

## 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 |
| Measurement range | 0 ... 360 ° |
| Absolute accuracy | ≤ ± 0.5 ° |
| Resolution | ≤ 0.1 ° |
| Operating voltage | 10 ... 30 V DC |
| No-load supply current | ≤ 25 mA |
| Switch output | |
| Output type | 2 switch outputs PNP, NO , reverse polarity protected , short-circuit protected |
| Operating current | ≤ 100 mA |
| Analog output | |
| Output type | 2 voltage outputs 0 ... 5 V (one output for each axis) |
| Load resistor | ≥ 1 kΩ |
| Ambient temperature | -40 ... 85 °C (-40 ... 185 °F) |
| Housing material | PA |
| Protection degree | IP68 / IP69K |

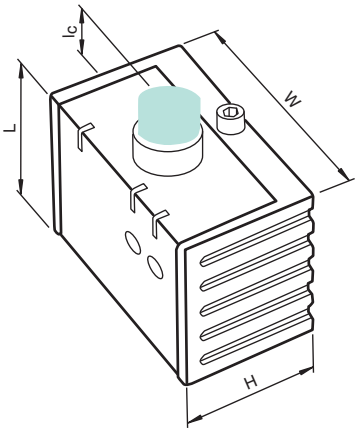
| Model Number | | INY360D-F99-2U2E2-5M | INY360D-F99-2U2E2-V17 |
|---|---|---|---|
| Connection type | 8-pin, M12 x 1 connector | | ● |
| | 5 m, PUR cable 7 x 0.5 mm² | ● | |

| 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 |

## Properties

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




## Accessories

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

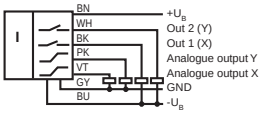
| | |
|---|---|
| **V17-G-2M-PUR** | Cable socket, M12, 8-pin, shielded, PUR cable |
| **V17-G-5M-PUR** | Cable socket, M12, 8-pin, shielded, PUR cable |
| **V17-G-10M-PUR** | Cable socket, M12, 8-pin, shielded, PUR cable |
| **V17-G-10M-PVC ABG** | Cable socket, M12, 8-pin, shielded, PVC cable |

## Electrical Connection



INY360D-F99-2U2E2-5M

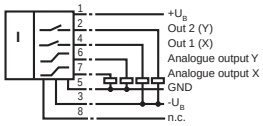
**Standard symbol/Connection:**

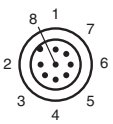





INY360D-F99-2U2E2-V17

**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) |



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