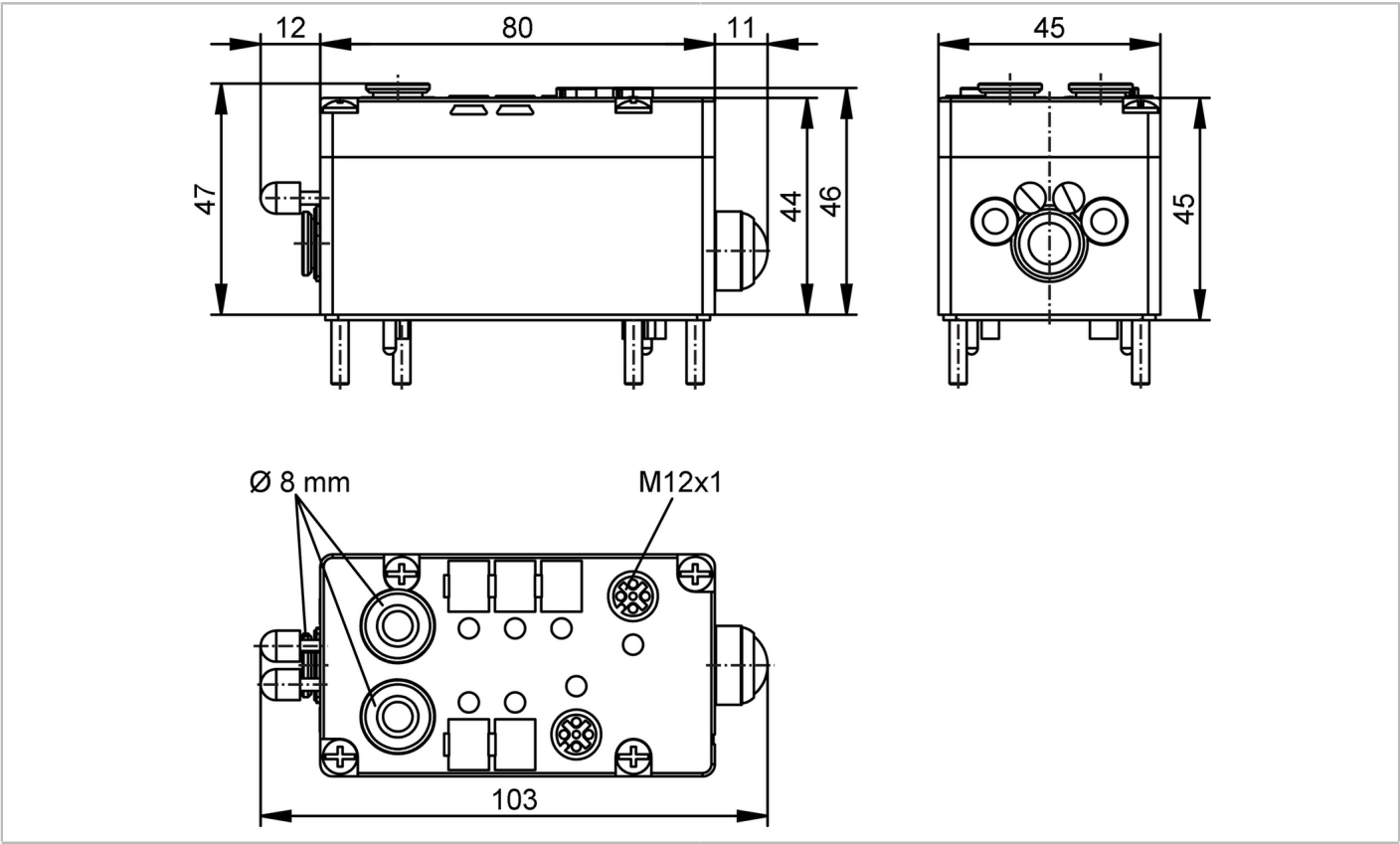




AS-Interface Airbox

AirBox 2x2DI 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]	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
Digital inputs protected against short circuits		yes



AS-Interface Airbox

AirBox 2x2DI 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. 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				
Housing		rectangular				
Type of mounting		AS-i interface to FC and SC lower parts				
Dimensions		[mm] 109 x 45 x 47				
Material		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		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

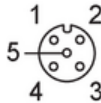
AirBox 2x2DI 2PO M12

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; Contacts: 4

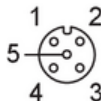


Inputs	
1	Sensor supply L+
2	Data input I2
3	Sensor supply L-
4	Data input I1
5	not used

Electrical connection - Socket I-3/4

contact pins to module lower part, FK / PG:

Connector: M12; coding: A; Contacts: 4



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