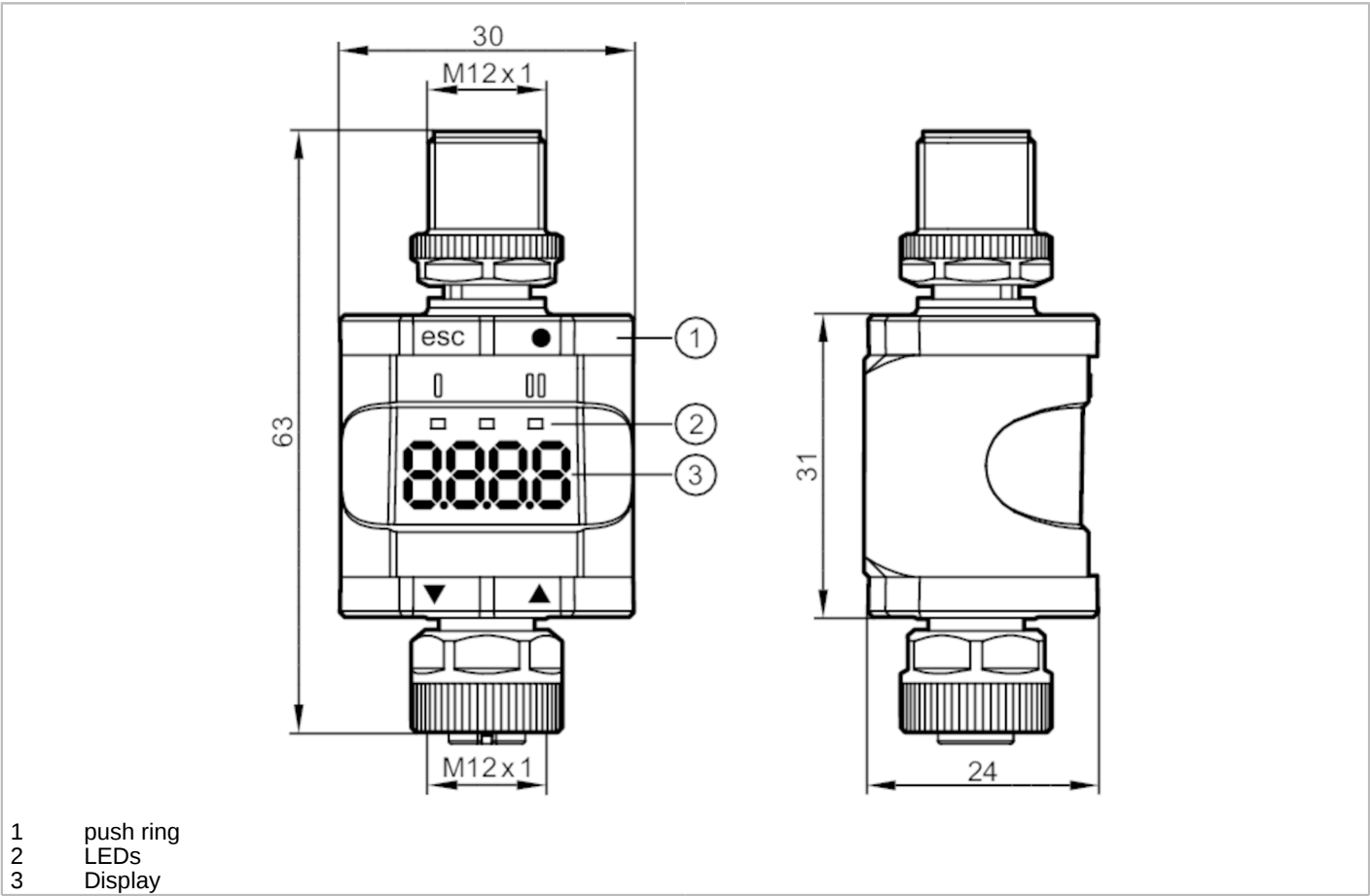


# DP2402



## Pulse stretcher

Monitoring Display-Pulse ext



| Product characteristics       |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Electrical design             | PNP                                                       |
| Output function               | normally open / normally closed; (parameterisable)        |
| Communication interface       | IO-Link                                                   |
| Dimensions [mm]               | 63 x 30 x 24                                              |
| Electrical data               |                                                           |
| Operating voltage [V]         | 18...30 DC; (to SELV/PELV)                                |
| Nominal voltage DC [V]        | 24                                                        |
| Current consumption [mA]      | < 380                                                     |
| Max. current load total [A]   | 0.2                                                       |
| Inputs / outputs              |                                                           |
| Number of inputs and outputs  | Number of digital inputs: 2; Number of digital outputs: 2 |
| Inputs                        |                                                           |
| Number of digital inputs      | 2; (IEC61131-2)                                           |
| Input current limitation [mA] | 200                                                       |
| Outputs                       |                                                           |
| Electrical design             | PNP                                                       |
| Number of digital outputs     | 2                                                         |
| Output function               | normally open / normally closed; (parameterisable)        |



## Pulse stretcher

Monitoring Display-Pulse ext

|                                            |  |                                                                                                                    |                                                          |
|--------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Short-circuit proof                        |  | yes                                                                                                                |                                                          |
| Measuring/setting range                    |  |                                                                                                                    |                                                          |
| Sampling rate                              |  | [Hz]                                                                                                               | < 2000                                                   |
| Interfaces                                 |  |                                                                                                                    |                                                          |
| Communication interface                    |  | IO-Link                                                                                                            |                                                          |
| Usage type                                 |  | parameter setting                                                                                                  |                                                          |
| Transmission type                          |  | COM2 (38,4 kBaud)                                                                                                  |                                                          |
| IO-Link revision                           |  | 1.1                                                                                                                |                                                          |
| SDCI standard                              |  | IEC 61131-9                                                                                                        |                                                          |
| SIO mode                                   |  | yes                                                                                                                |                                                          |
| Required master port type                  |  | A                                                                                                                  |                                                          |
| Process data binary                        |  | 2                                                                                                                  |                                                          |
| Supported DeviceIDs                        |  | Type of operation                                                                                                  | DeviceID                                                 |
|                                            |  | default                                                                                                            | 1168                                                     |
| Operating conditions                       |  |                                                                                                                    |                                                          |
| Ambient temperature                        |  | [°C]                                                                                                               | -25...60                                                 |
| Note on ambient temperature                |  | 2000 m: -25...60 °C                                                                                                |                                                          |
|                                            |  | 3000 m: -25...53 °C                                                                                                |                                                          |
|                                            |  | 4000 m: -25...51 °C                                                                                                |                                                          |
|                                            |  | Bei folgender Betriebshöhe ist das Derating der Umgebungstemperatur in der Betriebsanleitung zu beachten: > 2000 m |                                                          |
| Storage temperature                        |  | [°C]                                                                                                               | -25...60                                                 |
| Max. relative air humidity                 |  | [%]                                                                                                                | 90; (linearly decreasing to 50 % (40 °C) non condensing) |
| Max. height above sea level                |  | [m]                                                                                                                | 4000                                                     |
| Protection                                 |  | IP 67                                                                                                              |                                                          |
| Pollution degree                           |  | 2                                                                                                                  |                                                          |
| Tests / approvals                          |  |                                                                                                                    |                                                          |
| MTTF                                       |  | [years]                                                                                                            | 317                                                      |
| Mechanical data                            |  |                                                                                                                    |                                                          |
| Weight                                     |  | [g]                                                                                                                | 84.2                                                     |
| Weight (without accessories and packaging) |  | [g]                                                                                                                | 35                                                       |
| Dimensions                                 |  | [mm]                                                                                                               | 63 x 30 x 24                                             |
| Materials                                  |  | housing: PA                                                                                                        |                                                          |
| Displays / operating elements              |  |                                                                                                                    |                                                          |
| Display                                    |  | operation                                                                                                          | 1 x LED, green                                           |
|                                            |  | switching output                                                                                                   | 2 x LED, yellow                                          |
|                                            |  |                                                                                                                    | 7-segment LED display, red                               |
| Operating elements                         |  | 2                                                                                                                  | push ring                                                |
| Accessories                                |  |                                                                                                                    |                                                          |
| Accessories (optional)                     |  | mounting clip                                                                                                      |                                                          |
| Remarks                                    |  |                                                                                                                    |                                                          |
| Remarks                                    |  | For further information please see the operating instructions.                                                     |                                                          |
| Pack quantity                              |  | 1 pcs.                                                                                                             |                                                          |

# DP2402



## Pulse stretcher

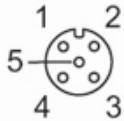
Monitoring Display-Pulse ext

### Electrical connection - plug



- |         |               |
|---------|---------------|
| 1: L+   |               |
| 2: OUT2 | DO2           |
| 3: L-   |               |
| 4: OUT1 | IO-Link / DO1 |

### Electrical connection - socket



- |        |      |
|--------|------|
| 1: L+  |      |
| 2: IN2 | DI2  |
| 3: L-  |      |
| 4: IN1 | DI1  |
| 5:     | n.c. |

### Other data

|                            |             |
|----------------------------|-------------|
| switch-on/switch-off delay | 0...9999 ms |
|----------------------------|-------------|