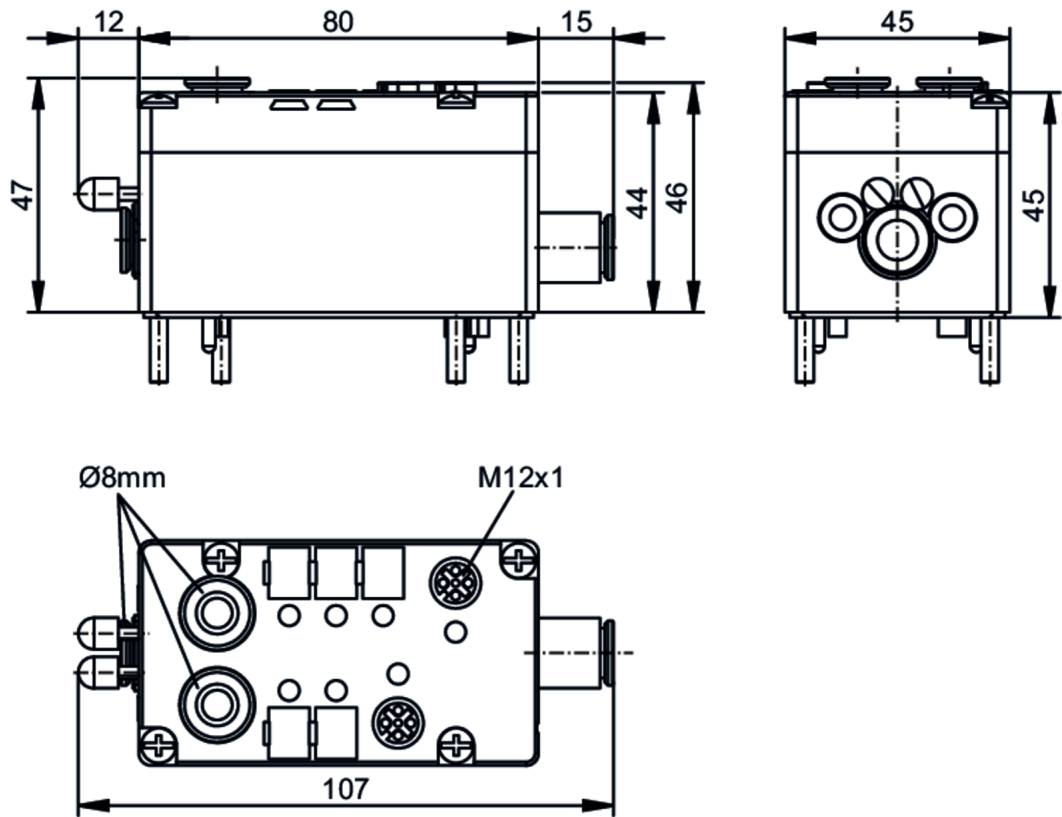


AC2055



AS-Interface Airbox

AirBox 2x2DI 2PO M12 V2A



Application		
Application		field installation
Electrical data		
Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	170
Integrated watchdog		yes
Inputs / outputs		
Number of inputs and outputs		Number of digital inputs: 4; Number of pneumatic outputs: 2
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

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AS-Interface Airbox

AirBox 2x2DI 2PO M12 V2A

Digital inputs protected against short circuits	yes
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Outputs

Number of pneumatic outputs	2
Actuator supply outputs	AS-i

Operating conditions

Ambient temperature	[°C]	0...55
Note on ambient temperature	with special compressed air treatment: < 0 °C	
Storage temperature	[°C]	-20...80
Max. relative air humidity	[%]	90; (non condensing)
Max. height above sea level	[m]	2000
Protection		IP 67
Degree of soiling		2

Tests / approvals

EMC	EN 62026-2	
	EN IEC 61000-6-2	
	EN IEC 61000-6-4	
	EN IEC 61326-1	

AS-i classification

Extended addressing mode	no				
AS-i master profile	M2; M3; M4				
AS-i profile	S-7.F.F				
AS-i I/O configuration	[hex]	7			
AS-i ID code	[hex]	F.F			
Data bits	Data bit	D0	D1	D2	D3
	Inputs / outputs	I-1	I-2	I-3 / O-3	I-4 / O-4
	Pin	4	2	4	2

Mechanical data

Weight	[g]	263.5
Type of mounting		screw mounting
Dimensions	[mm]	45 x 80 x 46
Material		housing: PBT; metal parts: stainless steel (1.4305 / 303); sealing: FKM
Pneumatic system		2 x 3/2-way seat valves
Operating pressure range	[bar]	2...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
Exhaust		exhaust can be discharged through tube connection

Displays / operating elements

Display	Power	LED, green (AS-i)
	Switching status	LED, yellow (I1...I4, O3...O4)

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AS-Interface Airbox

AirBox 2x2DI 2PO M12 V2A

Electrical connection	
Module connection	Flat cable
Accessories	
Accessories (optional)	Silencer:, E75232
Remarks	
Remarks	Please see the notes on compressed air and EMC/ESD under "Downloads"
Pack quantity	1 pcs.
Electrical connection - Socket I-1/2	
contact pins to module lower part, FK / PG:	
Connector: M12; coding: A	
1	Inputs Sensor supply L+
2	Data input I2
3	Sensor supply L-
4	Data input I1
5	not used
Electrical connection - Socket I-3/4	
contact pins to module lower part, FK / PG:	
Connector: M12; coding: A	
1	Inputs Sensor supply L+
2	Data input I4
3	Sensor supply L-
4	Data input I3
5	not used