



## Hydrostatic submersible pressure transmitter

SUBMERSIBLE 1BAR 15M FEP CABLE



### Application

|                        |                                               |          |
|------------------------|-----------------------------------------------|----------|
| Design                 | with capillary tube for pressure compensation |          |
| Media                  | Liquids                                       |          |
| Medium temperature     | [°C]                                          | -10...85 |
| Pressure rating        | [bar]                                         | 5        |
| Min. bursting pressure | [bar]                                         | 6        |
| Type of pressure       | relative pressure                             |          |

### Electrical data

|                             |     |            |
|-----------------------------|-----|------------|
| Operating voltage           | [V] | 10...30 DC |
| Protection class            | III |            |
| Reverse polarity protection | yes |            |

### Outputs

|                            |                 |                                                               |
|----------------------------|-----------------|---------------------------------------------------------------|
| Total number of outputs    | 1               |                                                               |
| Output signal              | analogue signal |                                                               |
| Number of analogue outputs | 1               |                                                               |
| Analogue current output    | [mA]            | 4...20                                                        |
| Max. load                  | [Ω]             | 700; (U <sub>b</sub> = 24 V; (U <sub>b</sub> - 10 V) / 20 mA) |
| Short-circuit protection   | yes             |                                                               |

### Measuring/setting range

|                 |       |       |
|-----------------|-------|-------|
| Measuring range | [bar] | 0...1 |
|-----------------|-------|-------|

### Accuracy / deviations

|                                    |                        |                                                                                   |
|------------------------------------|------------------------|-----------------------------------------------------------------------------------|
| Repeatability                      | [% of the span]        | < 0,1; (with temperature fluctuations < 10 K)                                     |
| Characteristics deviation          | [% of the span]        | < 0,25 (BFSL) / 0,5; (incl. linearity, zero and span error (limit value setting)) |
| Linearity deviation                | [% of the span]        | < 0,2 (BFSL)                                                                      |
| Long-term stability                | [% of the span]        | < 0,2; (per year)                                                                 |
| Temperature coefficient zero point | [% of the span / 10 K] | < ± 0,2; (0...50 °C)                                                              |
| Temperature coefficient span       | [% of the span / 10 K] | < ± 0,2; (0...50 °C)                                                              |

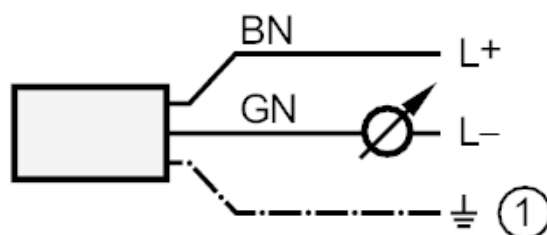
# PS4417



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| Operating conditions       |      |                                    |
|----------------------------|------|------------------------------------|
| Ambient temperature        | [°C] | -10...85                           |
| Storage temperature        | [°C] | -30...80                           |
| Protection                 |      | IP 68                              |
| Mechanical data            |      |                                    |
| Weight                     | [g]  | 1375                               |
| Materials                  |      | stainless steel (1.4571/316Ti); PA |
| Remarks                    |      |                                    |
| Pack quantity              |      | 1 pcs.                             |
| Electrical connection      |      |                                    |
| Cable: 15 m, FEP, Ø 7.5 mm |      |                                    |
| Connection                 |      |                                    |



1: screen (connected to the housing)

Core colours :

BN = brown

GN = green