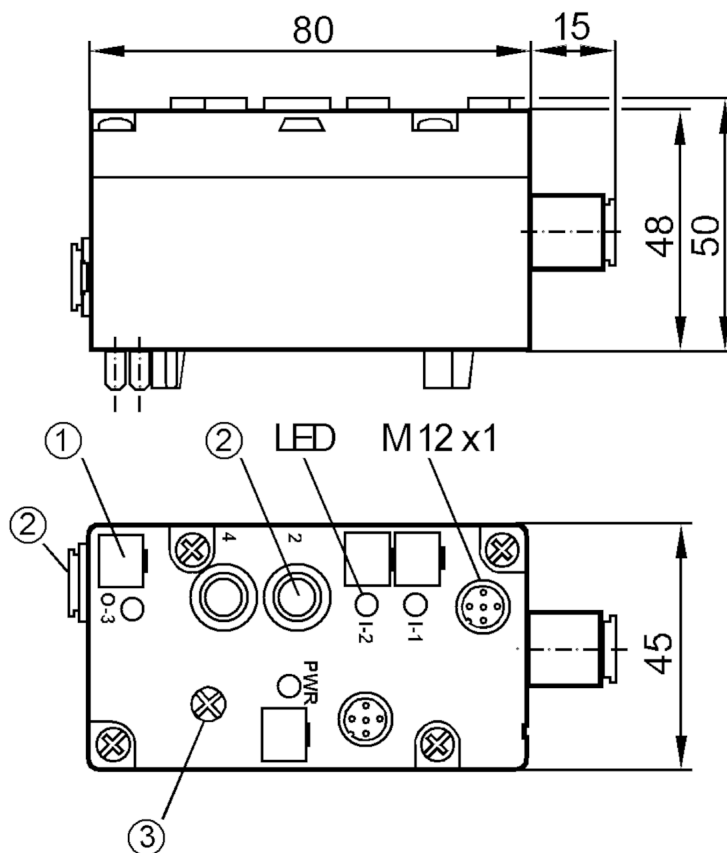


# AC2057



## AS-Interface AirBox

Airbox 2DI 1PO M12 V2A



- 1 panel for labelling
- 2 tube connection  $\varnothing$  8 mm
- 3 screw for manual override



### Electrical data

Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	165
Integrated watchdog		yes

### Inputs / outputs

Number of inputs and outputs	Number of digital inputs: 2; Number of pneumatic outputs: 1
------------------------------	---



## AS-Interface AirBox

Airbox 2DI 1PO M12 V2A

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										
Min. switching level high signal [V]	10										
Digital inputs protected against short circuits	yes										
Outputs											
Electrical design	AS-i										
Number of pneumatic outputs	1; (pneumatic NO/NC selectable output ; monostable)										
Operating conditions											
Ambient temperature [°C]	0...55										
Note on ambient temperature	with special compressed air treatment: < 0 °C										
Protection	IP 67										
Tests / approvals											
EMC	EN 50295										
AS-i classification											
AS-i profile	S-3.F										
AS-i I/O configuration [hex]	3										
AS-i ID code [hex]	F										
AS-i certificate pending	yes										
Assignment of the data bits	<table border="1"> <thead> <tr> <th>data bit</th> <th>D0</th> <th>D1</th> <th>D2</th> <th>D3</th> </tr> </thead> <tbody> <tr> <td>Inputs / outputs</td> <td>I-1</td> <td>I-2</td> <td>O-3</td> <td>not used</td> </tr> </tbody> </table>	data bit	D0	D1	D2	D3	Inputs / outputs	I-1	I-2	O-3	not used
data bit	D0	D1	D2	D3							
Inputs / outputs	I-1	I-2	O-3	not used							
Mechanical data											
Weight [g]	243										
Type of mounting	AS-i interface to FC lower parts										
Materials	housing: PBT; metal parts: stainless steel (1.4305 / 303); Sealing: FKM										
Pneumatic system	one 4/2-way seat valve										
Operating pressure range [bar]	3...8										
Operating pressure range [MPa]	0.3...0.8										
Note on working pressure range	incl. possible pressure peaks										
Air flow at 6/5 bar [l/min]	500										
Air flow at 6/0 bar [l/min]	700										
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										

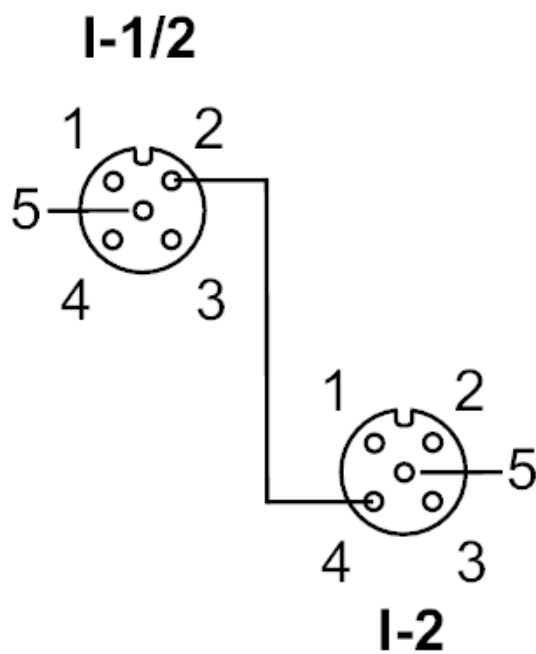
# AC2057



## AS-Interface AirBox

Airbox 2DI 1PO M12 V2A

Displays / operating elements		
Display	operation	LED, green
	function	LED, yellow
Accessories		
Accessories (optional)	silencer, E75232	
Remarks		
Remarks	Notes on compressed air and EMC/ESD at <a href="http://www.ifm.com">www.ifm.com</a>	
Pack quantity	1 pcs.	
Electrical connection		
contact pins to module lower part, FK / PG:		
Connection		



# AC2057



## AS-Interface AirBox

Airbox 2DI 1PO M12 V2A

	input
	socket I-1/2
1	Sensor supply L+
2	data input 2
3	Sensor supply L-
4	data input 1
5	not used
	socket I-2
1	Sensor supply L+
2	not used
3	Sensor supply L-
4	data input 2
5	not used