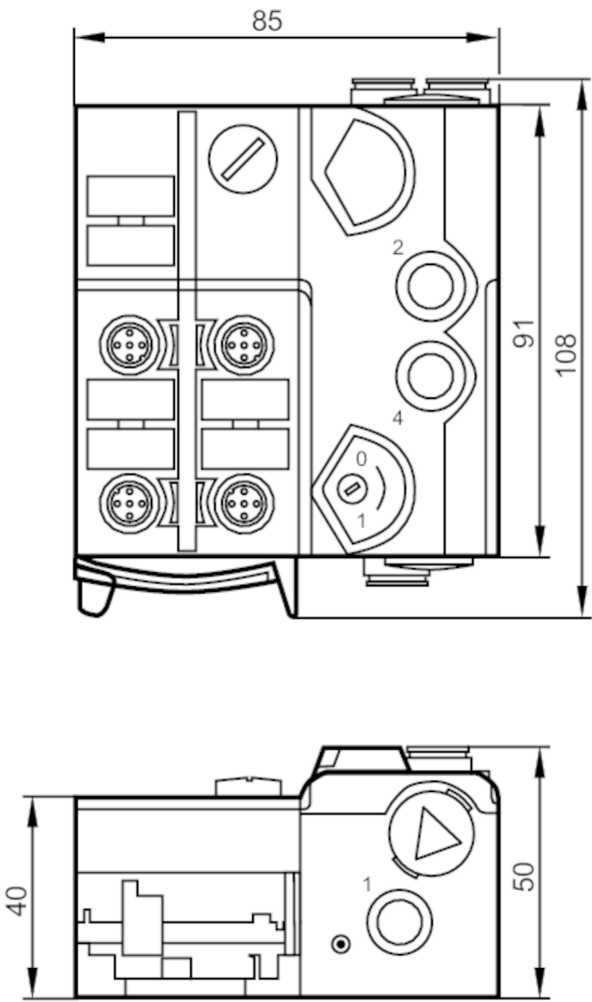


# AC5287



## AS-Interface Airbox with quick mounting technology

AirBox 5/2 2DI-Y IP67



| Application                                |                                                             |
|--------------------------------------------|-------------------------------------------------------------|
| Application                                | field installation                                          |
| Medium temperature [°C]                    | -10...50                                                    |
| Electrical data                            |                                                             |
| Operating voltage [V]                      | 26.5...31.6 DC                                              |
| Max. current consumption [mA]<br>from AS-i | 300                                                         |
| 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                                                        |



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|                                                 |         |                                                                                  |       |           |    |    |
|-------------------------------------------------|---------|----------------------------------------------------------------------------------|-------|-----------|----|----|
| Подача напруги                                  | [V]     | 20...30; (via flat cable)                                                        |       |           |    |    |
| 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                     |         | 1; (pneumatic NO/NC selectable output ; monostable)                              |       |           |    |    |
| 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                                            | [ANN]   | 360                                                                              |       |           |    |    |
| AS-i classification                             |         |                                                                                  |       |           |    |    |
| AS-i version                                    |         | 2.11; 3.0                                                                        |       |           |    |    |
| AS-i addressing                                 |         | addressing socket                                                                |       |           |    |    |
| Розширений режим адресації                      |         | no                                                                               |       |           |    |    |
| AS-i master profile                             |         | M2; M3; M4                                                                       |       |           |    |    |
| AS-i profile                                    |         | S-3.F.F                                                                          |       |           |    |    |
| AS-i I/O configuration                          | [hex]   | 3                                                                                |       |           |    |    |
| AS-i ID code                                    | [hex]   | F.F                                                                              |       |           |    |    |
| 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 | -  | -  |
|                                                 |         | pin                                                                              | 4     | 2 4       | -  | -  |
|                                                 |         | pneumatic output                                                                 | -     | -         | 4  | -  |
| Mechanical data                                 |         |                                                                                  |       |           |    |    |
| Weight                                          | [g]     | 344.2                                                                            |       |           |    |    |
| Type of mounting                                |         | quick mounting                                                                   |       |           |    |    |
| Materials                                       |         | PA; POM; piercing contacts: CuSn6 nickel-plated and tin-plated                   |       |           |    |    |
| Pneumatic system                                |         | 1 x 5/2-way slide valve (free from overlapping)                                  |       |           |    |    |
| Operating pressure range                        | [bar]   | 3...8                                                                            |       |           |    |    |
| Operating pressure range                        | [MPa]   | 0.3...0.8                                                                        |       |           |    |    |
| Operating pressure range                        | [psi]   | 44...116                                                                         |       |           |    |    |
| 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             | Приладдя                                                             |             |
| Аксессуары                    |                                                                      |             |
| Items supplied                | lower part                                                           |             |
| Accessories (optional)        | Mounting plate:, E74999                                              |             |
|                               | Module lower part:, E75000                                           |             |
|                               | Protective cap: M12, E73004                                          |             |
|                               | Ущільнювальна заглушка:, 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.      |             |
|                               | Please see the notes on compressed air and EMC/ESD under "Downloads" |             |
| Pack quantity                 | 1 pcs.                                                               |             |

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

| Connection                        |
|-----------------------------------|
| <div><p>I-1/2</p><p>I-2</p></div> |



AS-Interface Airbox with quick mounting technology

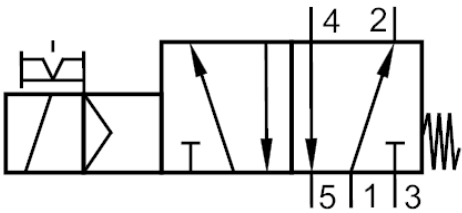
AirBox 5/2 2DI-Y IP67

Connector: M12

| Inputs       |                       |
|--------------|-----------------------|
| socket I-1/2 |                       |
| 1            | Sensor supply L+      |
| 2            | data input 2          |
| 3            | Sensor supply L-      |
| 4            | data input 1          |
| 5            | functional earth (FE) |
| socket I-2   |                       |
| 1            | Sensor supply L+      |
| 2            | not used              |
| 3            | Sensor supply L-      |
| 4            | data input 2          |
| 5            | functional earth (FE) |

Diagrams and graphs

Pneumatic symbol



1 x 5/2-way slide valve (free from overlapping) monostable