

Technical Data

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

General Data	
Object distance	max. 6 mm
Switching element function	analog, current or voltage output
Operating voltage	18 ... 30 V DC
Reverse polarity protected	✔
Analog outputs	
Output type	1 current output: 4 ... 20 mA 1 voltage output: 0 ... 10 V
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Material	
Housing	PA 6 / AL
Target	mild steel, e. g. 1.0037, SR235JR (formerly St37-2)
Protection degree	IP65
Connection type	connector M12 x 1, 4-pin



Model Number		PMI210-F110-IU-V1	PMI360-F110-IU-V1	PMI510-F110-IU-V1	PMI810-F110-IU-V1
Measurement range	0 ... 210 mm	●			
	0 ... 360 mm		●		
	0 ... 510 mm			●	
	0 ... 810 mm				●
No-load supply current	≤ 40 mA	●	●		
	≤ 65 mA			●	
	≤ 70 mA				●
Linearity error	± 0.4 mm	●	●		
	± 0.6 mm			●	
	± 0.8 mm				●
Resolution	210 µm	●			
	360 µm		●		
	550 µm			●	
	950 µm				●
Approvals and Certificates					
UL approval	cULus Listed, General Purpose, Class 2 Power Source	●	●	●	●
CCC approval	Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval.				

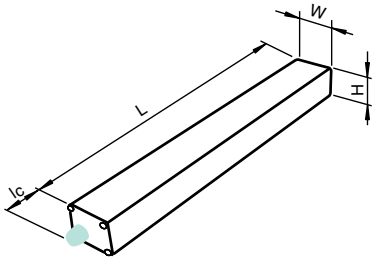
Dimensions				
Length L [mm]	250	400	550	850
Width W [mm]	41			
Height H [mm]	30,5			
Connector area l_c [mm]	17			

Properties

- F110 housing style
- Up to 810 mm measuring range
- Current or voltage analog output
- Fixed setting

Your Benefit

- Non-contact position measurement
- Position proportional analog value
- Up to 6 mm reading distance
- No specialized targets or magnets needed



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

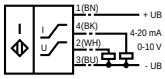
BT-F110-G	Damping element for F110 housing sensors; front screw holes
BT-F110-W	Damping element for F110 housing sensors; lateral screw holes
V1-G-2M-PVC	Cable socket, M12, 4-pin, PVC cable
V1-W-2M-PVC	Cable socket, M12, 4-pin, PVC cable
MH-F110	Mounting bracket for mounting F110 series sensors

Electrical Connection

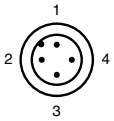


PMI210-F110-IU-V1
PMI360-F110-IU-V1
PMI510-F110-IU-V1
PMI810-F110-IU-V1

IU



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)

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Consider the General Notes on the Information in the Pepperl+Fuchs Product Catalogs
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