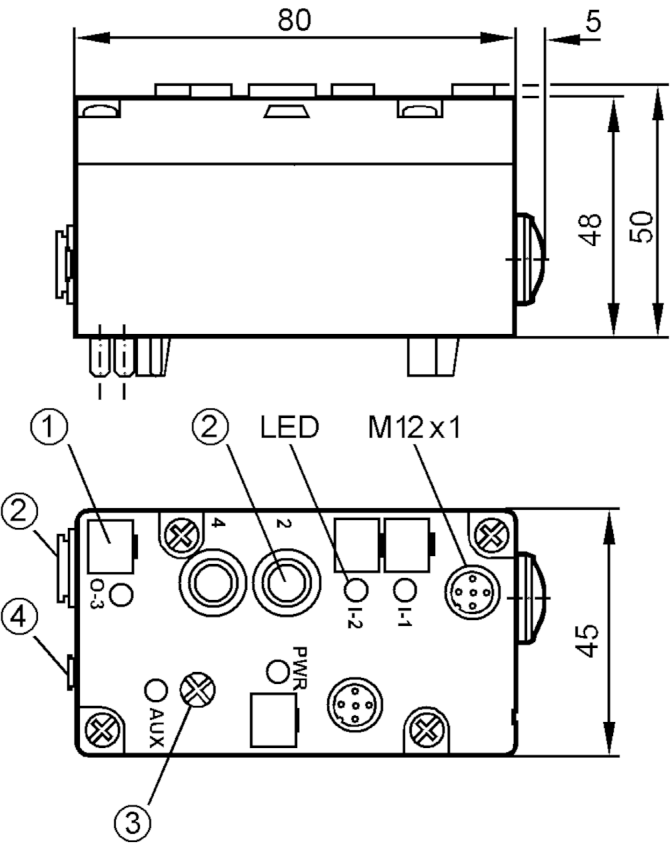


AC2048



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



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



AS-Interface Airbox

AirBox 2DI 1PO M12

Inputs					
Number of digital inputs	2				
Input circuit of digital inputs	PNP				
Sensor supply of the inputs	AS-i				
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				
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 profile	S-3.F				
AS-i I/O configuration [hex]	3				
AS-i ID code [hex]	F				
AS-i certificate pending	yes				
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		screw mounting
Material		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	Power	LED, green
	Function	LED, yellow
Remarks		
Remarks	Please see the notes on compressed air and EMC/ESD under "Downloads"	
Pack quantity	1 pcs.	



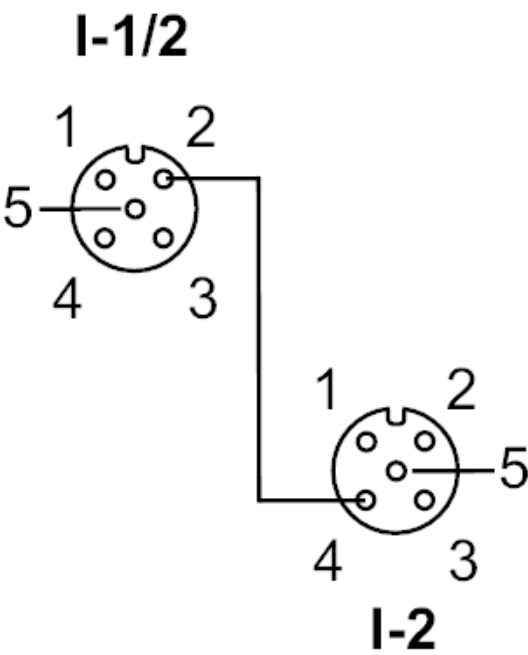
AS-Interface Airbox

AirBox 2DI 1PO M12

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