

ifm electronic



Application note

AS-i AirBox

ecomat300®

AC52xx

UK

Application notes on the AS-i AirBox AC52xx

Hazard by noise

Compressed air connection only after suitable installation of all connection tubes and only with installed silencers or common exhaust allowed. Operation without connection tubes and with open exhaust connections can lead to a harmful noise level.

Hazard by disturbances in the energy supply

In case of a voltage or pressure drop the units can automatically trigger the following switching operations:

| | |
|-----------------------|--------------------------------|
| 2x 3/2-way | exhaust of 2 and 4 |
| 1x 5/2-way bistable | none |
| 1x 5/2-way monostable | exhaust of 2, ventilation of 4 |
| 1x 5/3-way | closure of 2 and 4 |

Hazard by foreign bodies

Foreign bodies in the compressed air can be ejected at high speed from the exhaust tubes.

Operation only with installed silencers or common exhaust allowed.

Hazard by disturbance or malfunction of the control system

In case of unintentional switching operations or malfunction in the control system the units can automatically carry out the following switching operations:

| | |
|-----------------------|--|
| 2x 3/2-way | ventilation of 2 and 4 |
| 1x 5/2-way bistable | ventilation of 2, exhaust of 4 or vice versa |
| 1x 5/2-way monostable | ventilation of 2, exhaust of 4 |
| 1x 5/3-way | ventilation of 2, exhaust of 4 or vice versa |

Installation work is only allowed after previous interruption of the compressed air supply.

Adhere to the following order of installation (deinstallation in reversed order):

1. Mechanical fixing
2. Electrical and pneumatic connection
3. Power on
4. Switch on the compressed air supply

Hazard by improper installation

Mount the unit on a solid base, connect the compressed air tubes carefully and then switch on the compressed air supply.