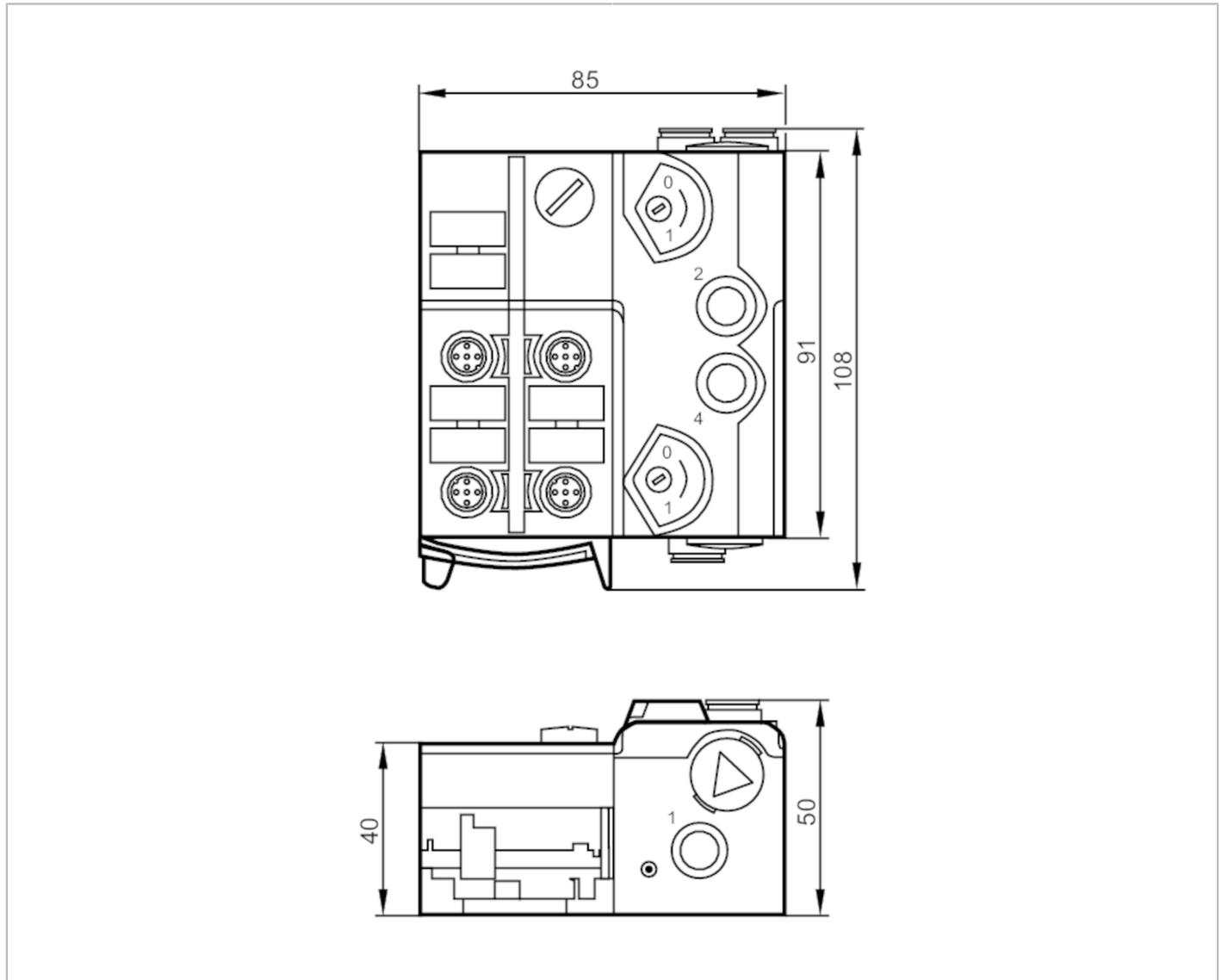


AC5227



AS-Interface Airbox with quick mounting technology

AirBox 2x3/2 2DI 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] 180
Integrated watchdog	yes
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

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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]	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
Actuator supply outputs		AS-i

Operating conditions

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

Tests / approvals

EMC		EN 50295	
		IEC 61000-6-2	
MTTF	[years]	321	

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				
Data bits		Data bit	D0	D1	D2	D3
		Input	1	2	3	4
		Socket	I-1	I-2	-	-
		Pin	2+4	2+4	-	-
		pneumatic output	-	-	2	4

Mechanical data

Weight	[g]	355.9		
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		
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

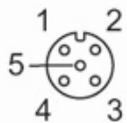
Remarks

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
	The connections are electrically connected with the AS-i cable.
Pack quantity	Please see the notes on compressed air and EMC/ESD under "Downloads"
	1 pcs.

Electrical connection

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

Connector: M12; coding: A



	Inputs
1	voltage supply L+
2	not used
3	Sensor supply L-
4	Data input
5	not used

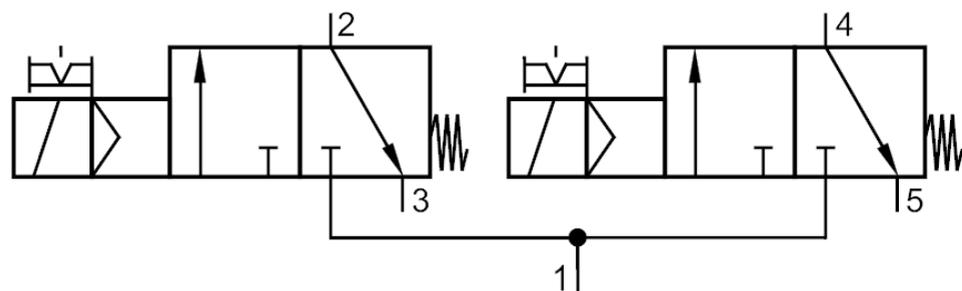


AS-Interface Airbox with quick mounting technology

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Diagrams and graphs

Pneumatic symbol



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