

AC2043



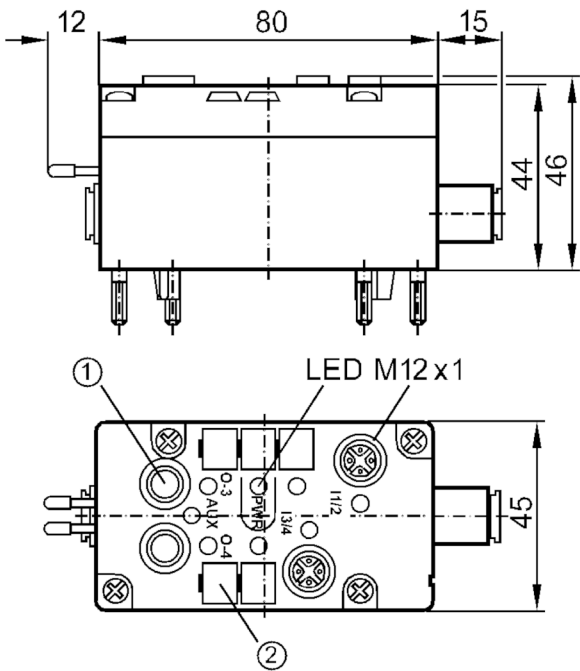
AS-Interface Airbox

AirBox 2x2DI 2PO M12

Article no longer available - archive entry

Alternative articles: AC2041

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



- 1 tube connection Ø 8 mm
2 panel for labelling



Electrical data

Operating voltage	[V]	26.5...31.6 DC
Current consumption	[mA]	< 170
Additional voltage supply	[V]	18...30 DC; (to PELV)
Integrated watchdog		yes

Inputs / outputs

Number of inputs and outputs	Number of digital inputs: 4; Number of pneumatic outputs: 2
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Inputs

Number of digital inputs		4; (2 x 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
Switching level high	[V]	> 10
Digital inputs protected against short circuits		yes



AS-Interface Airbox

AirBox 2x2DI 2PO M12

Outputs					
Electrical design	AS-i				
Number of pneumatic outputs	2				
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			
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					
Type of mounting	screw mounting				
Material	PBT				
Pneumatic system	2 x 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				
Displays / operating elements					
Display	Power	LED, green			
	Function	LED, yellow			
Accessories					
Accessories (optional)	Silencer:, E75232				
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:

Connector: M12; coding: A

A diagram of an M12 connector pinout. It shows a circular arrangement of five pins. The pins are numbered 1 through 5. Pin 1 is at the top, pin 2 is at the top-right, pin 3 is at the bottom-right, pin 4 is at the bottom, and pin 5 is at the top-left. The diagram is enclosed in a light gray rectangular box.

Inputs	
1	Sensor supply L+
2	Data input I2/I4
3	Sensor supply L-
4	Data input I1/I3