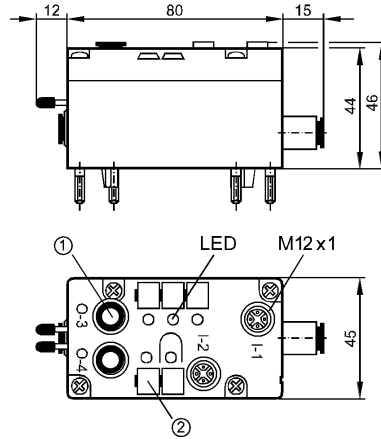




AirBox 2DI 2PO M12

AS-Interface bus system



1: tube connection 8 mm  
2: label



Product characteristics

AS-i AirBox

AS-i interface to FC and SC lower parts

Sockets M12 x 1

Connection to the pneumatic system by tube fittings

2 digital inputs

2 pneumatic outputs

Electrical data

Electrical design

2 inputs / 2 outputs

Operating voltage [V]

26.5...31.6 DC

Total current consumption from AS-i [mA]

< 150

Inputs

digital

Circuit

PNP

Sensor supply

AS-i

Voltage range [V]

20...30 DC

Max. current load for all inputs total [mA]

100

Input current High/Low [mA]

> 3 / < 1.5

Switching level High signal 1 [V]

> 10

Short-circuit proof

yes

Outputs

digital

Output function

common exhaust with tube connection

Integrated watchdog

yes

Environment

Ambient temperature [°C]

0...55, use below 0 °C possible with a special compressed air treatment

Protection

IP 67

Tests / approvals

EMC

EN 50295

AS-i classification

AS-i profile

S-3.F

I/O configuration [hex]

3

ID code [Hex]

F

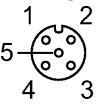
AS-i certificate

10501

Data bits

Data bit	D0	D1	D2	D3

**AC2027 - AS-i AirBox - eclass: 27242613 / 27-24-26-13**

	In-/Outputs	I-1	I-2	O-3	O-4
Mechanical data					
Pneumatic system		two 3/2-way valves			
Operating pressure range [bar]		2...8 **)			
Air flow at 6/5 bar [Nl/min]		350			
Air flow at 6/0 bar [Nl/min]		550			
Permissible compressed air		filtered (5 µm); lubricated (ISO-VG10) or not lubricated			
Tube fitting [type/mm]		Legris LF 3000/8			
Housing materials		PBT			
Weight [kg]		0.257			
Displays / operating elements					
Power LED				green	
Function display LED				yellow	
Electrical connection					
Connection		contact pins on FC or SC lower module			
<b>Wiring</b>					
		<b>Inputs</b> 1: Sensor supply L+ 2+4: Data input (internally bridged) 3: Sensor supply L-			
Accessories					
Accessories (optional)		Silencer (E75232)			
Remarks					
Remarks		**) incl. possible pressure peaks 1) Notes on compressed air and EMC/ESD at <a href="http://www.ifm.com">www.ifm.com</a>			
Pack quantity [piece]		1			