



EASi AirBox 1/32 The Pneumatic AS-Interface Module



**Specification
2.1, 3.0**



ATEX Zone 22

IP 65/67

- 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.

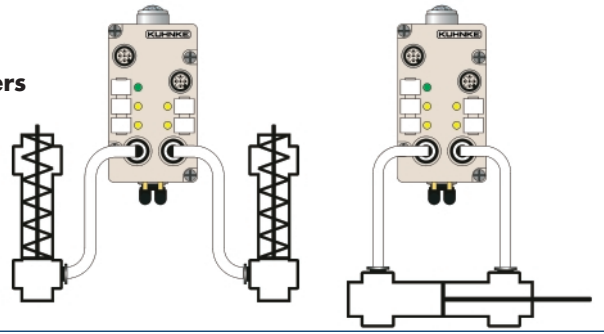
A/B addressable

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
Inputs	
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
Outputs	
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



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