

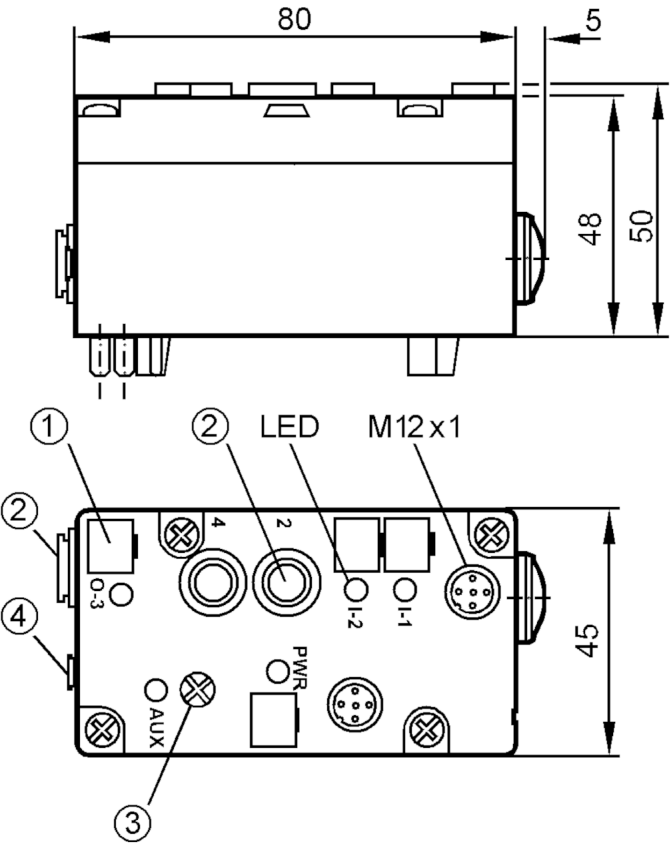


AS-Interface Airbox

AirBox 2Di 1PO M12

Alternative articles: AC5249

When selecting an alternative article and accessories please note that technical data may differ!



- 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
Voltage supply	[V]	20...30



AS-Interface Airbox

AirBox 2DI 1PO M12

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

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			
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
Housing	rectangular	
Type of mounting	AS-i interface to FC-E or SC lower parts	
Dimensions	[mm]	85 x 45 x 50
Material	housing: PBT	
Pneumatic system	1 x 4/2-way seat valve	
Operating pressure range	3...8 bar	0.3...0.8 MPa
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	3...8 bar	0.3...0.8 MPa
Tube fittings	Legris LF 3000/8 / LF 3000/4	
Exhaust	integrated exhaust	

Displays / operating elements

Display	Power	LED, green
	Function	LED, yellow

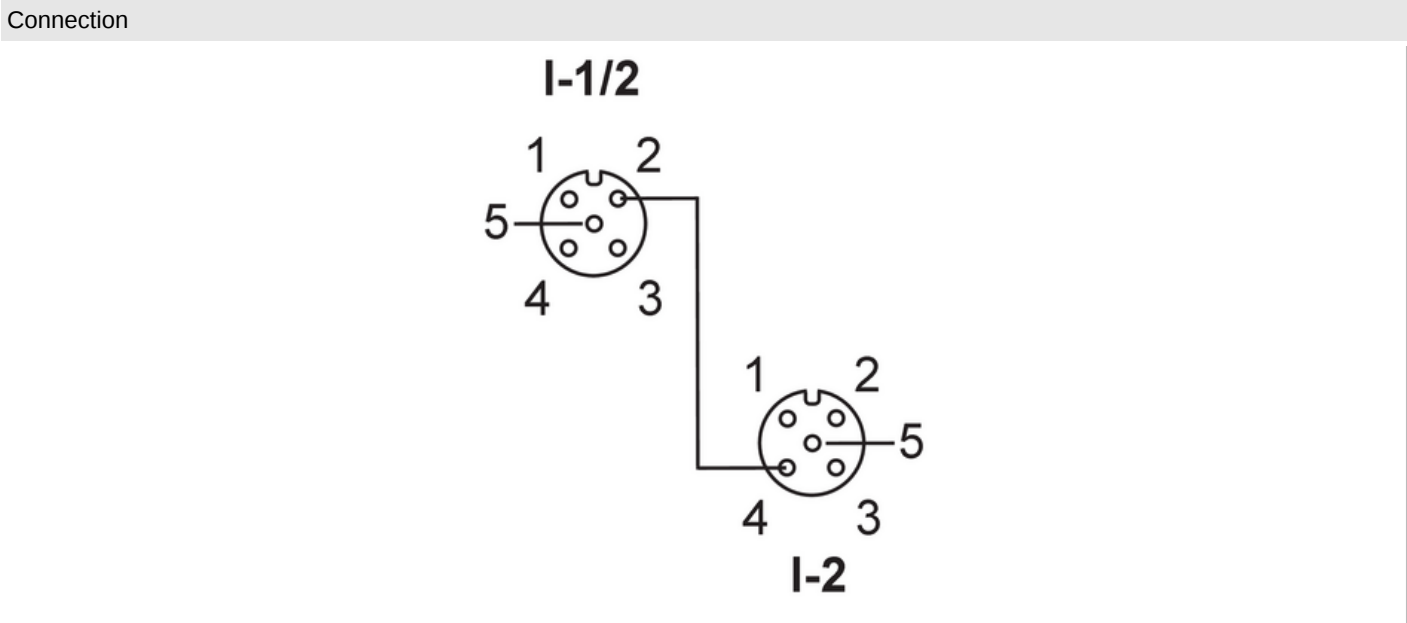


AS-Interface Airbox

AirBox 2DI 1PO M12

Electrical connection	
Module connection	Flat cable
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:



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