

Technical Data

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

General Data	
Light type	modulated infrared light
Diameter of the light spot	2 m at a distance of 100 m
Interface type	PROFIBUS, galvanically isolated
Operating voltage	18 ... 30 V DC
No-load supply current	200 mA
Data rate	93.75; 187.5;(350); 500;1500 kBit/s , adjustable
Function input	Keylock, internal Pull-up resistor keypad locked with 0 V
Pre-fault indication output	1 PNP (switches if there is sufficient stability control) short-circuit protected, max. 200 mA
Housing	ABS / PC
Optical face	plastic
Protection degree	IP65
Connection	4-pin, M12x1 connector, standard (supply) , 5-pin, M12x1 connector, B-coded (Bus In) , 5-pin, M12x1 socket, B-coded (Bus Out/Termination)



Model Number		LS610-DA-P/F1	LS610-DA-P/F1/146	LS610-DA-P/F2	LS610-DA-P/F2/146	LS610-DA-P/F1/35	LS610-DA-P/F2/35
Threshold detection range	140 m	●	●	●	●		
	260 m					●	●
Effective detection range	0 ... 120 m	●	●	●	●		
	0 ... 240 m					●	●
Operation frequency	F1 = 8.25 MHz	●	●			●	
	F2 = 12.5 MHz			●	●		●
Ambient temperature	-10 ... 50 °C (14 ... 122 °F)	●		●		●	●
	-30 ... 50 °C (-22 ... 122 °F) , For use in dry cold		●		●		

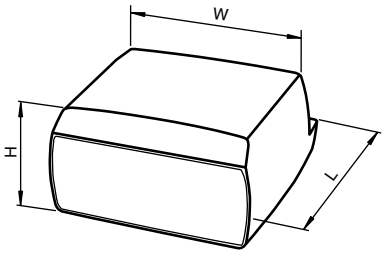
Dimensions	
Length L [mm]	171
Width W [mm]	170
Height H [mm]	90

Properties

- PROFIBUS interface
- Data rate up to 1.5 MBaud
- Connector version
- Infrared light

Your Benefit

- Integral alignment aid LED simplifies setup
- Easy installation due to quick clamp tool-less mounting
- LED bar display indicates signal strength



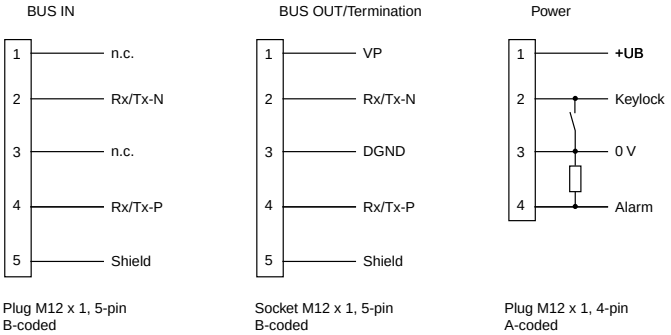
Accessories

This and more accessories can be found in chapter 10
See pages from 974 ... for cordsets See pages 1074 ... for mounting aids

OMH-LS610-05	Mounting bracket for optical data coupler and distance measurement devices
ICZ-TR-V15B	Terminal resistor for PROFIBUS
V15SB-G	Cable connector, M12, for PROFIBUS, adjustable
V15B-G	Cable socket, M12, for PROFIBUS, adjustable
V15-G-PG9	Cable socket, M12, 5-pin, ready for assembly
Funktionserdung LS610/ VDM100 Zubehoer	Function grounding for LS610 / LS611 / VDM100 series
Schutzkappe LS610 Zubehoer	M12 protective cap set (connector + socket) for series LS610 / LS611
OMH-LS610-01	Mounting bracket for optical data coupler
OMH-LS610-03	Mounting bracket with deviation mirror for optical data coupler
OMH-LS610-02	Direct mounting set consisting of 4 x M4 threaded inserts
OMH-LS610-04	
OMH-LS610-31	Mounting bracket for optical data coupler and distance measurement devices
OMH-LS610-32	Mounting bracket for optical data coupler and distance measurement devices

Electrical Connection





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