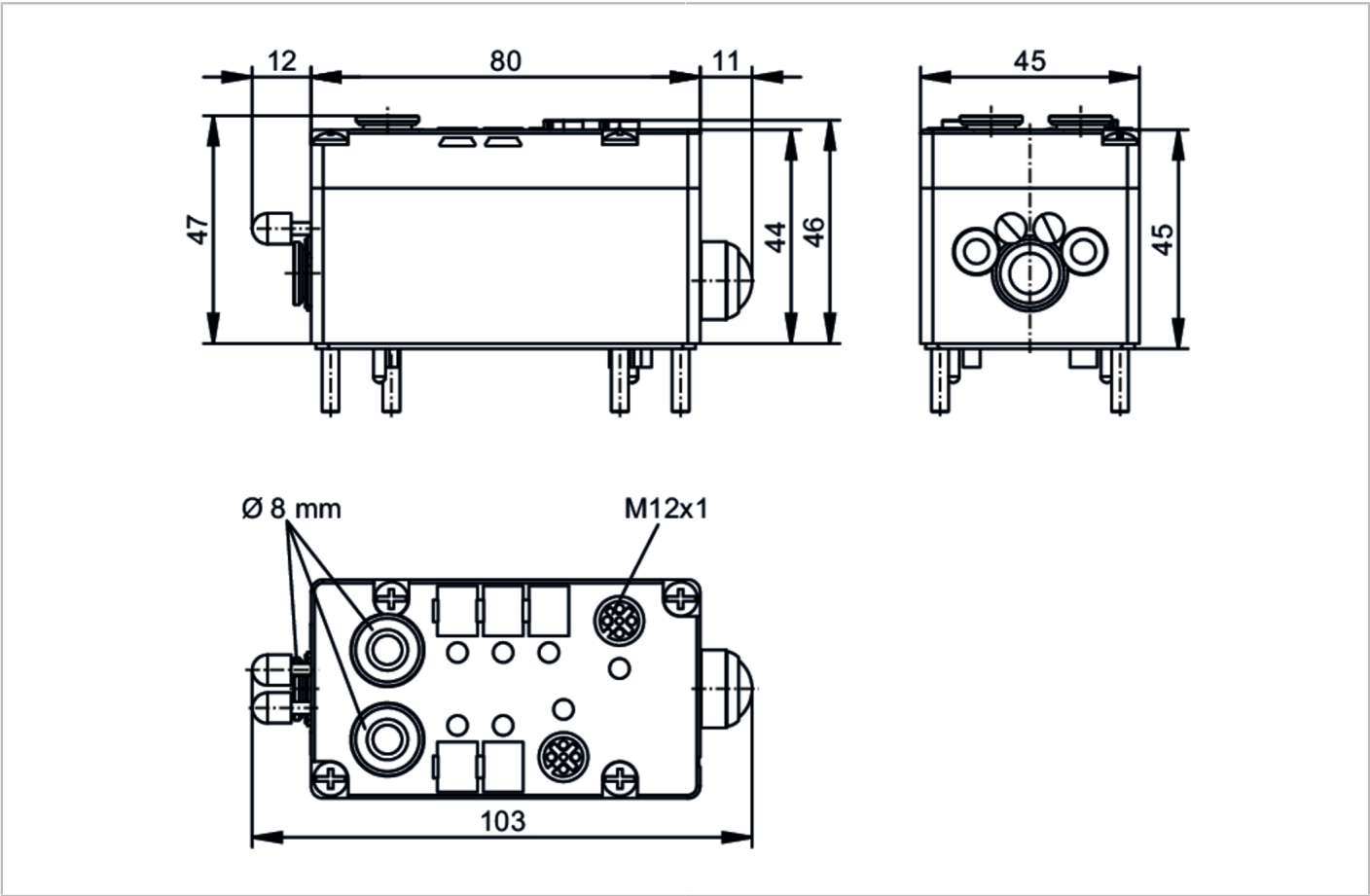


AC2042



AS-Interface Airbox

AirBox 2x2DI 2PO M12



Application		
Application		field installation
Electrical data		
Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	170
Integrated watchdog		yes
Inputs / outputs		
Number of inputs and outputs		Number of digital inputs: 4; Number of pneumatic outputs: 2
Inputs		
Number of digital inputs		4; (2 x 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



AS-Interface Airbox

AirBox 2x2DI 2PO M12

Digital inputs protected against short circuits	yes				
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. height above sea level [m]	2000				
Protection	IP 65				
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-7.F.F				
AS-i I/O configuration [hex]	7				
AS-i ID code [hex]	F.F				
Data bits	Data bit	D0	D1	D2	D3
	Inputs / outputs	I-1	I-2	I-3/ O-3	I-4 / O-4
	Pin	4	2	4	2
Mechanical data					
Weight [g]	253.5				
Type of mounting	screw mounting				
Dimensions [mm]	45 x 80 x 46				
Material	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	Power	LED, green (AS-i)			
	Switching status	LED, yellow (I1...I4, O3...O4)			
Electrical connection					
Module connection	Flat cable				



AS-Interface Airbox

AirBox 2x2DI 2PO M12

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

Electrical connection - Socket I-1/2

contact pins to module lower part, FK / PG:

Connector: M12; coding: A



Inputs	
1	Sensor supply L+
2	Data input I2
3	Sensor supply L-
4	Data input I1
5	not used

Electrical connection - Socket I-3/4

contact pins to module lower part, FK / PG:

Connector: M12; coding: A



Inputs	
1	Sensor supply L+
2	Data input I4
3	Sensor supply L-
4	Data input I3
5	not used