

## EASi AirBox 1 & 32



- Pneumatic module with 2 or 4 input ports
- 2 independently controllable 3/2-way valves
- A/B addressable
- Piercing technology for easy mounting



## Decentralize pneumatics efficiently

### Field modules with digital input ports and pneumatic outputs

With the KUHNKE **AirBox** you can distribute not only electrical input and output ports in the field. The **AirBox** also decentralizes the pneumatics. Because of the high protection class (IP 67) the **AirBox** can be mounted directly in the field. Unique assignment of the actuators with the associated sensors ensures maximum clarity.

### Save compressed air

The air is actuated directly at the consumer. That saves compressed air and reduces the cycle time as well as cabling and tubing costs.

### Piercing technology for easy mounting

The **AirBox** is connected directly to the AS-Interface flat cable. There is no additional workload created, such as skinning cables. Because of the additional output supply (AUX), emergency stop functions are easy to realize.

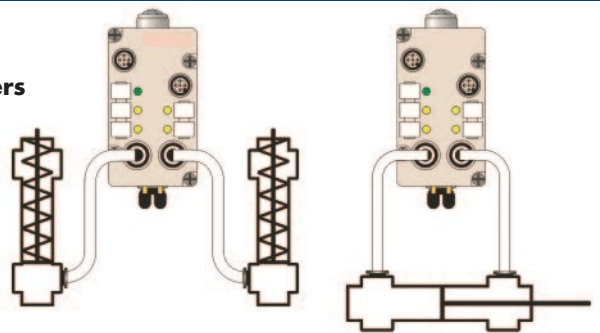
### A/B addressable

Because of the new technology, setting the 62 addresses (31A/B) is very simple also for a master from specification 2.1.

### Convenient diagnosis

Aside from the M12 and the pneumatic 8 mm quick-lock working connections, the status and diagnosis LEDs are also positioned on the front side, thus enabling convenient condition monitoring.

## AirBox application with single- and double-acting cylinders



## Technical data

AS-i specification	2.1, 3.0
AS-i certificate	in preparation
Extended addressing mode possible	yes
Configuration I/O, ID, ID1, ID2 (Hex)	7.A.7.E
Voltage range [V]	26.5...31.6 DC
Max. current total load from AS-i	< 200 mA
<b>Inputs</b>	
Input circuit	DC PNP
Sensor supply	AS-i
Voltage range [V]	18...30 DC
Max. current for all inputs together	200 mA
Short-circuit protected	yes
Input characteristic	per IEC61131-2, type 3
<b>Outputs</b>	
Pneumatic outputs	2 x 3/2-way valve (nc)
Air flow rate at 6/0 bar	550 NI/min
Air flow rate at 6/5 bar	350 NI/min
Compressed air consistency	filtered compressed air
Pressure range	2 - 8 bar
Integrated watchdog	yes
Operating voltage, yellow cable [V]	26.5...31.6 DC
External power supply	to PELV
Voltage range, black cable [V]	24 DC
Operating temperature [°C]	0 ... 55
Protection class	IP 65/67
Housing material	Pocan
Dimensions [mm]	80 x 45 x 48

## Order data EASi AirBox 1/32 with extended addressing mode

Part number	Description	Inputs	Valves	Valve supply	Protection class
EASi AB100	EASi AirBox 1-F-GE-MO	2	2 x 3/2-way	ASi	IP 65
EASi AB120	EASi AirBox 1-S-GE-MO	2	2 x 3/2-way	ASi	IP 67
EASi AB200	EASi AirBox 32-F-GE-MO	4	2 x 3/2-way	ASi	IP 65
EASi AB220	EASi AirBox 32-S-GE-MO	4	2 x 3/2-way	ASi	IP 67
EASi AB210	EASi AirBox 32-F-SW-MO	4	2 x 3/2-way	AUX.	IP 65
EASi AB230	EASi AirBox 32-S-SW-MO	4	2 x 3/2-way	AUX.	IP 67