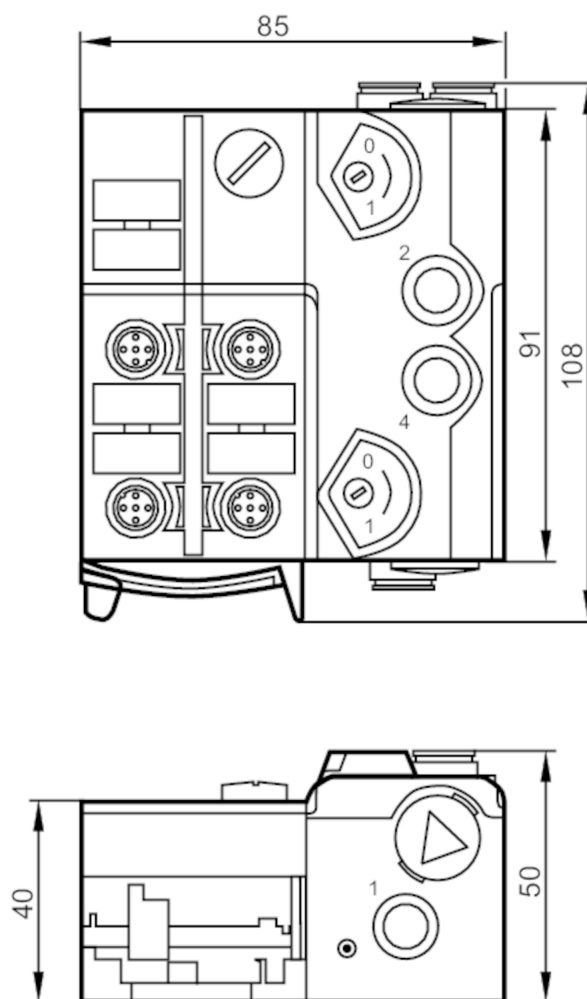


AC5250



AS-Interface Airbox with quick mounting technology

AirBox 5/2 bist. 2DI-Y IP67



Application

Medium temperature [°C] -10...50

Electrical data

Operating voltage [V] 26.5...31.6 DC

Max. current consumption from AS-i [mA] 180

Inputs / outputs

Number of inputs and outputs Number of digital inputs: 2; Number of pneumatic outputs: 2



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Inputs					
Number of digital inputs	2				
Input circuit of digital inputs	PNP				
voltage supply [V]	20...30; (via flat cable)				
Max. total current rating of inputs [mA]	100				
Input current High [mA]	6...10				
Input current Low [mA]	0...2				
Min. switching level high signal [V]	11				
Digital inputs protected against short circuits	yes				
Sensor supply of the inputs	AS-i				
Outputs					
Electrical design	AS-i				
Number of pneumatic outputs	2				
Operating conditions					
Ambient temperature [°C]	-10...55				
Protection	IP 65; IP 67				
Tests / approvals					
EMC	EN 50295				
	IEC 61000-6-2				
MTTF [years]	286				
AS-i classification					
AS-i version	2.11 + 3.0				
AS-i addressing	addressing socket				
Extended addressing mode possible	no				
AS-i profile	S-3.F.F				
AS-i I/O configuration [hex]	3				
AS-i ID code [hex]	F.F				
AS-i certificate pending	yes				
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	-	-
	pin	4	2 4	-	-
	pneumatic output	-	-	4	2



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Mechanical data		
Weight	[g]	381.4
Type of mounting		AS-i flat cables directly connectable
Materials		PA; POM; piercing contacts: CuSn6 nickel-plated and tin-plated;
Pneumatic system		1 x 5/2-way slide valves (free from overlapping); bistable
Operating pressure range	[bar]	3...8
Operating pressure range	[MPa]	0.3...0.8
Operating pressure range	[psi]	43.5...116
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
Manual override		pressing/releasing or pressing/turning/locking
Tube fittings		8
Exhaust		exhaust can be discharged through tube connection
Displays / operating elements		
Display	operation	LED, green
	errors	LED, red
	function	LED, yellow
Accessories		
Accessories (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:
		I-, I+, I1, I2
		The connections are electrically connected with the AS-i cable.
Pack quantity		Notes on compressed air and EMC/ESD at www.ifm.com
		1 pcs.



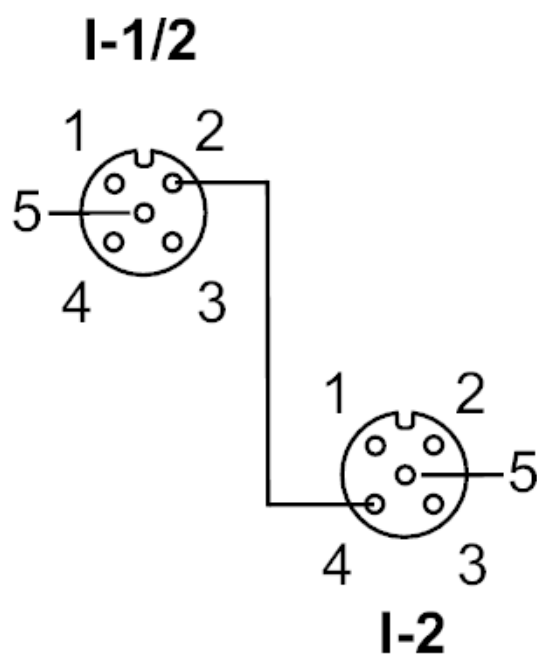
AS-Interface Airbox with quick mounting technology

AirBox 5/2 bist. 2DI-Y IP67

Electrical connection

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

Connection



Inputs

socket I-1/2

- | | |
|---|-----------------------|
| 1 | Sensor supply L+ |
| 2 | data input 2 |
| 3 | Sensor supply L- |
| 4 | data input 1 |
| 5 | functional earth (FE) |

socket I-2

- | | |
|---|-----------------------|
| 1 | Sensor supply L+ |
| 2 | not used |
| 3 | Sensor supply L- |
| 4 | data input 2 |
| 5 | functional earth (FE) |

Connector: M12

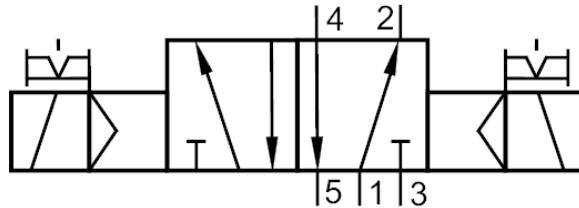


AS-Interface Airbox with quick mounting technology

AirBox 5/2 bist. 2DI-Y IP67

Diagrams and graphs

Pneumatic symbol



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