

# AC2031



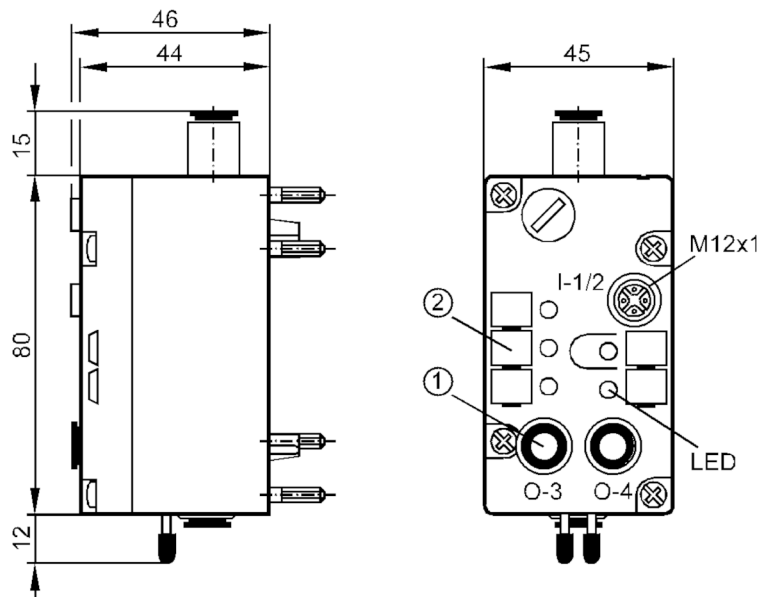
## AS-Interface Airbox

AirBox/1x2DI/2PO M12

Article no longer available - archive entry

Alternative articles: AC2027

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



- 1 tube connection  $\varnothing$  8 mm
- 2 panel for labelling



### Electrical data

|                     |      |                |
|---------------------|------|----------------|
| Operating voltage   | [V]  | 26.5...31.6 DC |
| Current consumption | [mA] | < 200          |
| Integrated watchdog |      | yes            |

### Inputs / outputs

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

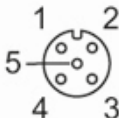
### Inputs

|                                                 |      |         |
|-------------------------------------------------|------|---------|
| Number of digital inputs                        |      | 2       |
| Input circuit of digital inputs                 |      | PNP     |
| Sensor supply of the inputs                     |      | AS-i    |
| Voltage supply                                  | [V]  | 20...30 |
| Max. total current rating of inputs             | [mA] | 100     |
| Input current High                              | [mA] | > 5     |
| Input current low                               | [mA] | < 1.5   |
| Switching level high                            | [V]  | > 10    |
| Digital inputs protected against short circuits |      | yes     |



## AS-Interface Airbox

AirBox/1x2DI/2PO M12

| Outputs                                                                             |                                                                      |             |     |     |     |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------|-----|-----|-----|
| Electrical design                                                                   | AS-i                                                                 |             |     |     |     |
| Number of pneumatic outputs                                                         | 2                                                                    |             |     |     |     |
| Operating conditions                                                                |                                                                      |             |     |     |     |
| Ambient temperature                                                                 | [°C]                                                                 | 0...55      |     |     |     |
| Note on ambient temperature                                                         | when using dry compressed air: -25...55 °C                           |             |     |     |     |
| Protection                                                                          | IP 67                                                                |             |     |     |     |
| Tests / approvals                                                                   |                                                                      |             |     |     |     |
| EMC                                                                                 | EN 50295                                                             |             |     |     |     |
| AS-i classification                                                                 |                                                                      |             |     |     |     |
| 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 | O-4 |
| Mechanical data                                                                     |                                                                      |             |     |     |     |
| Type of mounting                                                                    | screw mounting                                                       |             |     |     |     |
| Material                                                                            | PE                                                                   |             |     |     |     |
| Pneumatic system                                                                    | 2 x 3/2-way seat valves                                              |             |     |     |     |
| Operating pressure range                                                            | [bar]                                                                | 2...8       |     |     |     |
| Operating pressure range                                                            | [MPa]                                                                | 0.2...0.8   |     |     |     |
| Note on working pressure range                                                      | incl. possible pressure peaks                                        |             |     |     |     |
| Air flow at 6/5 bar                                                                 | [l/min]                                                              | 350         |     |     |     |
| Air flow at 6/0 bar                                                                 | [l/min]                                                              | 550         |     |     |     |
| 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 |     |     |     |
| 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:                                         |                                                                      |             |     |     |     |
| Connector: M12; coding: A                                                           |                                                                      |             |     |     |     |
|  |                                                                      |             |     |     |     |