60947-5-2.

UC500-30GM-E6R2-V15
UC2000-30GM-E6R2-V15
UC4000-30GM-E6R2-V15
UC6000-30GM-E6R2-V15
UCC1000-30GM-E6R2-V15

Standard symbol/Connection:
(version E6, pnp)



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)
5	GY	(gray)

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