

Made in Germany

### Product characteristics

AS-i AirBox

2 x 3/2-way slide valves free from overlapping

Three orientations of the flat cable are possible

AS-i flat cable connection

Version 2.11 and 3.0 with extended addressing mode

Addressing socket

### Electrical data

Electrical design 4 inputs / 2 outputs; AirBox supply via AS-i

Operating voltage [V] 26.5...31.6 DC \*\*)

Total current consumption from AS-i [mA] < 280

### Inputs

Digital

Input circuit DC PNP

Sensor supply AS-i

Voltage range [V] 20...30 DC \*) \*\*)

Max. current load for all inputs total [mA] 200

Input current High/Low [mA] > 6 / < 2

Switching level High signal 1 [V] > 11

Short-circuit proof yes

### Outputs

Digital

Output function common exhaust with tube connection

Integrated watchdog yes

### Environment

AirBox 2x3/2 4DI-Y IP67

Bus system AS-Interface

Ambient temperature	[°C]	-10...55
Medium temperature	[°C]	-10...50
Protection		IP 65 / IP 67

### Tests / approvals

EMC		EN 50295 IEC 61000-6-2
MTTF	[Years]	287

### AS-i classification

Extended addressing mode possible	version 2.11 and 3.0 / yes				
AS-i profile	S-7.A.E				
I/O configuration [hex]	7				
ID code [Hex]	A.E				
AS-i certificate	in preparation				
Data bits	<b>Data bit</b>	<b>D0</b>	<b>D1</b>	<b>D2</b>	<b>D3</b>
	Input	1	2	3	4
	Socket	I-1/2	I-1/2 I-2	I-3/4	I-3/4 I-4
	Pin	4	2 4	4	2 4
	Pneumatic output	2	4	-	-

### Mechanical data

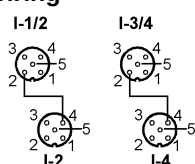
Pneumatic system	2 x 3/2-way slide valves (free from overlapping)			
Pneumatic symbol				
Operating pressure range	[bar]	2...8		
Operating pressure range	[psi]	29...100		
Air flow at 6/5 bar	[l/min]	500		
Operating medium to ISO 8573-1	non-lubricated compressed air class 6-3-1; lubricated compressed air class 6-3-4 <sup>1)</sup>			
Manual override	pressing/releasing or pressing/turning/locking			
Tube fitting [mm]	8			
Housing materials	PA; POM			
Weight	[kg]	0.375		

### Displays / operating elements

Operation	LED	green
Error	LED	red
Function display	LED	yellow

### Electrical connection

#### Wiring



#### Inputs

- 1: sensor supply L+
- 3: sensor supply L-
- 5:



**Accessories**

Accessories (included)	lower part
Accessories (optional)	Mounting plate (E74999); Module lower part (E75000); M12 protective cap (E73004); Silencer (E75232); Push-in L-fitting (E75228); Push-in T-fitting (E75227)

**Remarks**

Remarks	<p>Do not connect any of the points L-, L+, I-1, I-2, I-3, I-4 to an external potential since they are electrically connected to the AS-i cable.</p> <p>1) Notes on compressed air and EMC/ESD at <a href="http://www.ifm.com">www.ifm.com</a></p> <p>*) via flat cable</p> <p>**) For a cULus application</p> <ul style="list-style-type: none"> <li>- supply class 2 only</li> <li>- ambient temperature fluid (air): - 10°C...+50°C</li> <li>- minimum and maximum operating pressure</li> </ul> <p>The valve shall be used on a regulated pressure system with the maximum rating 100 psi. The valve shall be installed into a suitable enclosure or mounted in a guarded and protected location to prevent accidental contact in the end-use product.</p>
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Pack quantity	[piece]	1
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