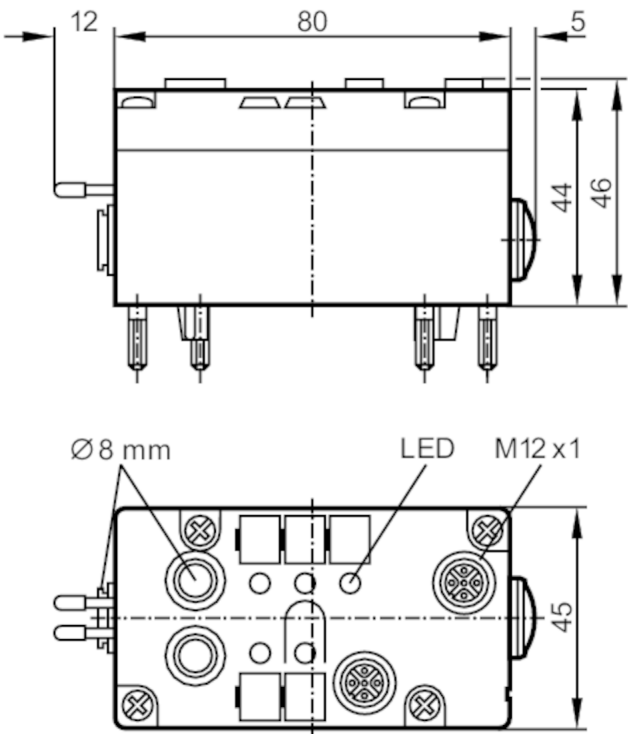




AS-Interface AirBox

AirBox 2x2DI 2PO M12



Application		
Application		field installation
Electrical data		
Operating voltage	[V]	26.5...31.6 DC
Max. current consumption from AS-i	[mA]	170
Additional voltage supply	[V]	18...30 DC; (to PELV)
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
Power 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
Digital inputs protected against short circuits		yes



AS-Interface AirBox

AirBox 2x2DI 2PO M12

Outputs						
Number of pneumatic outputs		2				
Actuator supply outputs		AUX				
Operating conditions						
Ambient temperature		[°C] 0...55				
Note on ambient temperature		with special compressed air treatment: < 0 °C				
Protection		IP 65				
Tests / approvals						
EMC		EN 50295				
AS-i classification						
Extended addressing mode		no				
AS-i master profile		M2; M3; M4				
AS-i profile		S-7.F				
AS-i I/O configuration		[hex] 7				
AS-i ID code		[hex] F				
Assignment of the data bits		data bit	D0	D1	D2	D3
		Inputs / outputs	I-1/2	I-1/2	I-3/4 / O3	I-3/4 / O4
		pin	4	2	4	2
Mechanical data						
Weight		[g] 260				
Type of mounting		screw mounting				
Materials		PBT				
Pneumatic system		2 x 3/2-way seat valves				
Operating pressure range		[bar] 2...8				
Operating pressure range		[MPa] 0.2...0.8				
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		integrated exhaust				
Displays / operating elements						
Display		operation		LED, green		
		function		LED, yellow		
Electrical connection						
Module connection		Flat cables				
Remarks						
Remarks		Please see the notes on compressed air and EMC/ESD under "Downloads"				
Pack quantity		1 pcs.				



AS-Interface AirBox

AirBox 2x2DI 2PO M12

Electrical connection

contact pins to module lower part, FK-E / PG:

Connector: M12; coding: A



	Inputs
1	Sensor supply L+
2	data input I2 / I4
3	Sensor supply L-
4	data input I1 / I3
5	not used