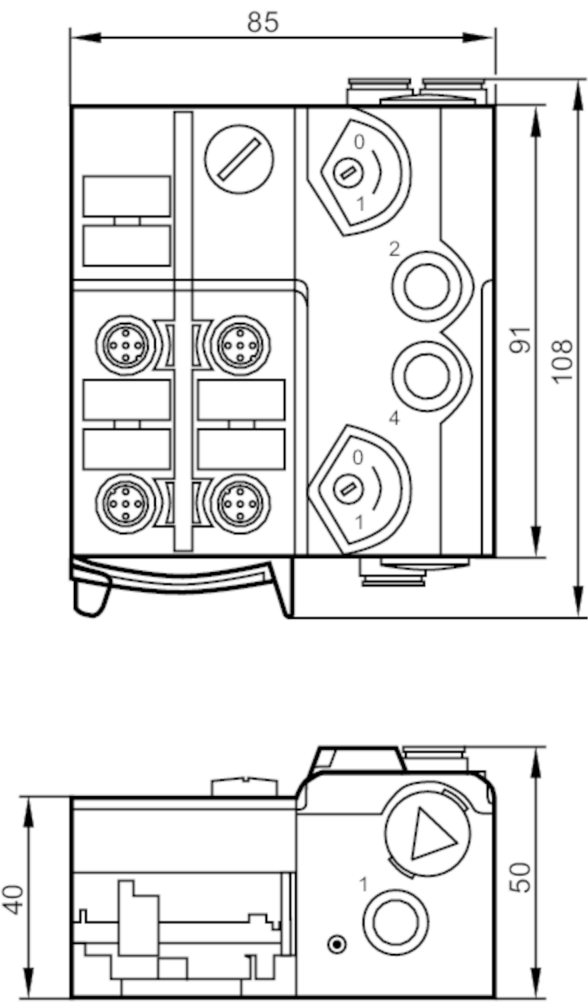




AS-Interface Airbox with quick mounting technology

AirBox 5/2 bistable 4DI-Y AUX



Application		
Application		field installation
Medium temperature	[°C]	-10...50
Electrical data		
Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	280
Additional voltage supply	[V]	18...30 DC; (to PELV)
Additional voltage supply		required
Max. current consumption from additional supply	[mA]	10
Integrated watchdog		yes
Inputs / outputs		
Number of inputs and outputs		Number of digital inputs: 4; Number of pneumatic outputs: 2



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Inputs					
Number of digital inputs	4				
Input circuit of digital inputs	PNP				
Sensor supply of the inputs	AS-i				
Power supply [V]	20...30; (via flat cable)				
Max. total current rating of inputs [mA]	200				
Input current High [mA]	6...10				
Input current Low [mA]	0...2				
Switching level high [V]	> 11				
Digital inputs protected against short circuits	yes				
Outputs					
Number of pneumatic outputs	2; (pneumatic NO/NC selectable output ; bistable; supply: external 24 V power supply)				
Actuator supply outputs	AUX				
Operating conditions					
Ambient temperature [°C]	-10...55				
Protection	IP 65; IP 67				
Tests / approvals					
EMC	EN 50295				
	IEC 61000-6-2				
MTTF [years]	216				
AS-i classification					
AS-i version	2.11; 3.0				
AS-i addressing	addressing socket				
Extended addressing mode	yes				
AS-i master profile	M2; M3; M4				
AS-i profile	S-7.A.E				
AS-i I/O configuration [hex]	7				
AS-i ID code [hex]	A.E				
Assignment of the data bits	data bit	D0	D1	D2	D3
	input	1	2	3	4
	socket	I-1/2	I-1/2 I-2	I-3/4	I-3/4 I-4
	pin	4	2 4	4	2 4
	pneumatic output	2	4	-	-
Mechanical data					
Weight [g]	379.5				
Housing	housing for DIN rail mounting				
Type of mounting	quick mounting				
Dimensions [mm]	108 x 85 x 50				
Materials	PA; POM; piercing contacts: CuSn6 nickel-plated and tin-plated				
Pneumatic system	1 x 5/2-way slide valve (free from overlapping); bistable				
Operating pressure range	3...8 bar	0.3...0.8 MPa		43.5...116 psi	
Air flow at 6/5 bar [l/min]	500				
Permissible compressed air	non-lubricated compressed air class 6-3-1; lubricated compressed air class 6-3-4				

AC5253



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Manual override	pressing/releasing or pressing/turning/locking	
Tube fittings	8 mm	
Exhaust	exhaust can be discharged through tube connection	
Displays / operating elements		
Display	operation	LED, green
	errors	LED, red
	function	LED, yellow
Electrical connection		
Module connection	Flat cables	
Accessories		
Items supplied	lower part	
Accessories (optional)	Mounting plate:, E74999	
	Module lower part:, E75000	
	Protective cap: M12, E73004	
	sealing plugs:, E75231	
	silencer:, E75232	
	Push-in L-fitting:, E75228	
	Push-in T-fitting:, E75227	
Remarks		
Remarks	If not pneumatically operated, E75231 sealing plug must be inserted.	
	Avoid ingress of dirt and dust.	
	Do not connect any of the following points to an external potential:	
	L-, L+, I-1, I-2, I-3, I-4	
	The connections are electrically connected with the AS-i cable.	
	Please see the notes on compressed air and EMC/ESD under "Downloads"	
Pack quantity	1 pcs.	



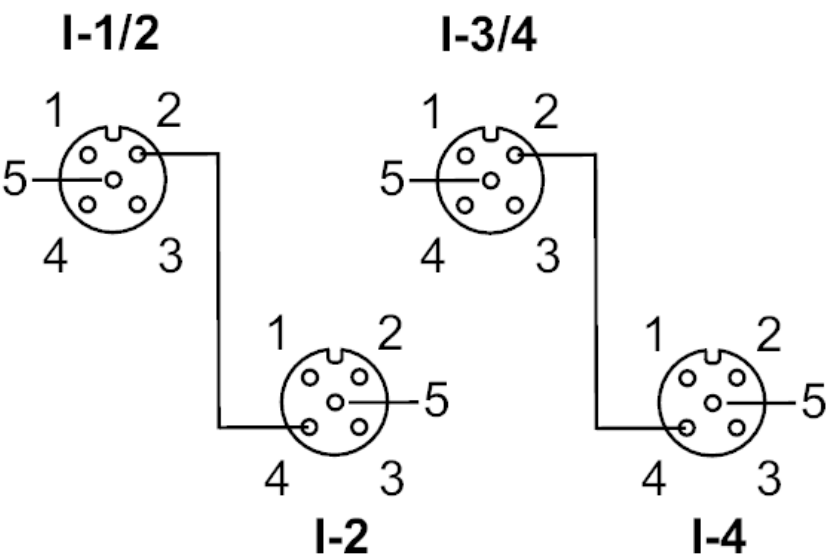
AS-Interface Airbox with quick mounting technology

AirBox 5/2 bistable 4DI-Y AUX

Electrical connection

quick mounting technology for AS-i flat cable: ; three orientations possible

Connection



Connector: M12

Inputs	
socket I-1/2	
1	Sensor supply L+
2	data input 2
3	Sensor supply L-
4	data input 1
5	not used
socket I-2	
1	Sensor supply L+
2	not used
3	Sensor supply L-
4	data input 2
5	not used
socket I-3/4	
1	power supply L+
2	data input 4
3	Sensor supply L-
4	data input 3
5	not used
socket I-4	
1	Sensor supply L+
2	not used
3	Sensor supply L-
4	data input 4
5	not used

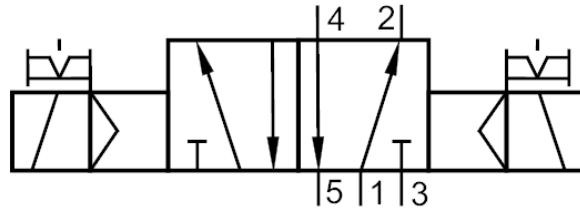


AS-Interface Airbox with quick mounting technology

AirBox 5/2 bistable 4DI-Y AUX

Diagrams and graphs

Pneumatic symbol



1 x 5/2-way slide valve (free from overlapping); bistable