



## D-MP, Actuator Position Sensor D-MP050B

### Datasheet

### General series information

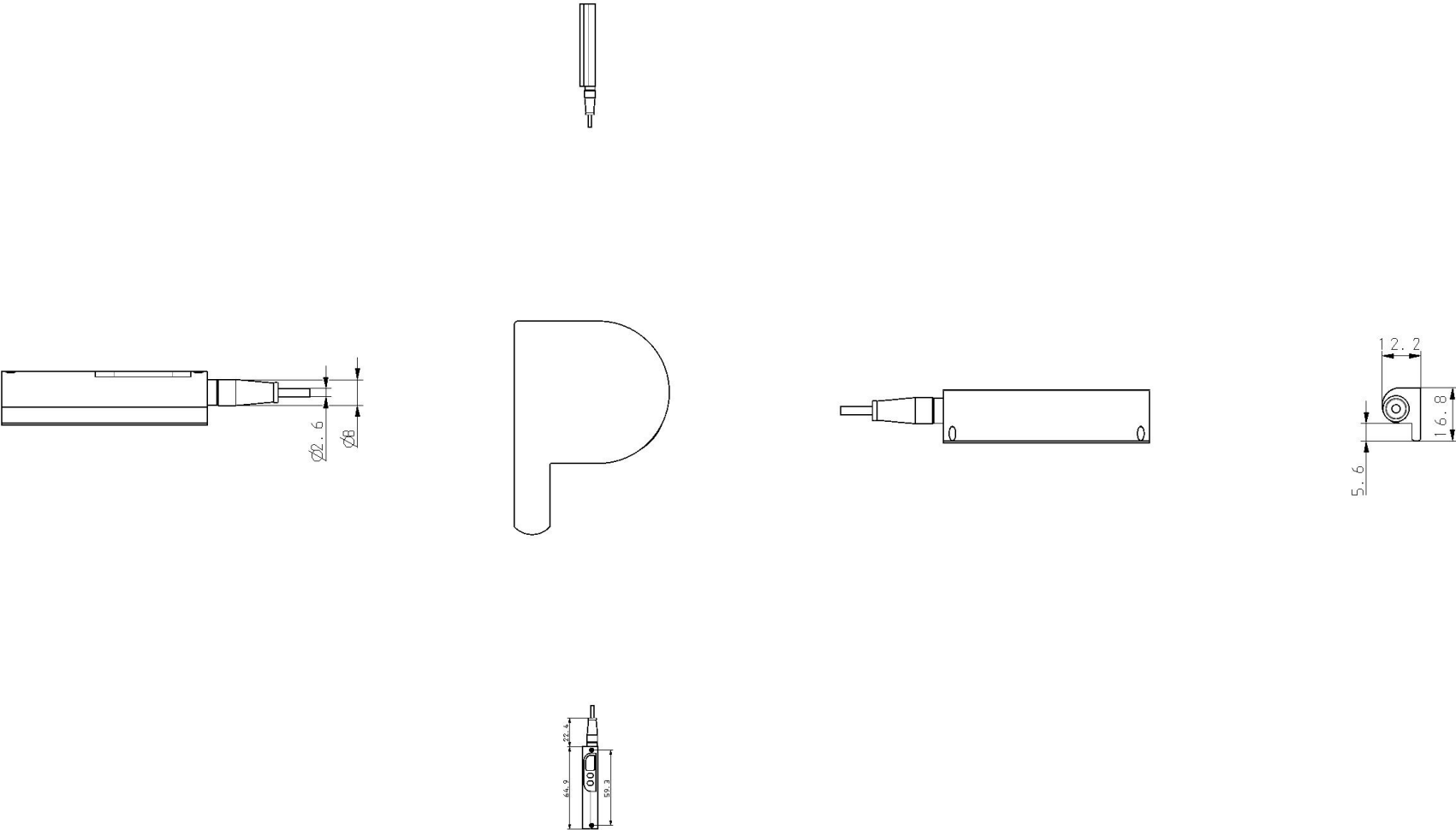
- Measuring range: 25mm, 50mm, 100mm and 200mm.
- Applicable Cylinder: MB, CQ2, MGP, CXSJ, CP96, C96 and C55.
- Compatible IO-Link.
- Analogue output: Voltage output (0 to 10 [V]), Current output (4 to 20 [mA]).
- Analogue output can be reversed.
- Setting is available by simply touching the touch pad.
- Lead wire connection: Separate line, M8-4pin and M12-4 pin.

### Standard specifications

|                                 |                                         |
|---------------------------------|-----------------------------------------|
| Measuring Range                 | 050 (50mm)                              |
| Lead Wire                       | B (M8-4 Pin, 0.3 m)                     |
| Maximum ambient temperature     | 60 °C                                   |
| Minimum ambient temperature     | -10 °C                                  |
| General power supply            | 10 to 30 VDC                            |
| Protection class with connector | IP67                                    |
| Internal voltage drop           | 2 V or less                             |
| Repeatability                   | 0.1 mm (Ambient temperature: 25 °C)     |
| Linearity                       | ± 0.3 mm (Ambient temperature: 25 °C)   |
| Current consumption             | 48 mA or less (when no load is applied) |
| Power supply voltage            | 15 to 30 VDC                            |
| Resolution                      | 0.05 mm                                 |
| Switch output                   | NPN or PNP                              |
| Maximum load current            | 40 mA                                   |
| Analog current output           | 4 to 20 mA                              |
| Analog voltage output           | 0 to 10 V                               |

|        |          |
|--------|----------|
| Weight | 0.019 Kg |
|--------|----------|

Dimensions



## Additional information

|                           |                                                                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Catalogue                 | <a href="#">D-MP_-B_EU.pdf</a>                                                                                                            |
| Declaration of conformity | <a href="#">newDoC_D-MPxS_TF1Y231EN.pdf</a><br><a href="#">newDoC_D-MPxS_TF1X160EN.pdf</a><br><a href="#">newDoC_D-MPxS_TF1V390EN.pdf</a> |
| Installation manuals      | <a href="#">IM_D-MP_SMX03EN.pdf</a>                                                                                                       |
| Operation manuals         | <a href="#">OM_D-MPx_OMU0002EN-A.pdf</a>                                                                                                  |