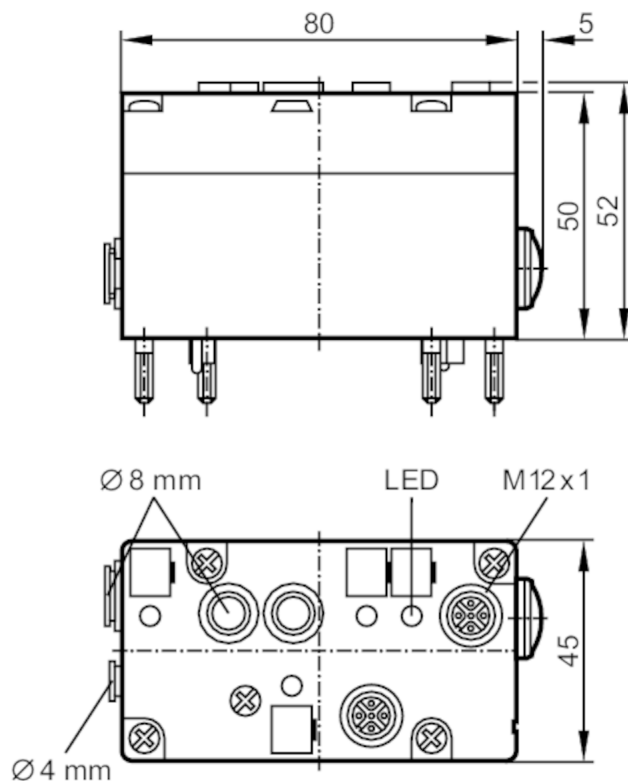




Electrical data

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

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



AS-Interface AirBox

AirBox 2DI 1PO M12

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	-	
Mechanical data						
Weight	[g]	242.5				
Type of mounting		AS-i interface to FC 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.				



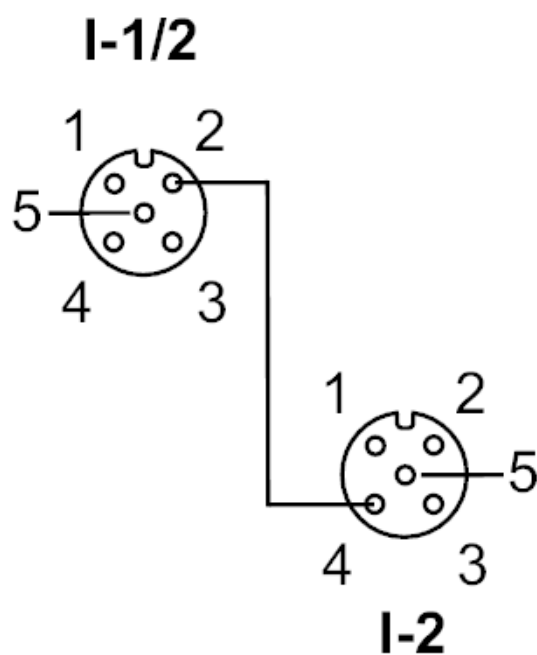
AS-Interface AirBox

AirBox 2DI 1PO M12

Electrical connection

contact pins to module lower part, FK / 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