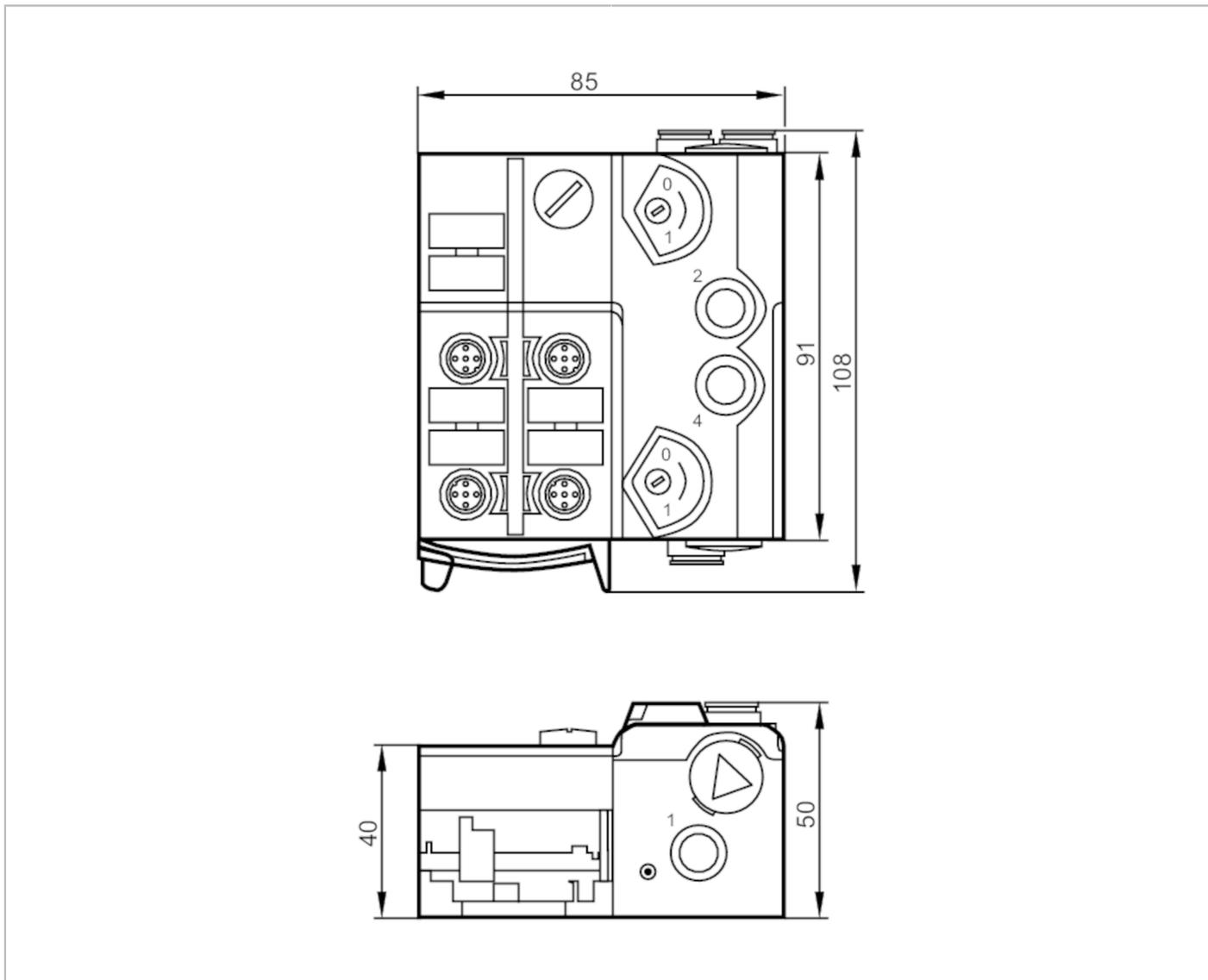


AC5250



AS-Interface Airbox with quick mounting technology

AirBox 5/2 bist. 2DI-Y IP67



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]	180
Inputs / outputs	
Number of inputs and outputs	Number of digital inputs: 2; Number of pneumatic outputs: 2
Inputs	
Number of digital inputs	2
Input circuit of digital inputs	PNP
Sensor supply of the inputs	AS-i
Power supply [V]	20...30; (via flat cable)

AC5250



AS-Interface Airbox with quick mounting technology

AirBox 5/2 bist. 2DI-Y IP67

Max. total current rating of inputs	[mA]	100
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)	
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]	286

AS-i classification

AS-i version	2.11; 3.0				
AS-i addressing	addressing socket				
Extended addressing mode	no				
AS-i master profile	M2; M3; M4				
AS-i profile	S-3.F.F				
AS-i I/O configuration	[hex]	3			
AS-i ID code	[hex]	F.F			
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

Mechanical data

Weight	[g]	383		
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		
Manual override		pressing/releasing or pressing/turning/locking		
Tube fittings		8 mm		
Exhaust		exhaust can be discharged through tube connection		

AC5250



AS-Interface Airbox with quick mounting technology

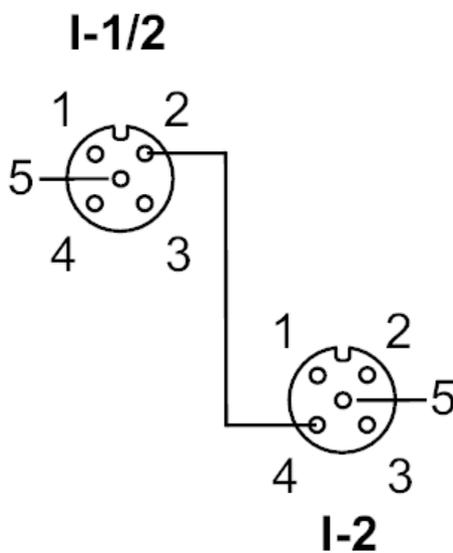
AirBox 5/2 bist. 2DI-Y IP67

Displays / operating elements	
Display	operation errors function
	LED, green LED, red 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: I-, I+, I1, I2 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 orientations possible

Connection



AC5250



AS-Interface Airbox with quick mounting technology

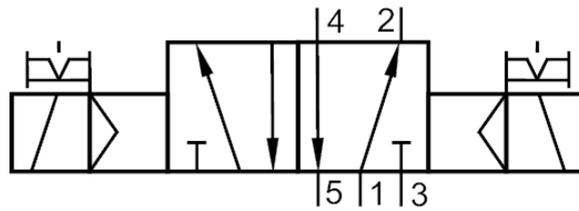
AirBox 5/2 bist. 2DI-Y IP67

Connector: M12

	Inputs
	socket I-1/2
1	Sensor supply L+
2	data input 2
3	Sensor supply L-
4	data input 1
5	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)

Diagrams and graphs

Pneumatic symbol



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