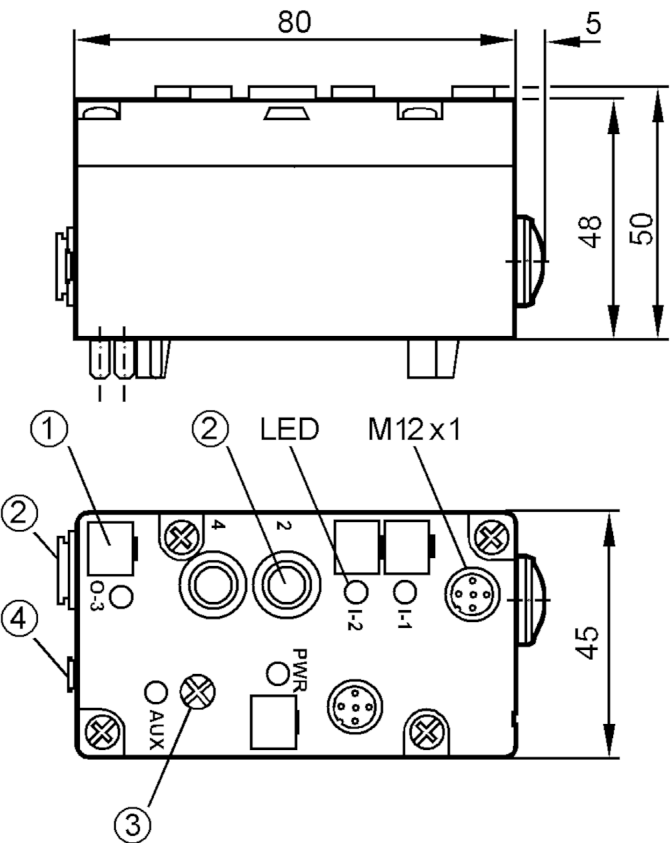




AS-Interface AirBox

AirBox 2DI 1PO M12



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



Application	
Application	field installation
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
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



AS-Interface AirBox

AirBox 2DI 1PO M12

Input current Low	[mA]	< 1.5			
Switching level high	[V]	> 10			
Digital inputs protected against short circuits		yes			
Outputs					
Number of pneumatic outputs		1; (pneumatic NO/NC selectable output ; monostable)			
Actuator supply outputs		AUX			
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]	245			
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			

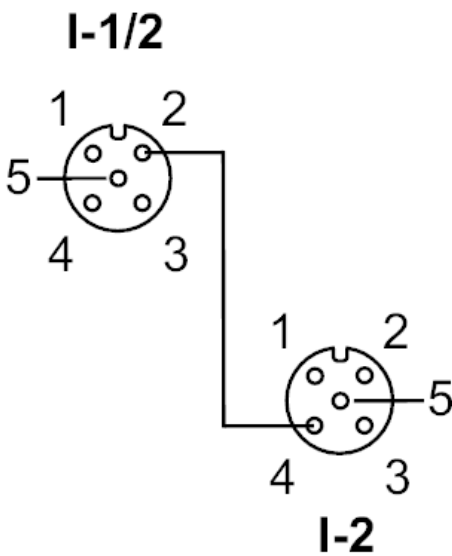


AS-Interface AirBox

AirBox 2DI 1PO M12

Remarks	
Remarks	Please see the notes on compressed air and EMC/ESD under "Downloads"
Pack quantity	1 pcs.

Electrical connection
contact pins to module lower part, FK-E / 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