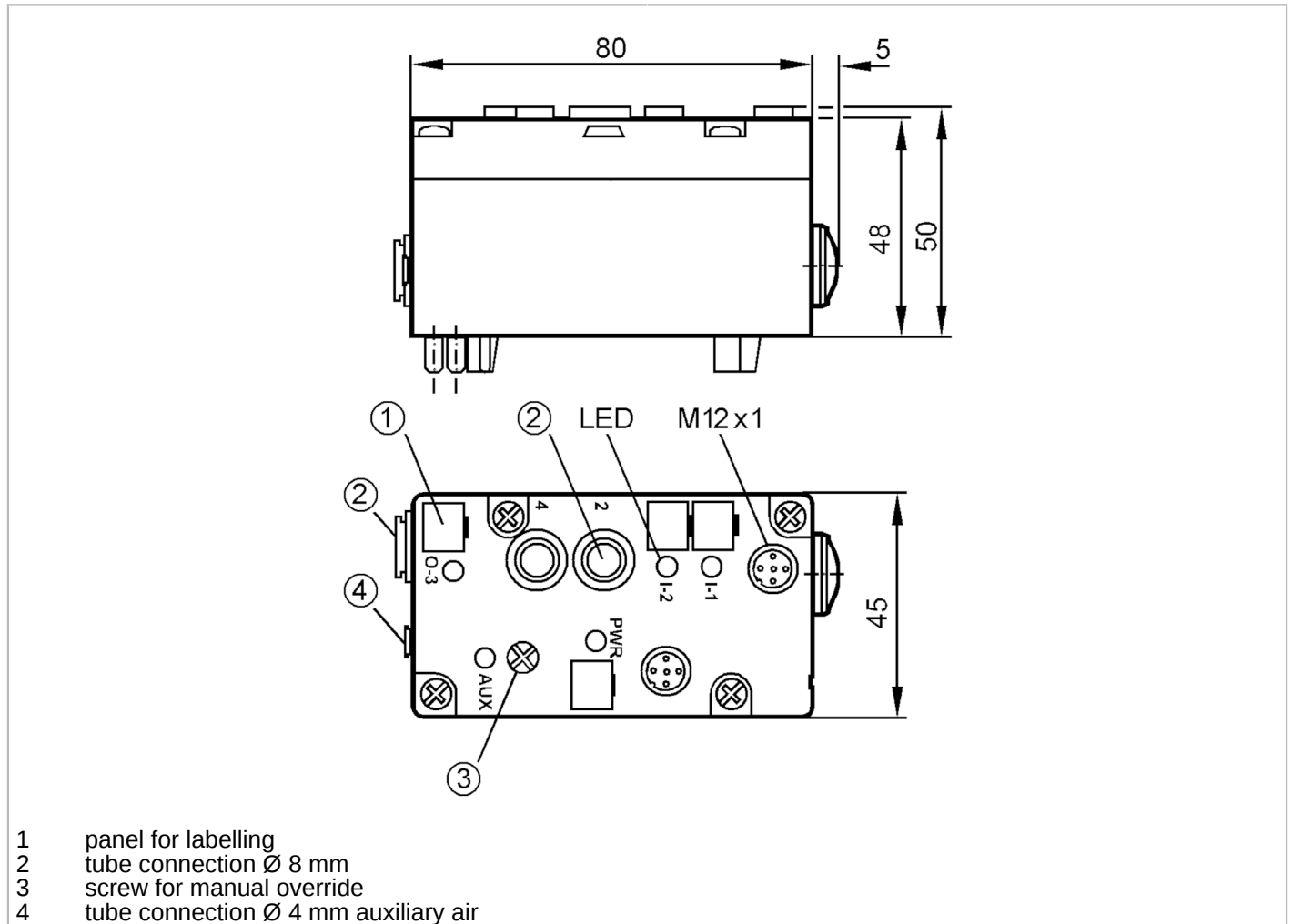


AC2048



AS-Interface AirBox

AirBox 2DI 1PO M12



- 1 panel for labelling
- 2 tube connection Ø 8 mm
- 3 screw for manual override
- 4 tube connection Ø 4 mm auxiliary air



Electrical data

Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	165
Additional voltage supply	[V]	18...30 DC; (to PELV)
Integrated watchdog		yes

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AS-Interface AirBox

AirBox 2DI 1PO M12

Inputs					
Number of digital inputs	2				
Input circuit of digital inputs	PNP				
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				
Sensor supply of the inputs	AS-i				
Outputs					
Electrical design	AS-i				
Number of pneumatic outputs	1				
Operating conditions					
Ambient temperature [°C]	0...55				
Note on ambient temperature	with special compressed air treatment: < 0 °C				
Protection	IP 65				
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	data bit	D0	D1	D2	D3
	socket	I-1	I-1 / I-2	O-3	-
	pin	4	2 / 4	-	

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AS-Interface AirBox

AirBox 2DI 1PO M12

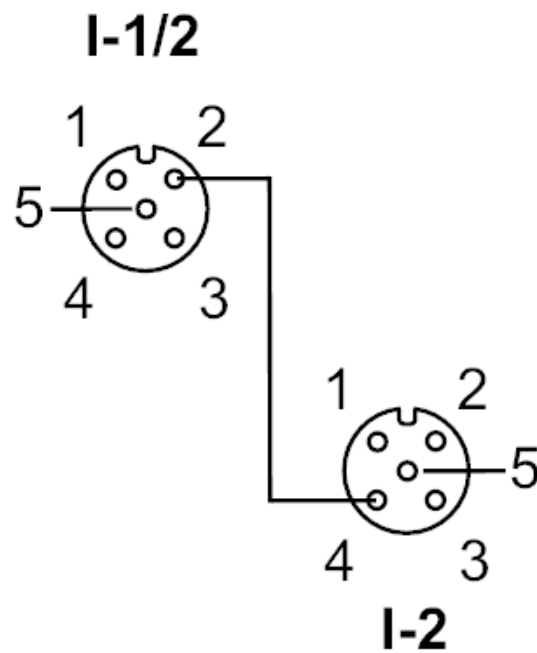
Mechanical data		
Weight	[g]	245
Type of mounting		AS-i interface to FC-E lower parts
Materials		PBT
Pneumatic system		one 4/2-way seat valve
Operating pressure range	[bar]	3...8
Operating pressure range	[MPa]	0.3...0.8
Note on working pressure range		incl. possible pressure peaks
Air flow at 6/5 bar	[l/min]	500
Air flow at 6/0 bar	[l/min]	700
Permissible compressed air		filtered (5 µm); lubricated (ISO-VG10) or not lubricated
Auxiliary air 90 % vacuum	[bar]	3...8
Auxiliary air 90 % vacuum	[MPa]	0.3...0.8
Tube fittings		Legris LF 3000/8 / LF 3000/4
Exhaust		integrated exhaust
Displays / operating elements		
Display	operation	LED, green
	function	LED, yellow
Remarks		
Remarks		Notes on compressed air and EMC/ESD at www.ifm.com
Pack quantity		1 pcs.



Electrical connection

contact pins to module lower part, FK-E / PG:

Connection



	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

Connector: M12