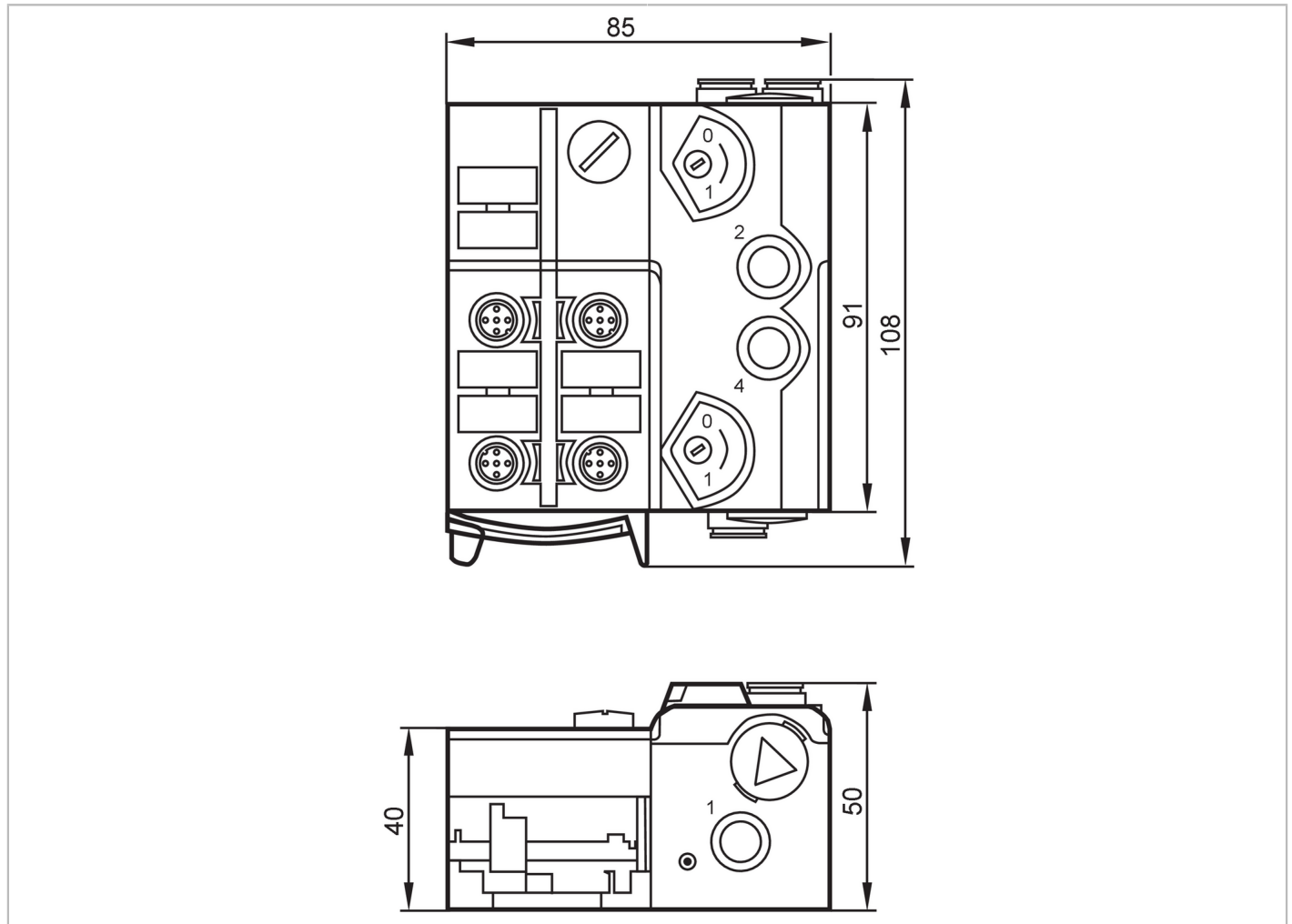


AC5228



AS-Interface Airbox with quick mounting technology

AirBox 2x3/2 4DI-Y IP67



| Application | |
|------------------------------------|---|
| Design | housing for DIN rail mounting |
| Application | field installation |
| Medium temperature | [-10...50 °C] |
| Electrical data | |
| Operating voltage | [26.5...31.6 DC V] |
| Max. current consumption from AS-i | [280 mA] |
| Integrated watchdog | yes |
| Inputs / outputs | |
| Number of inputs and outputs | Number of digital inputs: 4; Number of pneumatic outputs: 2 |
| Inputs | |
| Number of digital inputs | 4 |
| Input circuit of digital inputs | PNP |
| Sensor supply of the inputs | AS-i |
| Voltage supply | [20...30; (via flat cable) V] |

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| | | |
|---|------|--------|
| Max. total current rating of inputs | [mA] | 200 |
| Input current High | [mA] | 6...10 |
| Input current Low | [mA] | 0...2 |
| Switching level high | [V] | > 11 |
| Digital inputs protected against short circuits | | yes |

Outputs

| | | |
|-----------------------------|--|------|
| Number of pneumatic outputs | | 2 |
| Actuator supply outputs | | AS-i |

Operating conditions

| | | |
|---------------------|------|--------------|
| Ambient temperature | [°C] | -10...55 |
| Protection | | IP 65; IP 67 |

Tests / approvals

| | | |
|------|---------|---------------|
| EMC | | EN 50295 |
| | | IEC 61000-6-2 |
| MTTF | [years] | 287 |

AS-i classification

| | | | | | |
|-----------------------------|------------------|-------------------|-----------|-------|-----------|
| AS-i version | | 2.11; 3.0 | | | |
| AS-i addressing | | addressing socket | | | |
| Extended addressing mode | | yes | | | |
| AS-i master profile | | M2; M3; M4 | | | |
| AS-i profile | | S-7.A.E | | | |
| AS-i I/O configuration | [hex] | 7 | | | |
| AS-i ID code | [hex] | A.E | | | |
| Assignment of the data bits | data bit | D0 | D1 | D2 | D3 |
| | input | 1 | 2 | 3 | 4 |
| | socket | I-1/2 | I-1/2 I-2 | I-3/4 | I-3/4 I-4 |
| | pin | 4 | 2 4 | 4 | 2 4 |
| | pneumatic output | 2 | 4 | - | - |

Mechanical data

| | | |
|----------------------------|---------|--|
| Weight | [g] | 378 |
| Housing | | rectangular |
| Type of mounting | | quick mounting; AS-i flat cables directly connectable; mounting on DIN rail; (TH35 (EN 60715)) |
| Dimensions | [mm] | 108 x 85 x 50 |
| Materials | | PA; POM; piercing contacts: CuSn6 nickel-plated and tin-plated |
| Pneumatic system | | 2 x 3/2-way slide valves (free from overlapping) |
| Operating pressure range | | 2...8 bar 0.2...0.8 MPa 29...116 psi |
| Air flow at 6/5 bar | [l/min] | 500 |
| Permissible compressed air | | non-lubricated compressed air class 6-3-1; lubricated compressed air class 6-3-4 |
| Manual override | | pressing/releasing or pressing/turning/locking |
| Tube fittings | | 8 mm |
| Exhaust | | exhaust can be discharged through tube connection |

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| Displays / operating elements | | |
|-------------------------------|--|-------------|
| Display | operation | LED, green |
| | errors | LED, red |
| | function | LED, yellow |
| Electrical connection | | |
| Module connection | Flat cables | |
| Accessories | | |
| Items supplied | lower part | |
| Accessories (optional) | Mounting plate:, E74999 | |
| | Module lower part:, E75000 | |
| | Protective cap: M12, E73004 | |
| | sealing plugs:, E75231 | |
| | silencer:, E75232 | |
| | Push-in L-fitting:, E75228 | |
| | Push-in T-fitting:, E75227 | |
| Remarks | | |
| Remarks | If not pneumatically operated, E75231 sealing plug must be inserted. | |
| | Avoid ingress of dirt and dust. | |
| | Do not connect any of the following points to an external potential: | |
| | L-, L+, I-1, I-2, I-3, I-4 | |
| | The connections are electrically connected with the AS-i cable. | |
| Pack quantity | Please see the notes on compressed air and EMC/ESD under "Downloads" | |
| | 1 pcs. | |



AS-Interface Airbox with quick mounting technology

AirBox 2x3/2 4DI-Y IP67

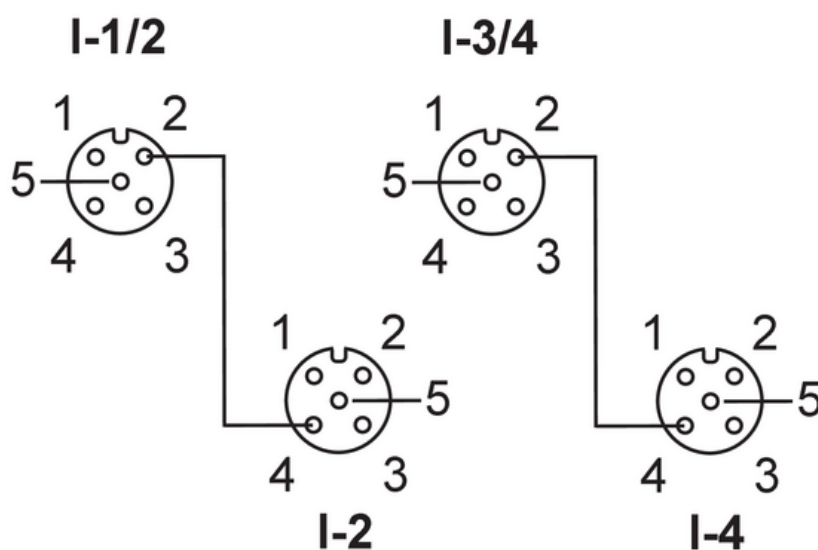
Electrical connection

quick mounting technology for AS-i flat cable: ; three orientations possible

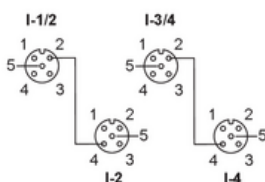
Connection

AN_i_1360_GG

Original Scale Drawing (MTD)



EPS Source
Product Scale Drawing
Frame Size: 75 mm x 45 mm





AS-Interface Airbox with quick mounting technology

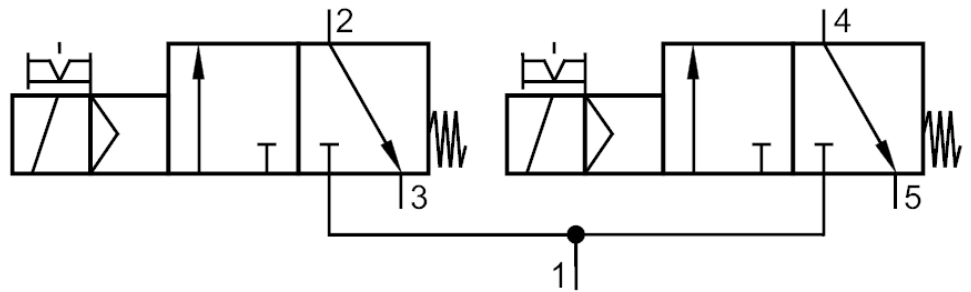
AirBox 2x3/2 4DI-Y IP67

Connector: M12

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

Diagrams and graphs

Pneumatic symbol



2 x 3/2-way slide valves (free from overlapping)