

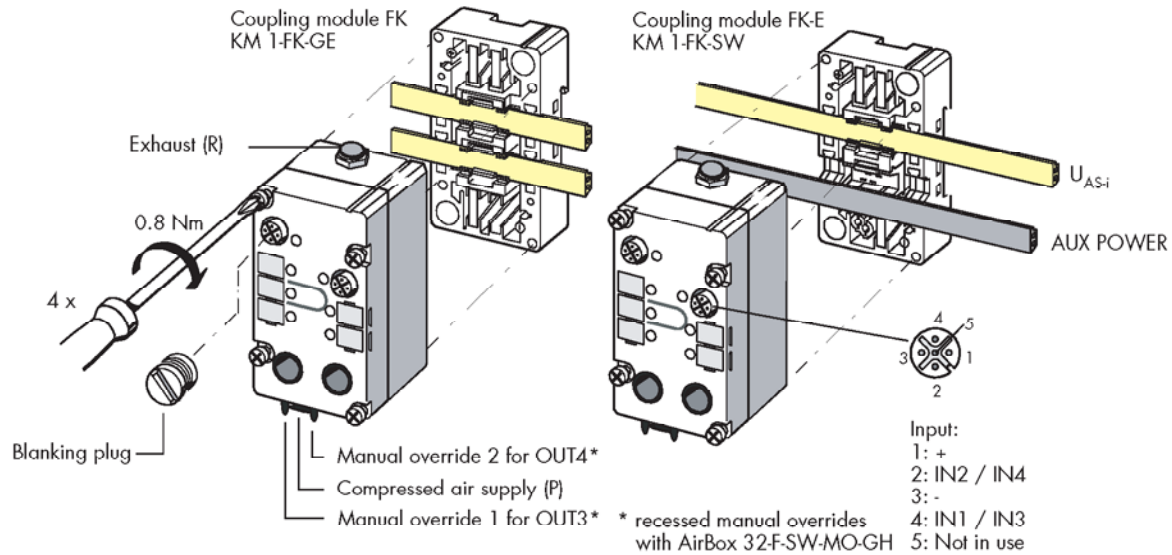
Application

The **AirBox 32** has 2 x 2 inputs and 2 pneumatic outputs. You can wire up the input sockets directly with sensors (PNP, via M12 plugs) in 2- or 3-wire connection.

The sensors are supplied with energy from the pneumatic module. The outputs and the compressed air supply are connected to the

module via a 8 mm plug-in tube connector. Use outside diameter tubing only.

Installation / wiring



Putting into service

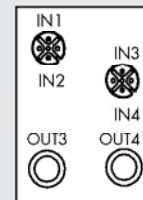
For putting the user module into service, the steps are as follows:

1. Set the address. To do this, use an addressing unit or a programming and service unit. Valid addresses are 1 to 31. Default address is 0. Use each address once per bus segment only.
2. Fit the AS-i cable in the guide(s) on the coupling module FK. Fit the yellow AS-i cable and the black AS-i power cable in in the guides on the coupling module FK-E. Pay attention to the colour coding!
3. Screw the pneumatic module tightly onto the coupling module. The green LED lights up when AS-i voltage is present.
4. Connect max. 4 sensors to the M12 sockets (inside thread) using Y connectors to each socket.
5. Connect the compressed air supply (8 mm). Connect the pneumatic outputs (8 mm). Connect the exhaust extraction (8 mm) if necessary.

Logical assignment

The table below shows the logical assignment of the data bits:

Data bit	Meaning	LEDs	Socket / Pin
I0	Input IN 1	yellow	1 / 4
I1	Input IN 2	yellow	1 / 2
I2	Input IN 3	yellow	2 / 4
I3	Input IN 4	yellow	2 / 2
O2	Output OUT 3	yellow	3 / -
O3	Output OUT 4	yellow	4 / -



Notes

Note the following:

- To attain degree of protection, insert blanking plugs in the M12 sockets not in use.
- In the event of overloading of the short-circuit-proof sensor power supply (Pin 1 and 3 of the input sockets), the pneumatic module interrupts communication with the master.
- Electrical control of the outputs has priority over manual control.
- Be sure to use properly treated compressed air (filtered 5 µm; non lubricated or lubricated). If lubricated air is used, the initial lubrication is removed. It is therefore necessary to carry on using lubricated air.