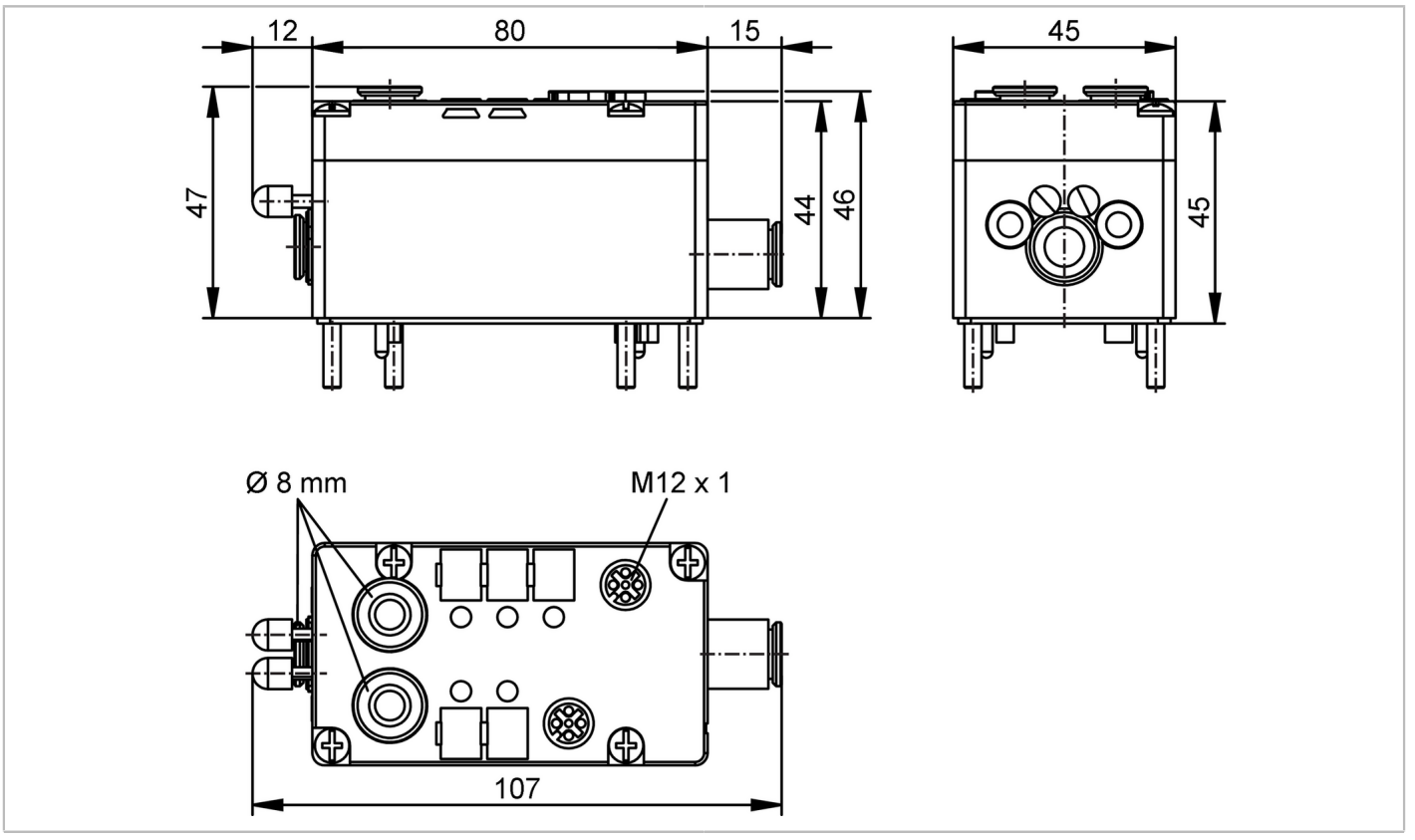
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AS-Interface AirBox

AirBox 2DI 2PO M12



Application		
Application		field installation; for use in wet environments
Electrical data		
Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	150
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
Sensor supply of the inputs		AS-i
Voltage supply	[V]	20...30
Max. total current rating of inputs	[mA]	100
Input current High	[mA]	> 3
Input current Low	[mA]	< 1.5
Switching level high	[V]	> 10
Digital inputs protected against short circuits		yes

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AS-Interface AirBox

AirBox 2DI 2PO M12

Outputs						
Number of pneumatic outputs		2				
Actuator supply outputs		AS-i				
Operating conditions						
Ambient temperature	[°C]	0...55				
Note on ambient temperature		with special compressed air treatment: < 0 °C				
		the derating of the current load indicated in the operating instructions is to be taken into account at the following ambient temperature: > 50 °C				
Storage temperature	[°C]	-20...80				
Max. relative air humidity	[%]	90; (non condensing)				
Max. height above sea level	[m]	2000				
Protection		IP 67				
Pollution degree		2				
Tests / approvals						
EMC		EN 62026-2				
		EN IEC 61000-6-2				
		EN IEC 61000-6-4				
		EN IEC 61326-1				
AS-i classification						
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
		Inputs / outputs	I-1	I-2	O-3	O-4
Mechanical data						
Weight	[g]	254.5				
Housing		rectangular				
Type of mounting		AS-i interface to FC and SC lower parts				
Dimensions	[mm]	45 x 80 x 47				
Materials		housing: PBT				
Pneumatic system		2 x 3/2-way seat valves				
Operating pressure range	[bar]	2...8				
Note on working pressure range		incl. possible pressure peaks				
Air flow at 6/5 bar	[l/min]	350				
Air flow at 6/0 bar	[l/min]	550				
Permissible compressed air		filtered (5 µm); lubricated (ISO-VG10) or not lubricated				
Tube fittings		Legris LF 3000/8				
Exhaust		exhaust can be discharged through tube connection				
Displays / operating elements						
Display		operation	LED, green (AS-i)			
		switching status	LED, yellow (I1...I2, O3...O4)			

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AS-Interface AirBox

AirBox 2DI 2PO M12

Electrical connection	
Module connection	Flat cables

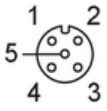
Accessories	
Accessories (optional)	silencer:, E75232

Remarks	
Remarks	Please see the notes on compressed air and EMC/ESD under "Downloads"
Pack quantity	1 pcs.

Electrical connection - socket I-1

contact pins to module lower part, FK / PG:

Connector: M12; coding: A; Contacts: 4

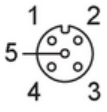


	Inputs
1	Sensor supply L+
2+4	data input internally bridged I1
3	Sensor supply L-

Electrical connection - socket I-2

contact pins to module lower part, FK / PG:

Connector: M12; coding: A; Contacts: 4



	Inputs
1	Sensor supply L+
2+4	data input internally bridged I2
3	Sensor supply L-