

AC046A



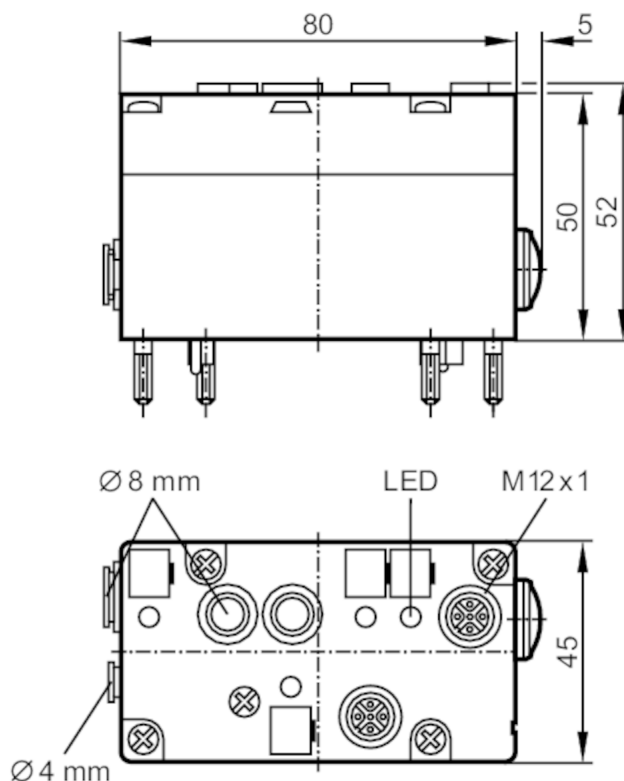
AS-Interface Airbox

AirBox 2DI 1PO M12 ATEX

Article no longer available - archive entry

Alternative articles: AC246A + E7000A

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



Electrical data

Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	165
Integrated watchdog		yes

Inputs / outputs

Number of inputs and outputs	Number of digital inputs: 2; Number of pneumatic outputs: 1
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Inputs

Number of digital inputs		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

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Digital inputs protected against short circuits	yes				
Outputs					
Electrical design	AS-i				
Number of pneumatic outputs	1				
Operating conditions					
Ambient temperature [°C]	0...40				
Note on ambient temperature	with special compressed air treatment: < 0 °C				
Protection	IP 65				
Tests / approvals					
ATEX marking	 II 3D T 65 °C IP 65 X				
EMC	EN 50295				
AS-i classification					
AS-i profile	S-3.F				
AS-i I/O configuration [hex]	3				
AS-i ID code [hex]	F				
AS-i certificate pending	yes				
Data bits	Data bit	D0	D1	D2	D3
	Socket	I-1	I-1 / I-2	O-3	-
	Pin	4	2 / 4	-	-
Mechanical data					
Type of mounting	screw mounting				
Material	PBT				
Pneumatic system	1 x 4/2-way seat valve				
Operating pressure range [bar]	3...8				
Operating pressure range [MPa]	0.3...0.8				
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 [bar]	3...8				
Auxiliary air 90 % vacuum [MPa]	0.3...0.8				
Tube fittings	Legris LF 3000/8 / LF 3000/4				
Exhaust	integrated exhaust				
Displays / operating elements					
Display	Power	LED, green			
	Function	LED, yellow			
Accessories					
Accessories (optional)	Module lower part:, AC5000				
Remarks					
Remarks	Use M12 connectors with hexagon nuts, tightening torque 0.8 Nm.				
Pack quantity	1 pcs.				

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Electrical connection
Connection
Connector: M12