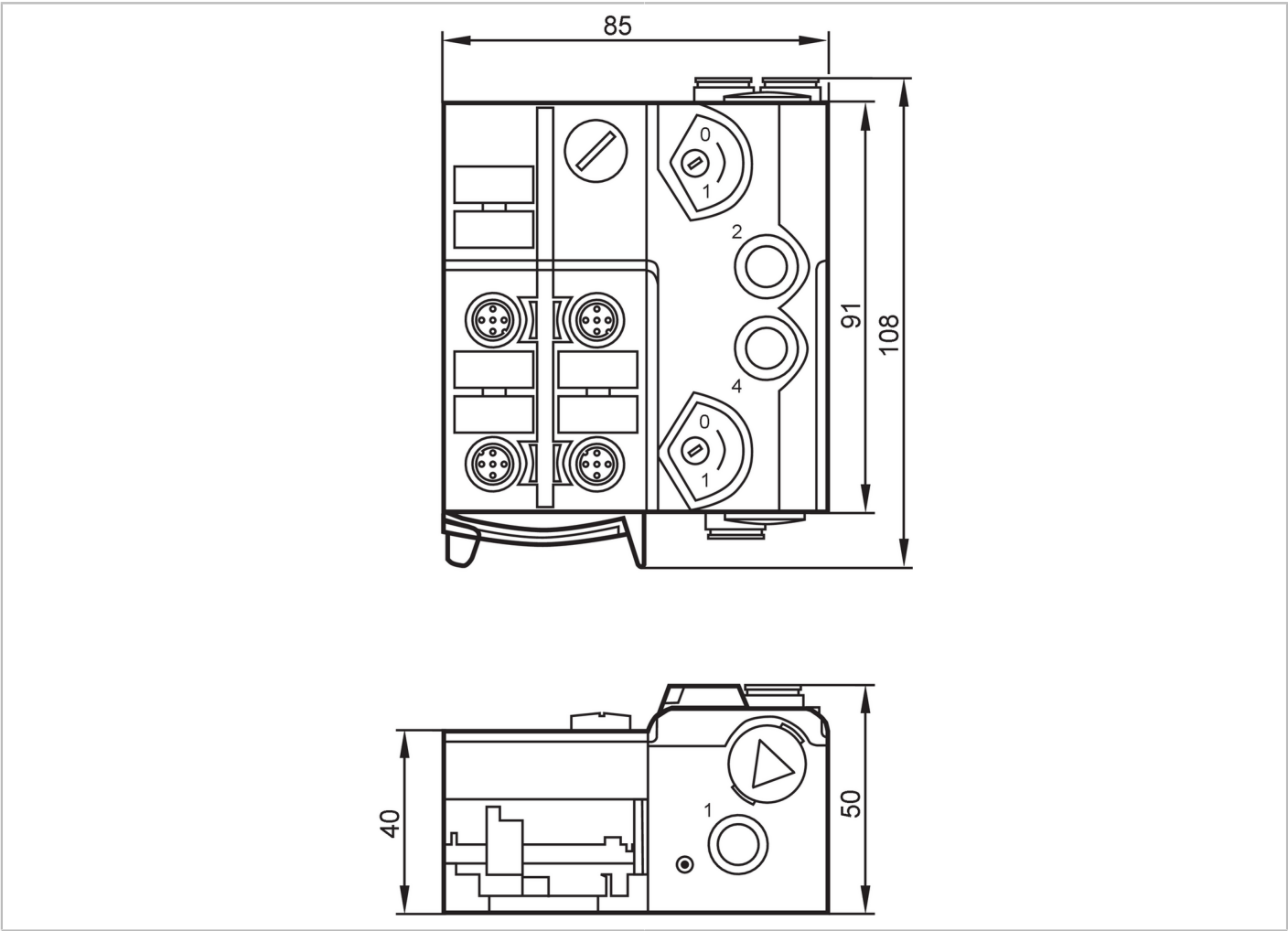


AC5243



AS-Interface Airbox with quick mounting technology

AirBox 2x3/2 4DI-Y IP67 AUX



Application		
Design		housing for DIN rail mounting
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
Inputs		
Number of digital inputs		4



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Input circuit of digital inputs	PNP				
Sensor supply of the inputs	AS-i				
Voltage 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; (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]	237				
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				
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]	381.5				
Housing	rectangular				
Type of mounting	quick mounting; AS-i flat cable connection; Mounting on DIN rail; (TH35 (EN 60715))				
Dimensions [mm]	108 x 85 x 50				
Material	PA; POM; Piercing contacts: CuSn6 nickel-plated and tin-plated				
Pneumatic system	2 x 3/2-way slide valves (free from overlapping)				
Operating pressure range	2...8 bar	0.2...0.8 MPa		29...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				
Manual override	pressing/releasing or pressing/turning/locking				
Tube fittings	8 mm				



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Exhaust	exhaust can be discharged through tube connection
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Displays / operating elements

Display	Power	LED, green
	errors	LED, red
	Function	LED, yellow

Electrical connection

Module connection	Flat cable
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Accessories

Items supplied	lower part
Accessories (optional)	Mounting plate:, E74999
	Module lower part:, E75000
	Protective cap: M12, E73004
	sealing plug:, E75231
	Silencer:, E75232
	Push-in L-fitting:, E75228
	Push-in T-fitting:, E75227

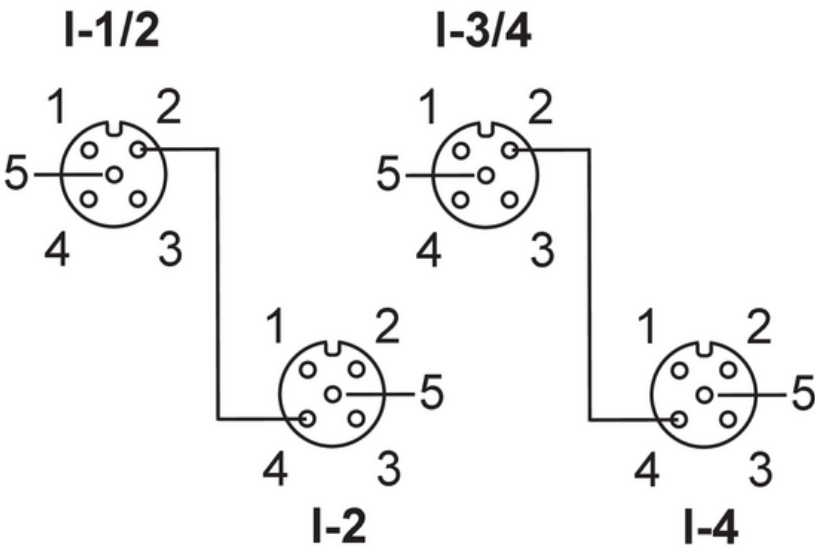
Remarks

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.

Electrical connection

quick mounting technology for AS-i flat cable: ; three selectable directions

Connection





AS-Interface Airbox with quick mounting technology

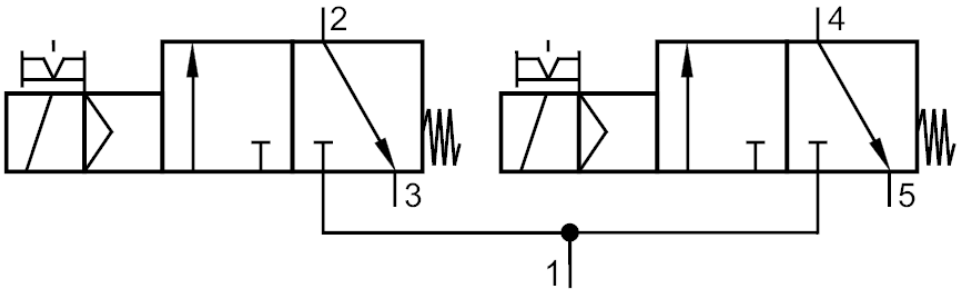
AirBox 2x3/2 4DI-Y IP67 AUX

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	voltage 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

Diagrams and graphs

Pneumatic symbol



2 x 3/2-way slide valves (free from overlapping)