



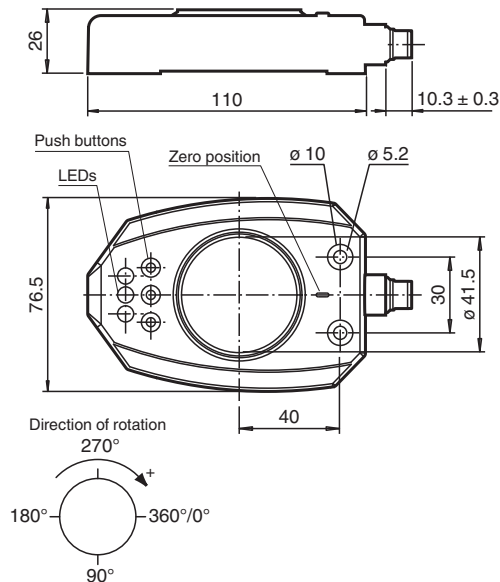
## Ind. angular measuring system

### PMI360D-F130-IE8-V15

- Measuring range 0 ... 360°
- Analog output 4 mA ... 20 mA
- Adjustable switch points



## Dimensions



## Technical Data

### General specifications

|                  |                            |
|------------------|----------------------------|
| Installation     | non-flush                  |
| Measuring range  | 360°                       |
| Rotational speed | max. 100 min <sup>-1</sup> |

### Nominal ratings

|                             |                |                                |
|-----------------------------|----------------|--------------------------------|
| Operating voltage           | U <sub>B</sub> | 18 ... 30 V                    |
| Reverse polarity protection |                | reverse polarity protected     |
| Repeat accuracy             | R              | $\pm 0.25^\circ$               |
| Resolution                  |                | 0.4°                           |
| Temperature drift           |                | 0.02 ° / °C (-25 °C ... 70 °C) |
| No-load supply current      | I <sub>0</sub> | $\leq 45$ mA                   |
| Operating voltage indicator |                | LED green                      |

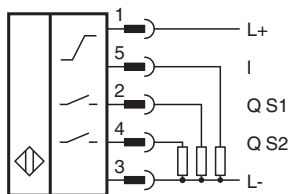
### Safety-relevant product characteristics

|                   |       |
|-------------------|-------|
| MTTF <sub>d</sub> | 265 a |
|-------------------|-------|

## Technical Data

|                                                 |                |                                                                                                                                                                                   |
|-------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mission Time (T <sub>M</sub> )                  |                | 20 a                                                                                                                                                                              |
| Diagnostic Coverage (DC)                        |                | 0 %                                                                                                                                                                               |
| <b>Switching output</b>                         |                |                                                                                                                                                                                   |
| Output type                                     |                | 2 switch outputs PNP, NO , reverse polarity protected , short-circuit protected                                                                                                   |
| Operating current                               | I <sub>L</sub> | ≤ 100 mA                                                                                                                                                                          |
| Voltage drop                                    |                | ≤ 3 V                                                                                                                                                                             |
| Short-circuit protection                        |                | pulsing                                                                                                                                                                           |
| <b>Analog output</b>                            |                |                                                                                                                                                                                   |
| Output type                                     |                | 1 current output: 4 ... 20 mA                                                                                                                                                     |
| Linearity error                                 |                | ± 0.6 ° , (with original actuator)                                                                                                                                                |
| Load resistor                                   |                | ≤ 400 Ω                                                                                                                                                                           |
| <b>Compliance with standards and directives</b> |                |                                                                                                                                                                                   |
| Standard conformity                             |                |                                                                                                                                                                                   |
| Standards                                       |                | EN 60947-5-2:2007<br>IEC 60947-5-2:2007                                                                                                                                           |
| <b>Approvals and certificates</b>               |                |                                                                                                                                                                                   |
| UL approval                                     |                | cULus Listed<br>Load Type: Resistive<br>Circuitry: Class 2 Power Source<br>Enclosure Type Rating: Type 1<br>Supply/Switching Voltage: 30 V DC<br>Output Switching Current: 100 mA |
| CCC approval                                    |                | CCC approval / marking not required for products rated ≤36 V                                                                                                                      |
| <b>Ambient conditions</b>                       |                |                                                                                                                                                                                   |
| Ambient temperature                             |                | -25 ... 70 °C (-13 ... 158 °F)                                                                                                                                                    |
| Storage temperature                             |                | -40 ... 100 °C (-40 ... 212 °F)                                                                                                                                                   |
| <b>Mechanical specifications</b>                |                |                                                                                                                                                                                   |
| Connection type                                 |                | 5-pin, M12 x 1 connector                                                                                                                                                          |
| Housing material                                |                | PBT                                                                                                                                                                               |
| Shaft diameter                                  |                | max. 27.5 mm Steel                                                                                                                                                                |
| Degree of protection                            |                | IP67                                                                                                                                                                              |
| Mass                                            |                | 180 g                                                                                                                                                                             |
| Dimensions                                      |                |                                                                                                                                                                                   |
| Height                                          |                | 22 mm                                                                                                                                                                             |
| Width                                           |                | 76.5 mm                                                                                                                                                                           |
| Length                                          |                | 120 mm                                                                                                                                                                            |

## Connection Assignment



## Dimensions

dimensions of the target object:

