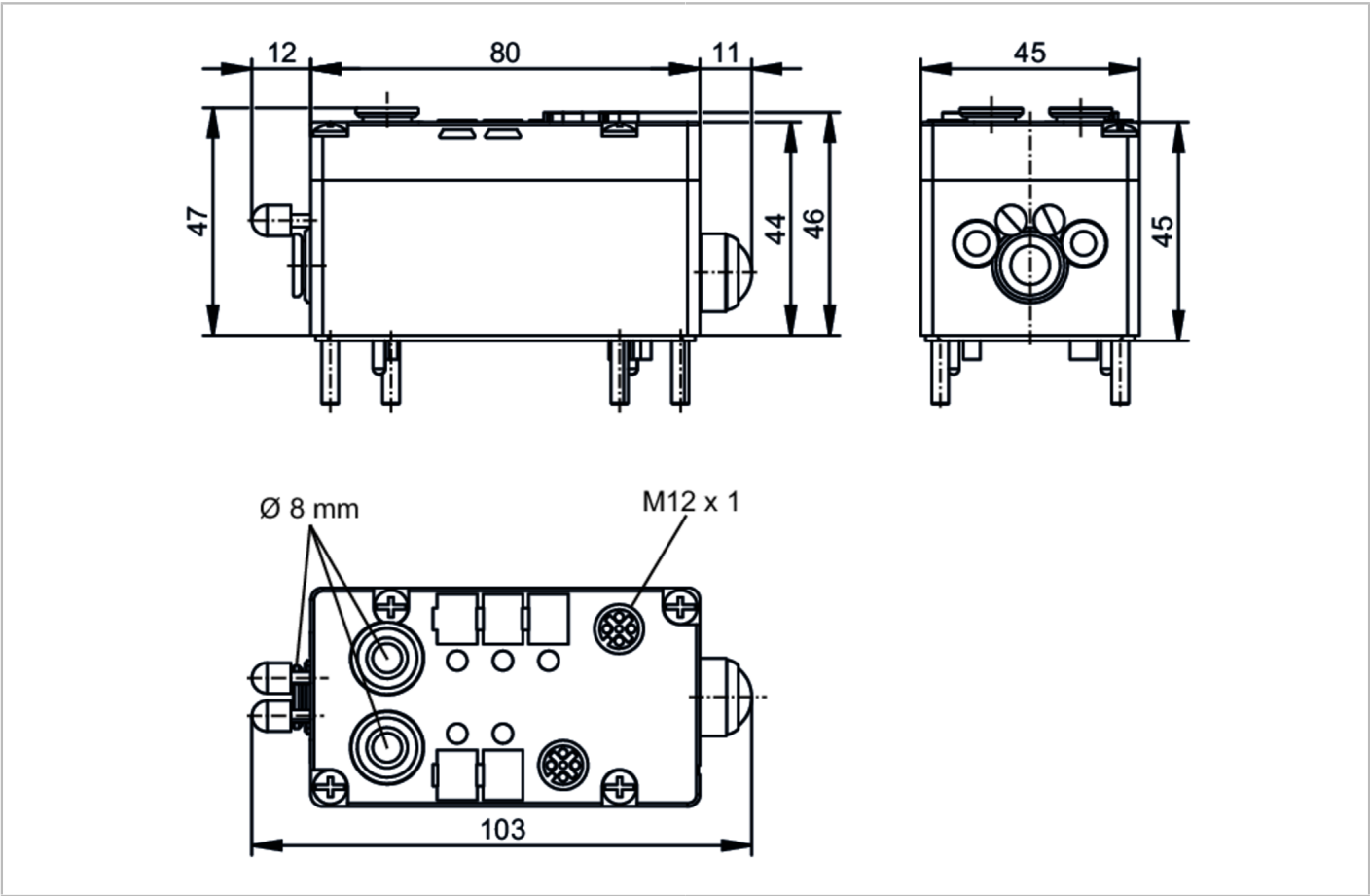




AS-Interface AirBox

AirBox 2DI 2PO M12



Application		
Application		field installation
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
Power 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



AS-Interface AirBox

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Digital inputs protected against short circuits	yes
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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
Storage temperature [°C]	-20...80
Max. relative air humidity [%]	90; (non condensing)
Max. height above sea level [m]	2000
Protection	IP 65
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]	253.5
Type of mounting	screw mounting
Dimensions [mm]	45 x 80 x 46
Materials	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	integrated exhaust

Displays / operating elements

Display	operation	LED, green (AS-i)
	switching status	LED, yellow (I1...I2, O3...O4)

Electrical connection

Module connection	Flat cables
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AS-Interface AirBox

AirBox 2DI 2PO M12

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



	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



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