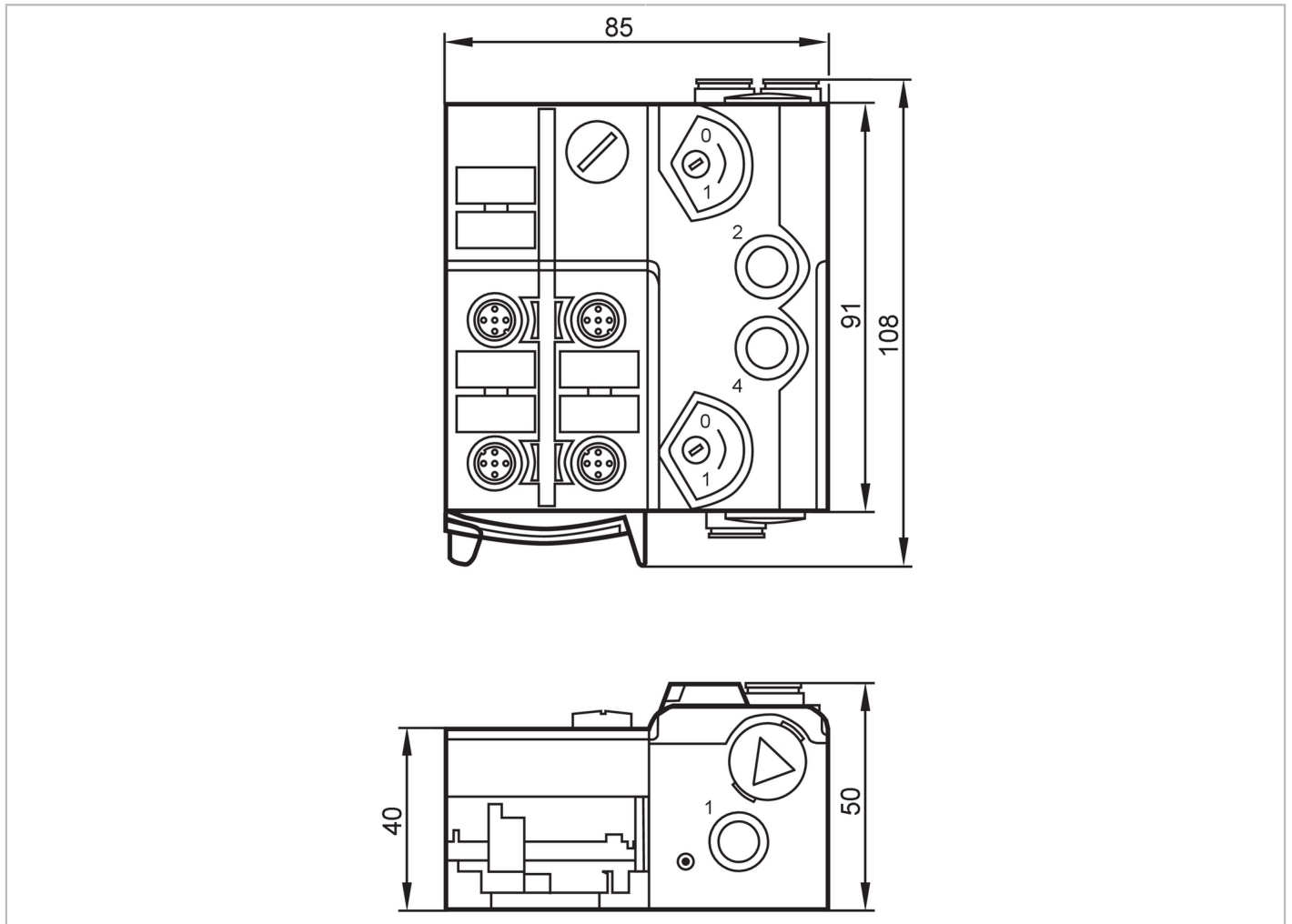


AC5227



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	[26.5...31.6] V DC
Max. current consumption from AS-i	[180] mA
Integrated watchdog	yes

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
Sensor supply of the inputs	AS-i
Voltage supply	[20...30] V (via flat cable)

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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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AS-Interface Airbox with quick mounting technology

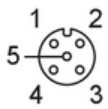
AirBox 2x3/2 2DI IP67

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 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

Connector: M12; coding: A; Contacts: 3



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

Diagrams and graphs

