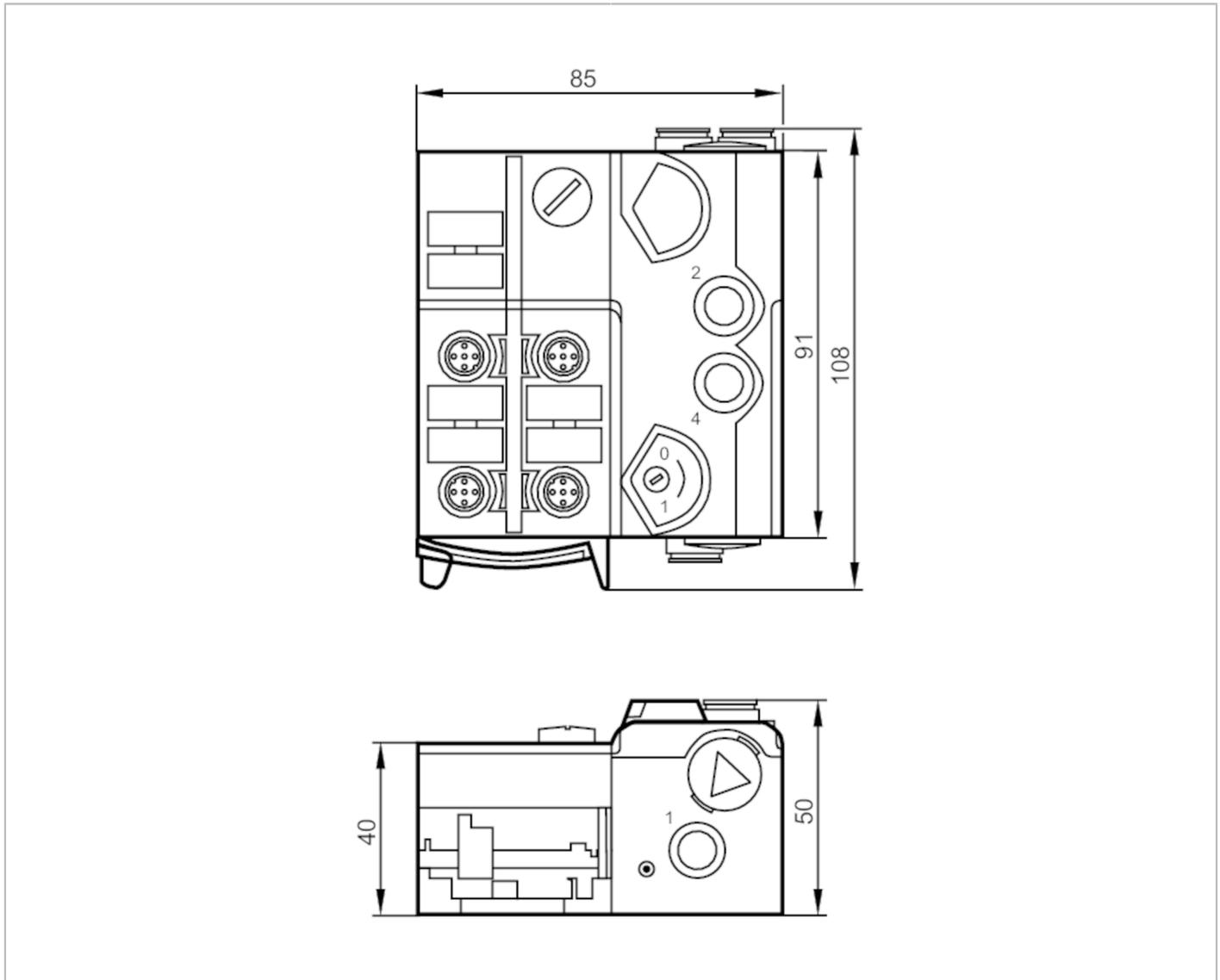


AC5246



AS-Interface Airbox with quick mounting technology

AirBox 5/2 4DI-Y IP67



Application	
Design	housing for DIN rail mounting
Application	field installation
Medium temperature	[-10...50 °C]
Electrical data	
Operating voltage	[V] 26.5...31.6 DC
Max. current consumption from AS-i	[mA] 300
Integrated watchdog	yes
Inputs / outputs	
Number of inputs and outputs	Number of digital inputs: 4; Number of pneumatic outputs: 1
Inputs	
Number of digital inputs	4
Input circuit of digital inputs	PNP

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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	1; (pneumatic NO/NC selectable output ; monostable)		
Actuator supply outputs	AS-i		

Operating conditions

Ambient temperature [°C]	-10...55		
Protection	IP 65; IP 67		

Tests / approvals

EMC	EN 50295		
	IEC 61000-6-2		
MTTF [years]	317		

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	4	-	-	-

Mechanical data

Weight [g]	365.5		
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	1 x 5/2-way slide valve (free from overlapping)		
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		
Manual override	pressing/releasing or pressing/turning/locking		
Tube fittings	8 mm		
Exhaust	exhaust can be discharged through tube connection		

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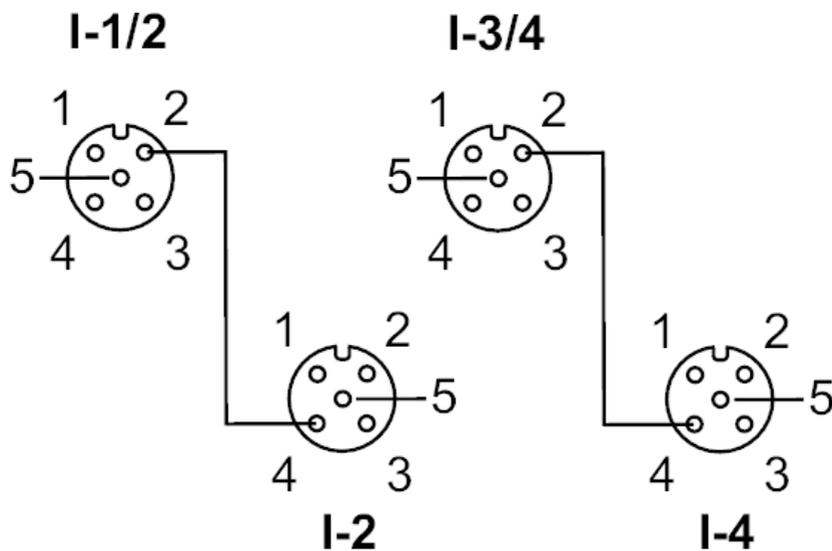
AirBox 5/2 4DI-Y IP67

Displays / operating elements	
Display	Power errors Function
	LED, green LED, red LED, yellow
Electrical connection	
Module connection	Flat cable
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

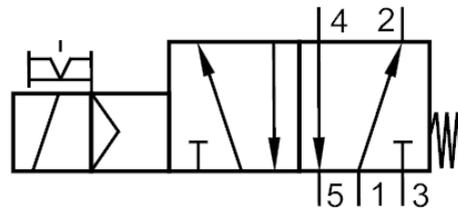
AirBox 5/2 4DI-Y IP67

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



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