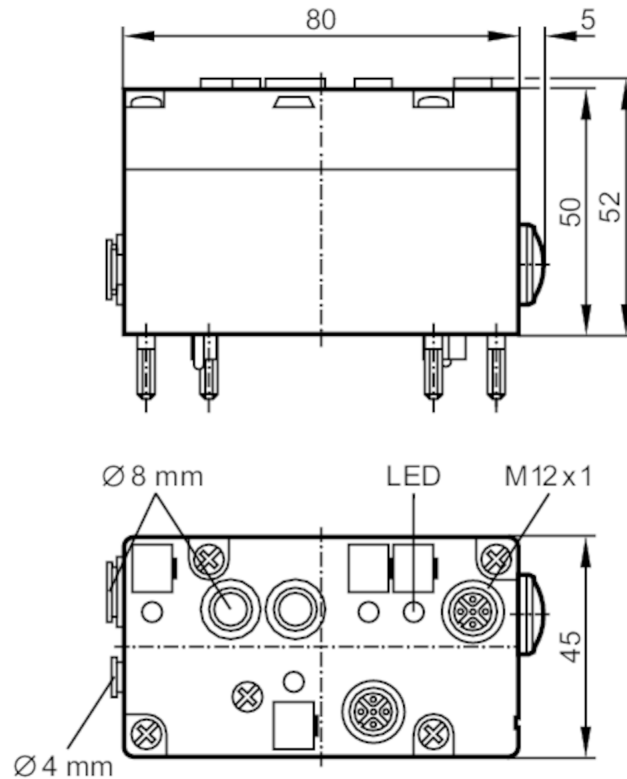




## AS-Interface AirBox

## AirBox 2DI 1PO M12



## Application

| Application | field installation |
|-------------|--------------------|
|-------------|--------------------|

## Electrical data

|                                    |      |                |
|------------------------------------|------|----------------|
| Operating voltage                  | [V]  | 26.5...31.6 DC |
| Max. current consumption from AS-i | [mA] | 165            |
| Integrated watchdog                |      | yes            |

## Inputs / outputs

|                              |                                                             |
|------------------------------|-------------------------------------------------------------|
| Number of inputs and outputs | Number of digital inputs: 2; Number of pneumatic outputs: 1 |
|------------------------------|-------------------------------------------------------------|

## Inputs

|                                                 |         |
|-------------------------------------------------|---------|
| Number of digital inputs                        | 2       |
| Input circuit of digital inputs                 | PNP     |
| Sensor supply of the inputs                     | AS-i    |
| Подача напруги [V]                              | 20...30 |
| Max. total current rating of inputs [mA]        | 100     |
| Input current High [mA]                         | > 3     |
| Input current Low [mA]                          | < 1.5   |
| Switching level high [V]                        | > 10    |
| Digital inputs protected against short circuits | yes     |



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| Outputs                        |                                                     |                                                                      |           |             |    |
|--------------------------------|-----------------------------------------------------|----------------------------------------------------------------------|-----------|-------------|----|
| Number of pneumatic outputs    | 1; (pneumatic NO/NC selectable output ; monostable) |                                                                      |           |             |    |
| Actuator supply outputs        | AS-i                                                |                                                                      |           |             |    |
| Operating conditions           |                                                     |                                                                      |           |             |    |
| Ambient temperature            | [°C]                                                | 0...55                                                               |           |             |    |
| Note on ambient temperature    |                                                     | with special compressed air treatment: < 0 °C                        |           |             |    |
| Protection                     |                                                     | IP 65                                                                |           |             |    |
| Tests / approvals              |                                                     |                                                                      |           |             |    |
| EMC                            |                                                     | EN 50295                                                             |           |             |    |
| AS-i classification            |                                                     |                                                                      |           |             |    |
| Розширений режим адресації     |                                                     | no                                                                   |           |             |    |
| AS-i master profile            |                                                     | M2; M3; M4                                                           |           |             |    |
| AS-i profile                   |                                                     | S-3.F                                                                |           |             |    |
| AS-i I/O configuration         | [hex]                                               | 3                                                                    |           |             |    |
| AS-i ID code                   | [hex]                                               | F                                                                    |           |             |    |
| Assignment of the data bits    | data bit                                            | D0                                                                   | D1        | D2          | D3 |
|                                | socket                                              | I-1                                                                  | I-1 / I-2 | O-3         | -  |
|                                | pin                                                 | 4                                                                    | 2 / 4     | -           | -  |
| Mechanical data                |                                                     |                                                                      |           |             |    |
| Weight                         | [g]                                                 | 243.5                                                                |           |             |    |
| Type of mounting               |                                                     | screw mounting                                                       |           |             |    |
| Materials                      |                                                     | PBT                                                                  |           |             |    |
| Pneumatic system               |                                                     | 1 x 4/2-way seat valve                                               |           |             |    |
| Operating pressure range       | [bar]                                               | 3...8                                                                |           |             |    |
| Operating pressure range       | [MPa]                                               | 0.3...0.8                                                            |           |             |    |
| Note on working pressure range |                                                     | incl. possible pressure peaks                                        |           |             |    |
| Air flow at 6/5 bar            | [l/min]                                             | 500                                                                  |           |             |    |
| Air flow at 6/0 bar            | [l/min]                                             | 700                                                                  |           |             |    |
| Permissible compressed air     |                                                     | filtered (5 µm); lubricated (ISO-VG10) or not lubricated             |           |             |    |
| Auxiliary air 90 % vacuum      | [bar]                                               | 3...8                                                                |           |             |    |
| Auxiliary air 90 % vacuum      | [MPa]                                               | 0.3...0.8                                                            |           |             |    |
| Tube fittings                  |                                                     | Legris LF 3000/8 / LF 3000/4                                         |           |             |    |
| Exhaust                        |                                                     | integrated exhaust                                                   |           |             |    |
| Displays / operating elements  |                                                     |                                                                      |           |             |    |
| Display                        |                                                     | operation                                                            |           | LED, green  |    |
|                                |                                                     | function                                                             |           | LED, yellow |    |
| Electrical connection          |                                                     |                                                                      |           |             |    |
| Module connection              |                                                     | Приладдя                                                             |           |             |    |
| Remarks                        |                                                     |                                                                      |           |             |    |
| Remarks                        |                                                     | Please see the notes on compressed air and EMC/ESD under "Downloads" |           |             |    |
| Pack quantity                  |                                                     | 1 pcs.                                                               |           |             |    |



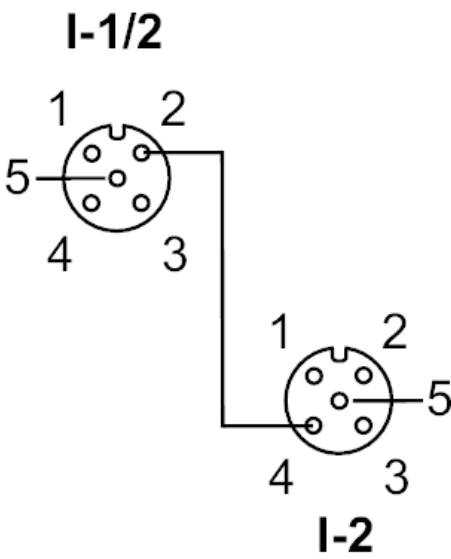
AS-Interface AirBox

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Electrical connection

contact pins to module lower part, FK / PG:

Connection



Connector: M12

|   |                  |
|---|------------------|
|   | input            |
|   | socket I-1/2     |
| 1 | Sensor supply L+ |
| 2 | data input 2     |
| 3 | Sensor supply L- |
| 4 | data input 1     |
| 5 | not used         |
|   | socket I-2       |
| 1 | Sensor supply L+ |
| 2 | not used         |
| 3 | Sensor supply L- |
| 4 | data input 2     |
| 5 | not used         |