

- 1: label
- 2: tube connection 8 mm
- 3: screw for manual override
- 4: tube connection auxiliary air 4 mm



Product characteristics

AS-i AirBox

AS-i interface to FC-E lower parts

Sockets M12 x 1

Connection to the pneumatic system by tube fittings

1 pneumatic output (NO/NC selectable)

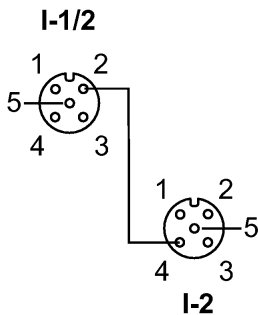
Electrical data

Electrical design	2 inputs / 1 output NO/NC selectable (monostable)	
Operating voltage [V]	26.5...31.6 DC	
Total current consumption from AS-i [mA]	< 165	
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	integrated exhaust; external valve supply 24 V DC	
Voltage range [V]	18...30 DC	
External voltage supply	according to PELV	
Integrated watchdog	yes	
Environment		
Ambient temperature [°C]	0...55, use below 0 °C possible with a special compressed air treatment	
Protection	IP 65	
Tests / approvals		
EMC	EN 50295	

**AC2048 - AS-i AirBox - eclass: 27242613 / 27-24-26-13**

AS-i classification					
AS-i profile	S-3.F				
I/O configuration [hex]	3				
ID code [Hex]	F				
AS-i certificate	in preparation				
Data bits	<b>Data bit</b>	<b>D0</b>	<b>D1</b>	<b>D2</b>	<b>D3</b>
	socket	I-1 / pin 4	I-1 / pin2; I-2 / pin 4	O-3	—
Mechanical data					
Pneumatic system	one 4/2-way seat valve				
Operating pressure range [bar]	3...8 *)				
Air flow at 6/5 bar [Nl/min]	500				
Air flow at 6/0 bar [Nl/min]	700				
Permissible compressed air	filtered (5 µm); lubricated (ISO-VG10) or not lubricated				
Auxiliary air 90 % vacuum [bar]	3...8				
Tube fitting [type/mm]	Legris LF 3000/8 / LF 3000/4				
Housing materials	PBT				
Weight [kg]	0.247				
Displays / operating elements					
Power LED	green				
Function display LED	yellow				
Electrical connection					
Connection	contact pins on FC-E or SC lower module				

**Wiring**



- 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

Remarks	
Remarks	*) incl. possible pressure peaks Notes on compressed air and EMC/ESD at <a href="http://www.ifm.com">www.ifm.com</a>
Pack quantity [piece]	1