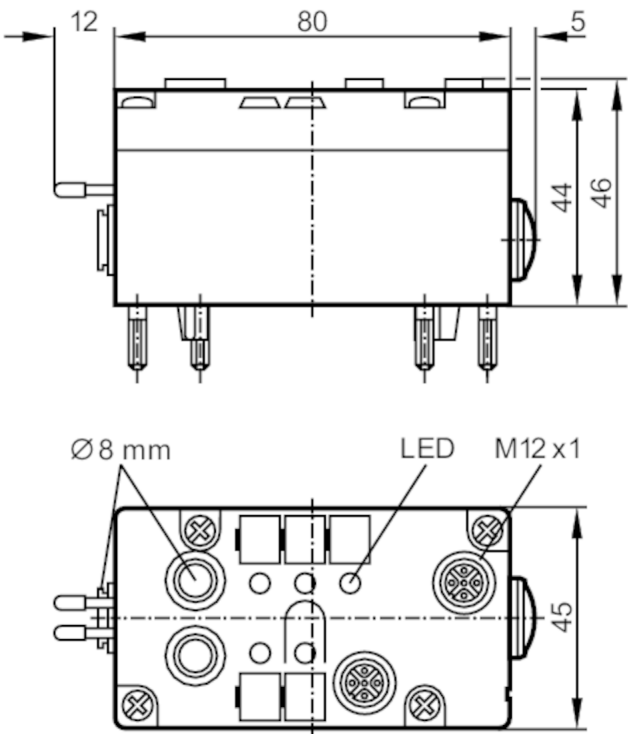




AS-Interface AirBox

AirBox 2x2DI 2PO M12



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



AS-Interface AirBox

AirBox 2x2DI 2PO 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-7.F				
AS-i I/O configuration	[hex]	7				
AS-i ID code	[hex]	F				
AS-i certificate pending		yes				
Assignment of the data bits		data bit	D0	D1	D2	D3
		socket	I-1/2	I-1/2	I-3/4 + O-3	I-3/4 + O-4
		pin	4	2	4	4
Mechanical data						
Weight	[g]	252.5				
Type of mounting		AS-i interface to FC lower parts				
Materials		PBT				
Pneumatic system		two 3/2-way seat valves				
Operating pressure range	[bar]	2...8				
Operating pressure range	[MPa]	0.2...0.8				
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		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 2x2DI 2PO M12

Electrical connection

contact pins to module lower part, FK / PG:

	input
1	Sensor supply L+
2	data input I2 / I4
3	Sensor supply L-
4	data input I1 / I3
5	not used

Connector: M12

