



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
No-load supply current	≤ 50 mA
Interface type	Serial interface (programming adapter required) 9600 BPS, no parity, 8 data bits, 1 stop bit
Rated operational current	200 mA , short-circuit/overload protected
Input type	1 program input
Input/output type	1 synchronization connection, bidirectional
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Material	
Housing	PA-GF35
Transducer	epoxy resin/hollow glass sphere mixture; polyurethane foam
Protection degree	IP67
Connection type	Device connector M12 x 1 , 5-pin



Properties

- Up to 4000 mm sensing range versions
- DC, switching output
- Compact *VariKont-L* housing
- Connector version

Your Benefit

- High-visibility corner LEDs
- Pushbutton and PACTware configurable
- 5-way, quick pivot sensing face

Model Number

		UC500-L2-E4-V15	UC500-L2-E5-V15	UC2000-L2-E4-V15	UC2000-L2-E5-V15	UC4000-L2-E4-V15	UC4000-L2-E5-V15
Sensing range	35 ... 500 mm	●	●				
	60 ... 2000 mm			●	●		
	200 ... 4000 mm					●	●
Transducer frequency	approx. 380 kHz	●	●				
	approx. 175 kHz			●	●		
	approx. 85 kHz					●	●
Output type	1 switch output E4, NPN, NO/NC, programmable	●		●		●	
	1 switch output E5, PNP NO/NC, programmable		●		●		●
Switching frequency	≤ 14 Hz	●	●				
	≤ 5 Hz			●	●		
	≤ 2.8 Hz					●	●

Approvals and Certificates

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

Dimensions

Length L [mm]	67
Width W [mm]	40
Height H [mm]	40

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

PACTware 3.6

PACTware 4.X

Ultraschall-Sensoren DTM

UC-PROG1

V15-G-2M-PVC

V15-W-2M-PUR

UB-PROG2

Microsoft .NET

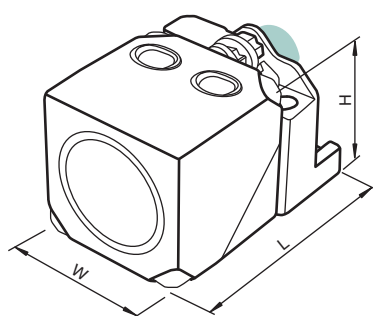
DTM devices for communication with cube style and UMC... sensors

Programming adapter

Cable socket, M12, 5-pin, PVC cable

Cable socket, M12, 5-pin, PUR cable

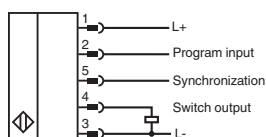
Programming unit



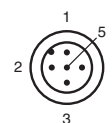
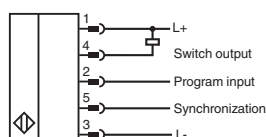
Electrical Connection



UC500-L2-E5-V15
UC2000-L2-E5-V15
UC4000-L2-E5-V15



UC2000-L2-E4-V15
UC500-L2-E4-V15
UC4000-L2-E4-V15



Wire colors in accordance with EN 60947-5-2

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



Properties

- Up to 4000 mm sensing range versions
- DC, 2 switching outputs
- Compact VariKont-L housing
- Connector version

Your Benefit

- High-visibility corner LEDs
- Pushbutton and PACTware configurable
- 5-way, quick pivot sensing face

Technical Data

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No-load supply current	≤ 50 mA
Interface type	Serial interface (programming adapter required) 9600 BPS, no parity, 8 data bits, 1 stop bit
Rated operational current	200 mA, short-circuit/overload protected
Input/output type	1 synchronization connection, bidirectional
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Material	
Housing	PA-GF35
Transducer	epoxy resin/hollow glass sphere mixture; polyurethane foam
Protection degree	IP67
Connection type	Device connector M12 x 1, 5-pin



Model Number	UC500-L2-E6-V15	UC500-L2-E7-V15	UC2000-L2-E6-V15	UC2000-L2-E7-V15	UC4000-L2-E6-V15	UC4000-L2-E7-V15
Sensing range	35 ... 500 mm	60 ... 2000 mm	200 ... 4000 mm			
Transducer frequency	approx. 380 kHz	approx. 175 kHz	approx. 85 kHz			
Output type	2 switch outputs NPN, NO/NC, programmable	2 switch outputs PNP, NO/NC, programmable				
Switching frequency	≤ 14 Hz	≤ 5 Hz	≤ 2.8 Hz			

Approvals and Certificates

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

Dimensions

Length L [mm]	67
Width W [mm]	40
Height H [mm]	40

Accessories

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See pages from 972 ... for cordsets See pages 1068 ... for mounting aids

PACTware 3.6

PACTware 4.X

Ultraschall-Sensoren DTM

UC-PROG1

V15-G-2M-PVC

V15-W-2M-PUR

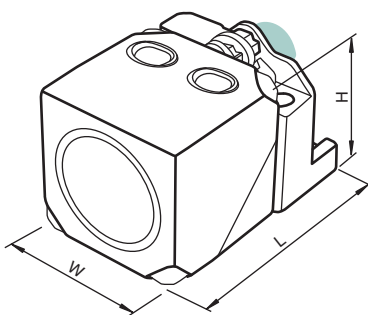
Microsoft .NET

DTM devices for communication with cube style and UMC... sensors

Programming adapter

Cable socket, M12, 5-pin, PVC cable

Cable socket, M12, 5-pin, PUR cable

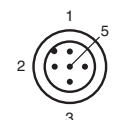
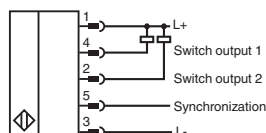
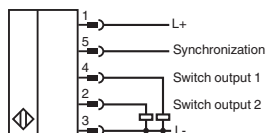


Electrical Connection



UC2000-L2-E6-V15
UC500-L2-E6-V15
UC4000-L2-E6-V15

UC500-L2-E7-V15
UC4000-L2-E7-V15
UC2000-L2-E7-V15



Wire colors in accordance with EN 60947-5-2

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

Date of issue: 04/08/2015



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General Data

No-load supply current	≤ 50 mA
Interface type	Serial interface (programming adapter required) 9600 BPS, no parity, 8 data bits, 1 stop bit
Deviation of the characteristic curve	≤ 0.2 % of full-scale value
Input type	1 program input
Input/output type	1 synchronization connection, bidirectional
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Material	
Housing	PA-GF35
Transducer	epoxy resin/hollow glass sphere mixture; polyurethane foam
Protection degree	IP67
Connection type	Device connector M12 x 1, 5-pin



Properties

- Up to 4000 mm sensing range versions
- DC, analog output
- Compact VariKont-L housing
- Connector version

Your Benefit

- High-visibility corner LEDs
- Pushbutton and PACTware configurable
- 5-way, quick pivot sensing face

Model Number

		UC500-L2-I-V15	UC2000-L2-I-V15	UC4000-L2-I-V15	UC500-L2-U-V15	UC2000-L2-U-V15	UC4000-L2-U-V15
Sensing range	green = preferred type						
	35 ... 500 mm	●			●		
	60 ... 2000 mm		●			●	
	200 ... 4000 mm			●			●
Transducer frequency	approx. 380 kHz	●			●		
	approx. 175 kHz		●			●	
	approx. 85 kHz			●			●
Operating voltage	10 ... 30 V DC	●	●	●			
	12 ... 30 V DC				●	●	●
Output type	1 analog output 4 ... 20 mA	●	●	●			
	1 analog output 0 ... 10 V				●	●	●
Resolution	Evaluation range [mm]/3200, but ≥ 0.05 mm	●					
	Evaluation range [mm]/3200, but ≥ 0.4 mm		●	●			
	evaluation range [mm]/4000, but ≥ 0.05 mm				●		
	evaluation range [mm]/4000, but ≥ 0.4 mm					●	●

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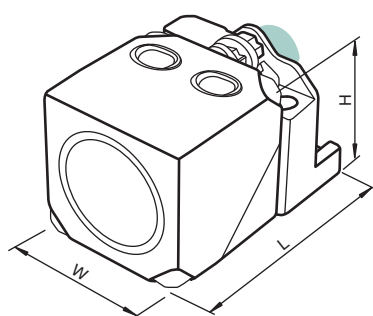
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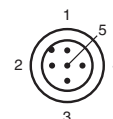
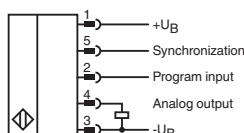
PACTware 3.6	Frame application
PACTware 4.X	Frame application
Ultraschall-Sensoren DTM	DTM devices for communication with cube style and UMC... sensors
UC-PROG1	Programming adapter
V15-G-2M-PVC	Cable socket, M12, 5-pin, PVC cable
V15-W-2M-PUR	Cable socket, M12, 5-pin, PUR cable
UB-PROG2	Programming unit
Microsoft .NET	Software



Electrical Connection



UC500-L2-I-V15
UC2000-L2-I-V15
UC4000-L2-I-V15
UC500-L2-U-V15
UC2000-L2-U-V15
UC4000-L2-U-V15



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