

Features

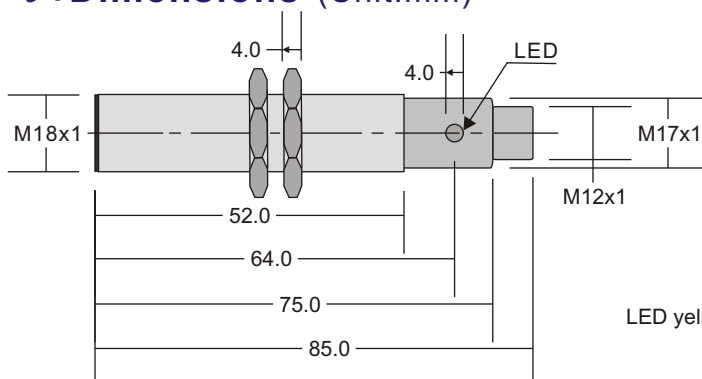
- Analogue output 4 ~ 20mA
- Measuring window adjustable
- TEACH-IN input
- Synchronisation options
- Deactivation option
- Temperature compensation
- Very small unusable area



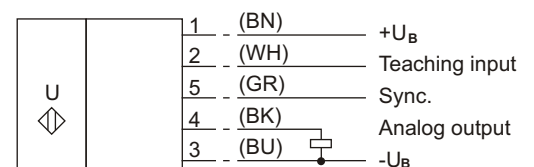
Specifications

Type		PP-M18-500-I	PP-M18-500-V
Analog output		4~20mA	0~10V
General specifications	Sensing range	30 ~ 500 mm	
	Adjustment range	50 ~ 500 mm	
	Unusable area	0 ~ 30 mm	
	Standard target plate	100 x 100 mm	
	Transducer frequency	Approx. 380 KHz	
	Response delay	Approx. 50 ms	
Indicators/ operating means	LED yellow	Permanently yellow : object in the evaluation range yellow, flashing : TEACH-IN function, object detected	
	LED red	Permanently red : Error red, flashing : TEACH-IN function, object not detected	
Electrical specifications	Operating voltage	10 ~ 30 VDC, ripple 10% ss	
	No-load supply current	≤45mA	
Input/Output	Synchronisation	1 synchronisation input, bi-directional 0-level : -U _B ~ +1V; 1-level : +4V ~ +U _B input impedance : > 12KΩ synchronisation pulse : ≥ 100 μs, synchronisation interpulse period : ≥ 2ms	
Synchronisation frequency	Common mode operation	≤ 95Hz	
	Multiplex operation	≤ 95/n Hz, n = number of sensors	
Input	Input type	1 TEACH-IN input Lower evaluation limit A1 : -U _B ...+1V, upper evaluation limit A2 : +4V...+U _B input impedance : > 4.7KΩ, pulse duration : ≥ 1s	
Output	Output type	1 analogue output 4 ~ 20 mA	
	Deviation of the characteristic curve	± 1% of full-scale value	
	Repeat accuracy	± 0.1% of full-scale value	
	Resolution	0.13 mm for max. detection range	
	Load impedance	0 ~ 300 Ohm	
	Temperature influence	± 1.5% of full-scale value	
Ambient conditions	Ambient temperature	-25 ~ 70°C	
	Storage temperature	-40 ~ 85°C	
Mechanical specifications	Protection degree	IP 65	
	Connection type	connector V15 (M12x1), 5 pin	
Material	Housing	brass, nickel plated	
	Transducer	Epoxy resin/hollow glass sphere mixture; polyurethane foam	
	Mass	60 g	

Dimensions (Unit:mm)



Standard symbol/Connection :



Connector :

