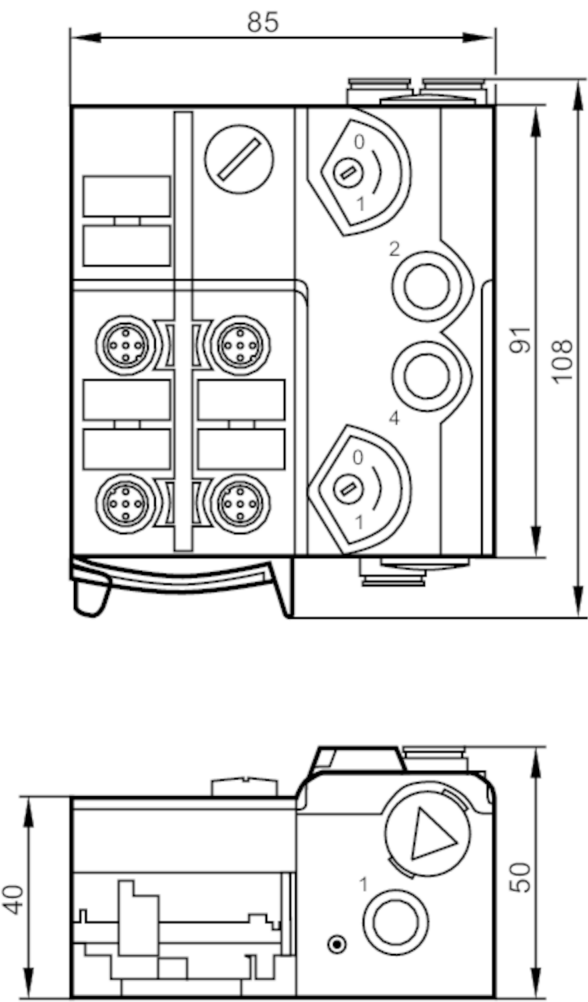


AC246A



AS-Interface AirBox

AirBox 5/2 2DI-Y II 3D



Application

Application	AS-i ATEX module
-------------	------------------

Electrical data

Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	300
Integrated watchdog		yes

Inputs / outputs

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

Inputs

Number of digital inputs	2
Input circuit of digital inputs	PNP
Sensor supply of the inputs	AS-i
Подача напруги [V]	20...30; (via flat cable)



AS-Interface AirBox

AirBox 5/2 2DI-Y II 3D

Max. total current rating of inputs	[mA]	200			
Input current High	[mA]	6...10			
Input current Low	[mA]	0...2			
Switching level high	[V]	> 11			
Digital inputs protected against short circuits		yes			
Outputs					
Electrical design		AS-i			
Number of pneumatic outputs		1			
Operating conditions					
Ambient temperature	[°C]	-10...50			
Protection		IP 50			
Tests / approvals					
ATEX marking		 II 3D Ex tc IIIB T80°C Dc X IP50			
EMC		EN 50295			
MTTF	[ANN]	351			
AS-i classification					
AS-i version		2.11; 3.0			
AS-i addressing		addressing socket			
Розширений режим адресації		no			
AS-i master profile		M2; M3; M4			
AS-i profile		S-3.F.F			
AS-i I/O configuration	[hex]	3			
AS-i ID code	[hex]	F.F			
AS-i certificate pending		yes			
Assignment of the data bits	data bit	D0	D1	D2	D3
	input	1	2	3	4
	socket	I-1/2	I-1/2 I-2	-	-
	pin	4	2 4	-	-
	pneumatic output	-	-	4	-
Mechanical data					
Weight	[g]	403			
Type of mounting		quick mounting			
Materials		PA; POM; piercing contacts: CuSn6 nickel-plated and tin-plated			
Pneumatic system		1 x 5/2-way slide valve (free from overlapping)			
Operating pressure range	[bar]	3...8			
Operating pressure range	[MPa]	0.3...0.8			
Air flow at 6/5 bar	[l/min]	500			
Permissible compressed air		non-lubricated compressed air class 6-3-1; lubricated compressed air class 6-3-4			
Manual override		pressing/releasing or pressing/turning/locking			
Tube fittings		8 mm			
Exhaust		exhaust can be discharged through tube connection			

AC246A



AS-Interface AirBox

AirBox 5/2 2DI-Y II 3D

Displays / operating elements		
Display	operation	LED, green
	errors	LED, red
	function	LED, yellow
Electrical connection		
Module connection	Приладдя	
Аксессуары		
Items supplied	lower part	
Accessories (optional)	Mounting plate:, E74999	
	Module lower part:, E75000	
	Protective cap: M12, E73004	
	Ущільнювальна заглушка:, E75231	
	Impact protection housing:, E7000A	
	silencer:, E75232	
	Push-in L-fitting:, E75228	
	Push-in T-fitting:, E75227	
Remarks		
Remarks	Mechanical protection has to be implemented.	
	Otherwise the unit must be installed together with the impact protection housing (E7000A).	
	If not pneumatically operated, E75231 sealing plug must be inserted.	
	Avoid ingress of dirt and dust.	
	Do not connect any of the following points to an external potential:	
	L-, L+, I-1/2, I-2	
	The connections are electrically connected with the AS-i cable.	
	Please see the notes on compressed air and EMC/ESD under "Downloads"	
Pack quantity	1 pcs.	



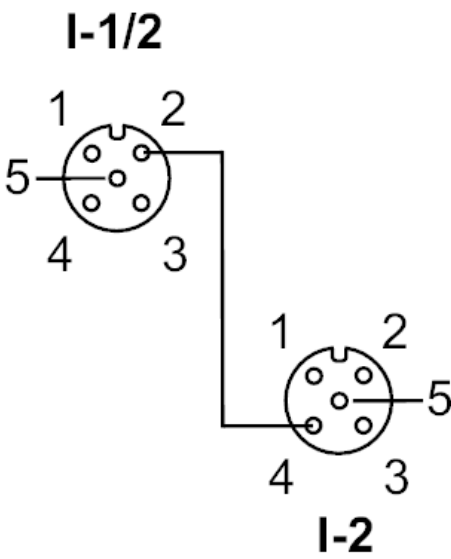
AS-Interface AirBox

AirBox 5/2 2DI-Y II 3D

Electrical connection

quick mounting technology for AS-i flat cable: ; three orientations possible

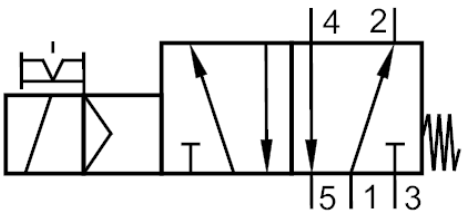
Connection



	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

Diagrams and graphs

Pneumatic symbol



1 x 5/2-way slide valve (free from overlapping) monostable