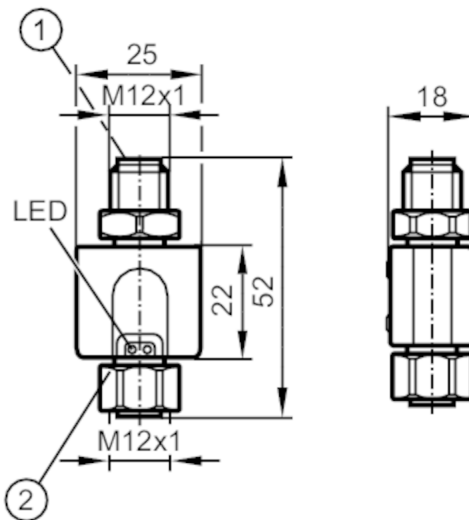


## IO-Link memory plug

MEMORY PLUG



- 1 connection for voltage supply and output signals  
 2 connection for temperature sensor



## Electrical data

|                             |      |                 |
|-----------------------------|------|-----------------|
| Operating voltage           | [V]  | 18...32 DC      |
| Current consumption         | [mA] | < 35            |
| Min. insulation resistance  | [MΩ] | 100; (500 V DC) |
| Protection class            |      | III             |
| Reverse polarity protection |      | yes             |

## Outputs

|                                                 |      |                                   |
|-------------------------------------------------|------|-----------------------------------|
| Output signal                                   |      | IO-Link                           |
| Electrical design                               |      | PNP                               |
| Max. voltage drop switching output DC           | [V]  | 0.5                               |
| Permanent current rating of switching output DC | [mA] | 500; (briefly: 2 A / 50 ms)       |
| Type of short-circuit protection                |      | depending on the connected sensor |

## Interfaces

|                           |      |                   |
|---------------------------|------|-------------------|
| IO-Link Device            |      |                   |
| Transmission type         |      | COM2 (38,4 kBaud) |
| IO-Link revision          |      | 1.1               |
| Profiles                  |      | no profile        |
| SIO mode                  |      | no                |
| Required master port type |      | A                 |
| Min. process cycle time   | [ms] | 2.5               |



## IO-Link memory plug

MEMORY PLUG

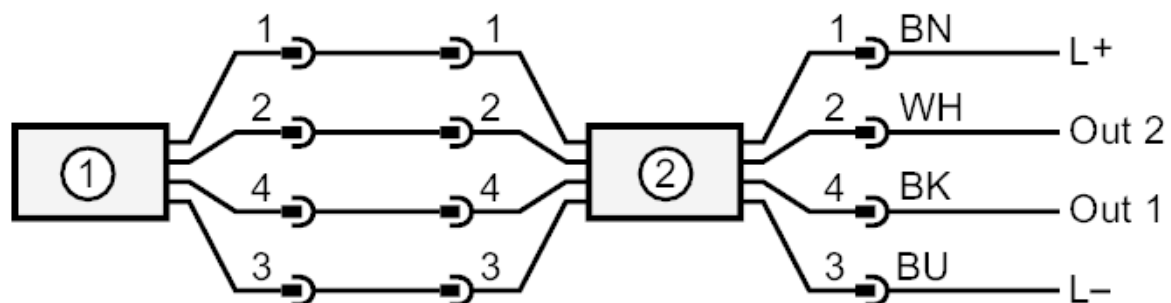
|                                                                                                                                                                      |                                                                                                   |                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------------------|
| IO-Link Master                                                                                                                                                       |                                                                                                   |                     |
| Transmission type                                                                                                                                                    | COM1 (4,8 kBaud), COM2 (38,4 kBaud)                                                               |                     |
| IO-Link revision                                                                                                                                                     | 1.1                                                                                               |                     |
| SDCI standard                                                                                                                                                        | IEC 61131-9 (Draft)                                                                               |                     |
| Number of ports class A                                                                                                                                              | 1                                                                                                 |                     |
| Operating conditions                                                                                                                                                 |                                                                                                   |                     |
| Ambient temperature                                                                                                                                                  | [°C]                                                                                              | -25...60            |
| Storage temperature                                                                                                                                                  | [°C]                                                                                              | -40...85            |
| Protection                                                                                                                                                           | IP 65; IP 67                                                                                      |                     |
| Tests / approvals                                                                                                                                                    |                                                                                                   |                     |
| EMC                                                                                                                                                                  | EN 61000-6-2                                                                                      |                     |
| Shock resistance                                                                                                                                                     | DIN IEC 68-2-27                                                                                   | 50 g 11 ms          |
| Vibration resistance                                                                                                                                                 | DIN IEC 68-2-6                                                                                    | 20 g (10...2000 Hz) |
| MTTF                                                                                                                                                                 | [years]                                                                                           | 655.69              |
| Mechanical data                                                                                                                                                      |                                                                                                   |                     |
| Weight                                                                                                                                                               | [g]                                                                                               | 116.5               |
| Dimensions                                                                                                                                                           | [mm]                                                                                              | M12 x 1             |
| Thread designation                                                                                                                                                   | M12 x 1                                                                                           |                     |
| Materials                                                                                                                                                            | PA PACM 12 (TROGAMID); PET; Sealing: FKM;<br>Lock nut: stainless steel (1.4404 / 316L); plug: TPU |                     |
| Displays / operating elements                                                                                                                                        |                                                                                                   |                     |
| Display                                                                                                                                                              | operation                                                                                         | 2 x LED, green      |
| Remarks                                                                                                                                                              |                                                                                                   |                     |
| Remarks                                                                                                                                                              | only for positive switching sensors                                                               |                     |
|                                                                                                                                                                      | The memory plug acts as master if it is connected with a sensor.                                  |                     |
|                                                                                                                                                                      | The memory plug acts as device if it is used with the service program.                            |                     |
|                                                                                                                                                                      | operating voltage "supply class 2" according to cULus                                             |                     |
| Pack quantity                                                                                                                                                        | 1 pcs.                                                                                            |                     |
| Electrical connection                                                                                                                                                |                                                                                                   |                     |
| Connector: M12                                                                                                                                                       |                                                                                                   |                     |
| <div><div><div>2</div><div>1</div><div>3</div><div>4</div></div><div></div></div> |                                                                                                   |                     |



## IO-Link memory plug

MEMORY PLUG

### Connection



- 1: sensor
- 2: memory plug