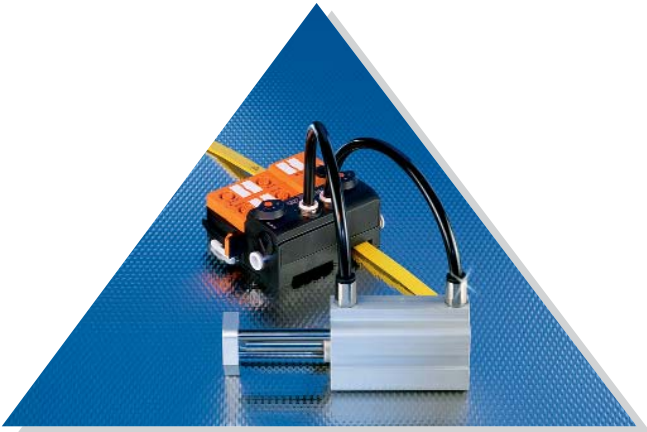


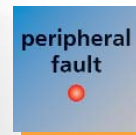


AirBoxes: AS-i pneumatics with quick mounting technology.



Reliable mounting
high protection rating and
new valve functions.

- ▲ Slide valves free from overlapping.
- ▲ Pressure peak resistance up to 12 bar.
- ▲ 3 freely selectable directions of rotation of the flat cable.
- ▲ Extended addressing mode.



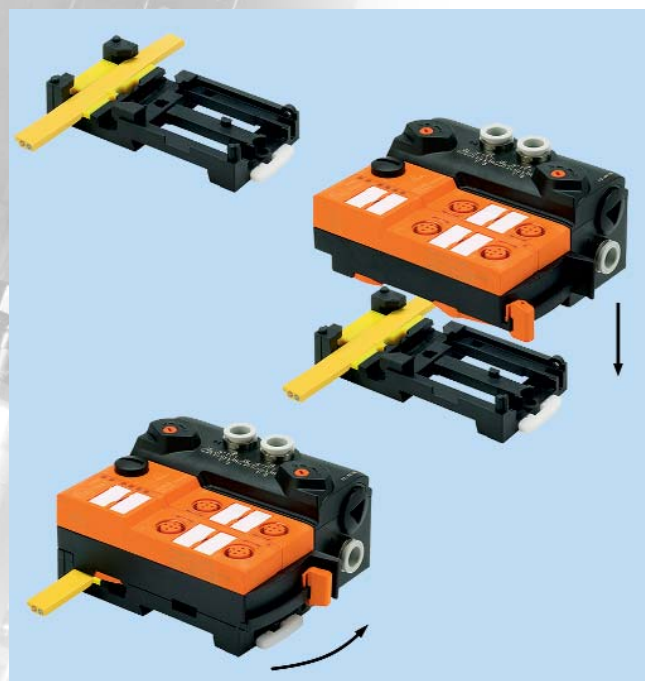
Introduction

After successfully launching the ClassicLine modules for field applications we are now introducing the AirBoxes with various new features.

The AirBoxes are now easier to use with their novel assembly technology, additional valve functions and many other new features.

Special features

- slide valves free from overlapping
- 2 x 3/2-way valves,
1 x 5/2-way valve (monostable/bistable)
- 1 x 5/3-way valve with blocked middle position
- quick mounting of upper and lower parts
- flat cable can be inserted from 3 different directions
- extended addressing mode



fluid sensors
and diagnostic
systems

position
sensors
and object
recognition

bus,
identification
and control systems

Advantages and customer benefits

New valve functions, slide valve technology and an increased pressure peak resistance are the main new features of the AirBoxes.

The easy mounting of the AirBoxes onto the AS-i flat cable using the new quick mounting technology ensures the user of maximum security.

The additional FAULT LED as well as the LEDs for indication of the logical state of the PLC outputs are standard for all AirBox versions.

The AirBoxes can be easily addressed before mounting using the implemented addressing interface without voltage being applied.

Pneumatic function

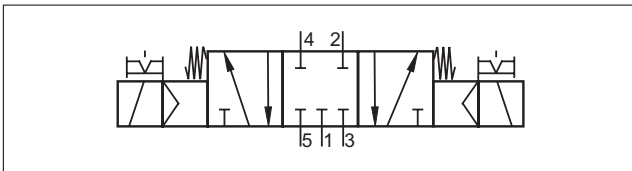
The AirBox in 2 x 3/2-way design is an excellent choice for the connection of two single-acting cylinders. In the event of compressed air failure these cylinders go into a safe position.

The 5/2-way AirBox (monostable/bistable), as well as the 5/3-way AirBox, is particularly suited for the use of double-acting actuators.

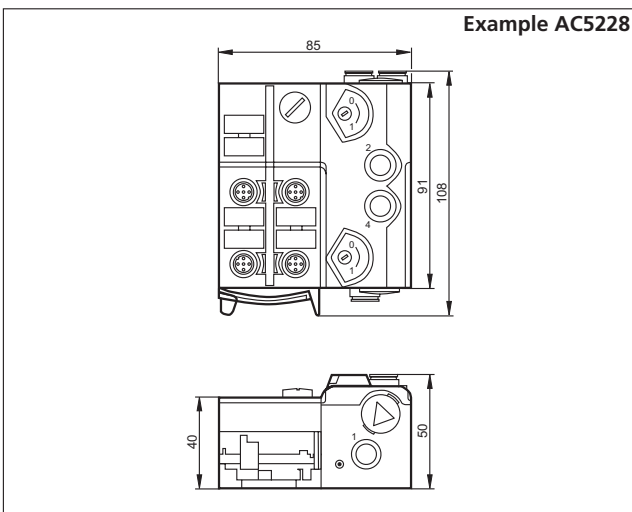
This valve function prevents, for example, dropping of a load in the event of compressed air failure due to the blocked middle position.

In the past this valve function could only be solved with the AirBox using additional accessories such as a pilot-operated non-return valve, directly on the cylinder.

Symbol of the 5/3-way valve








Dimensions



Technical data

AirBox AC5228		
Valve function		2 x 3/2 way
Pressure range	[bar]	2...8
Operating voltage (AS-i)	[V DC]	26.5...31.6
Current rating for all 4 inputs	[mA]	200
Operating temperature	[°C]	-10...55
Protection ratings		IP 65, IP 67
Extended addressing mode		•

Accessories

Type	Description	Order no.
	Splitter box for the flat cable	E70381
	Flat cable end seal	E70413
	Protective cap M12	E73004
	T-connector, 8 mm	E75227
	L-connector, 8 mm	E75228
	Silencer for the exhaust	E75232

Products

Valve functions of the AirBoxes	Order no.
2 x 3/2 ways, 2DI, compatible, AS-i	AC5227
2 x 3/2 ways, 4DI-Y, A/B slave, AS-i	AC5228
2 x 3/2 ways, 4DI-Y, A/B slave, AUX	AC5243
1 x 5/2 ways monostable, 4DI-Y, A/B slave, AS-i	AC5246
1 x 5/2 ways monostable, 4DI-Y, A/B slave, AUX	AC5249
1 x 5/2 ways bistable, 4DI-Y, A/B slave, AS-i	AC5251
1 x 5/2 ways bistable, 4DI-Y, A/B slave, AUX	AC5253
1 x 5/3 ways blocked, 4DI-Y, A/B slave, AS-i	AC5270
1 x 5/3 ways blocked, 4DI-Y, A/B slave, AUX	AC5271

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