

Properties

- 2 axes measurement
- 30° and 360° measurement range versions
- Analog and switching outputs
- Cable and connector versions

Technical Data

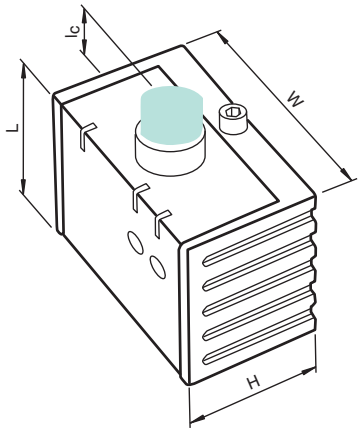
*For detailed data and product description refer to the data sheets at **www.pepperl-fuchs.com***

General Data	
Type	Inclination sensor, 2-axis
Operating voltage	10 ... 30 V DC
No-load supply current	≤ 25 mA
Switch output	
Output type	2 switching outputs PNP, NO , reverse polarity and short-circuit protected
Operating current	≤ 100 mA
Analog output	
Output type	2 current outputs 4 ... 20 mA (one output for each axis)
Load resistor	0 ... 200 Ω at U_B = 10 ... 18 V 0 ... 500 Ω at U_B = 18 ... 30 V
Ambient temperature	-40 ... 85 °C (-40 ... 185 °F)
Housing material	PA
Protection degree	IP68 / IP69K

Model Number		INY360D-F99-2I2E2-5M	INY030D-F99-2I2E2-5M	INY360D-F99-2I2E2-V17	INY360D-F99-2I2E2-V17
Measurement range	0 ... 360 °	●		●	
	-15 ... 15 °		●		●
Absolute accuracy	≤ ± 0.5 °	●		●	
	≤ ± 0.2 °		●		●
Resolution	≤ 0.1 °	●		●	
	≤ 0.01 °		●		●
Connection type	8-pin, M12 x 1 connector			●	●
	5 m, PUR cable 7 x 0.5 mm²	●	●		

Approvals and Certificates			
CSA approval	cCSAus 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.	●	●
e1 Type approval	2006/28/EG	●	●

Dimensions		
Length L [mm]	44	
Width W [mm]	65	
Height H [mm]	37	
Connector area l_c [mm]	22	18.5



Accessories

This and more accessories can be found in chapter 10

See pages from 974 ... for cordsets See pages 1074 ... for mounting aids

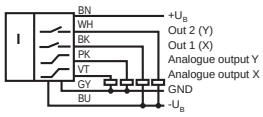
V17-G-2M-PUR	Cable socket, M12, 8-pin, shielded, PUR cable
V17-G-5M-PUR	Cable socket, M12, 8-pin, shielded, PUR cable
V17-G-10M-PUR	Cable socket, M12, 8-pin, shielded, PUR cable
V17-G-10M-PVC ABG	Cable socket, M12, 8-pin, shielded, PVC cable

Electrical Connection



INY030D-F99-2I2E2-5M
INY360D-F99-2I2E2-5M

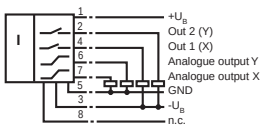
Standard symbol/Connection:

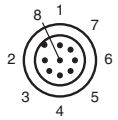




INY360D-F99-2I2E2-V17
INY030D-F99-2I2E2-V17

Standard symbol/Connection:





Wire colors

1	WH	(white)
2	BN	(brown)
3	GN	(green)
4	YE	(yellow)
5	GY	(gray)
6	PK	(pink)
7	BU	(blue)
8	RD	(red)

Ausgabedatum: 30.07.2012

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