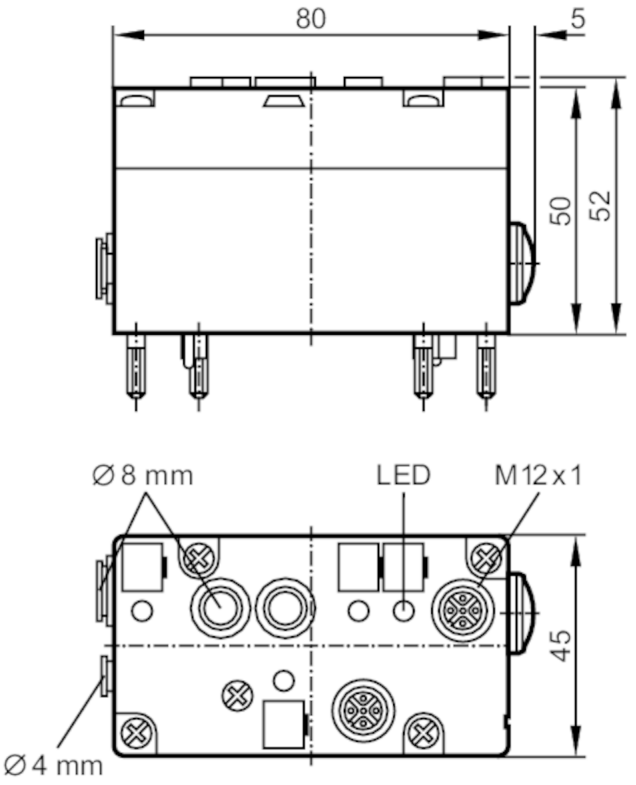
AC2046

AS-Interface AirBox

AirBox 2DI 1PO M12



Application		
Application		field installation
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
Inputs		
Number of digital inputs		2
Input circuit of digital inputs		PNP
Sensor supply of the inputs		AS-i
Power 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

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Outputs						
Number of pneumatic outputs		1; (pneumatic NO/NC selectable output ; monostable)				
Actuator supply outputs		AS-i				
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						
Extended addressing mode		no				
AS-i master profile		M2; M3; M4				
AS-i profile		S-3.F				
AS-i I/O configuration	[hex]	3				
AS-i ID code	[hex]	F				
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]	243.5				
Type of mounting		screw mounting				
Materials		PBT				
Pneumatic system		1 x 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			
Electrical connection						
Module connection		Flat cables				
Remarks						
Remarks		Please see the notes on compressed air and EMC/ESD under "Downloads"				
Pack quantity		1 pcs.				

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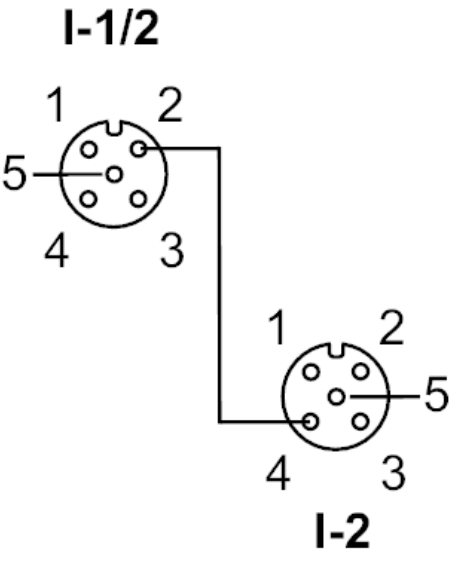
Electrical connection

contact pins to module lower part, FK / PG:

Connection



Connector: M12

	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