

# AC2057

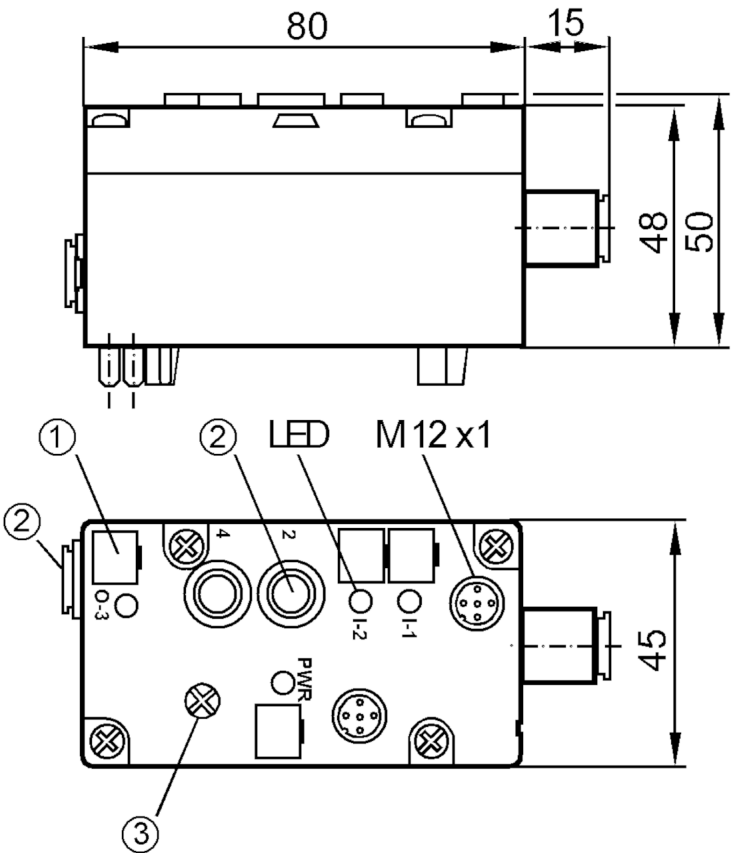


## AS-Interface Airbox

AirBox 2DI 1PO M12 V2A

Alternative articles: AC5287

When selecting an alternative article and accessories please note that technical data may differ!



- 1 panel for labelling
- 2 tube connection Ø 8 mm
- 3 screw for manual override



| 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                                                        |
| Voltage supply                     | [V]  | 20...30                                                     |



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|                                                 |      |       |
|-------------------------------------------------|------|-------|
| 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   |

## 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 67                                         |        |

## Tests / approvals

|     |          |  |
|-----|----------|--|
| EMC | EN 50295 |  |
|-----|----------|--|

## AS-i classification

|                          |                  |     |     |     |          |
|--------------------------|------------------|-----|-----|-----|----------|
| Extended addressing mode | 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   |     |     |          |
| Data bits                | Data bit         | D0  | D1  | D2  | D3       |
|                          | Inputs / outputs | I-1 | I-2 | O-3 | not used |

## Mechanical data

|                                |                                                                         |               |
|--------------------------------|-------------------------------------------------------------------------|---------------|
| Weight                         | [g]                                                                     | 249.85        |
| Housing                        | rectangular                                                             |               |
| Type of mounting               | AS-i interface to FC-E or SC lower parts                                |               |
| Dimensions                     | [mm]                                                                    | 95 x 45 x 50  |
| Material                       | housing: PBT; metal parts: stainless steel (1.4305 / 303); sealing: FKM |               |
| Pneumatic system               | 1 x 4/2-way seat valve                                                  |               |
| Operating pressure range       | 3...8 bar                                                               | 0.3...0.8 MPa |
| 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                |               |
| Tube fittings                  | Legris LF 3000/8                                                        |               |
| Exhaust                        | exhaust can be discharged through tube connection                       |               |

## Displays / operating elements

|         |          |             |
|---------|----------|-------------|
| Display | Power    | LED, green  |
|         | Function | LED, yellow |

## Accessories

|                        |                   |
|------------------------|-------------------|
| Accessories (optional) | Silencer:, E75232 |
|------------------------|-------------------|

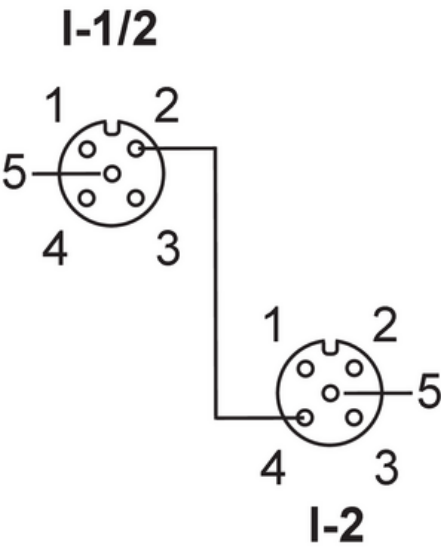


AS-Interface Airbox

AirBox 2DI 1PO M12 V2A

| Remarks       |                                                                      |
|---------------|----------------------------------------------------------------------|
| Remarks       | Please see the notes on compressed air and EMC/ESD under "Downloads" |
| Pack quantity | 1 pcs.                                                               |

| Electrical connection                       |
|---------------------------------------------|
| contact pins to module lower part, FK / PG: |
| Connection                                  |



|   |                  |
|---|------------------|
|   | 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         |