

AST10

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**Sequence Controller with
integrated Power Supply**

Hardware Description

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1 Connections and Pin Layout

1.1 Fuse

Description: Main Fuse
Size: 2A
Type: M2/250E, 20x5mm, Glass Tube

1.2 Voltage Supply

Description: GX2
Type: Hirschmann STASEI 200

1.3 Ethernet

Description: GX9
Type: Socket RJ45

1.4 PLC-Port

Description: GX6

Type: SUB-D 25-pole (Socket)

Pin	Description	Used for:
1	Input 1	Start
2	Input 2	--
3	Input 3	Program Selection
4	Input 4	Program Selection
5	Input 5	Program Selection
6	Input 6	Program Selection
7	Input 7	Reload
8	Input 8	Start Release
9	Input 9	External Stop
10	Input 11	Reset Error
11	Input 12	Release Part
12	Output 1	System O.K.
13	Output 2	Screw Joint O.K.
14	Output 3	Screw Joint NOT O.K.
15	Output 4	Ready
16	Output 7	Change Part
17	Output 8	--
18*	Input	GND external
19*	Input	24V external
20*	Output	GND internal
21*	Output	24V internal
22	--	--
23	Input	Release
24	Input	GND for Release
25	--	--

* When injecting the external 24V supply, the pins 18 and 19 must be connected.

To use the internal 24V supply, a bridge must be built between pins 18 and 20, as well as pins 19 and 21.

1.5 Serial Printer Port

Description: GX10

Connector: SUB-D 9-pole (Socket)

Pin	Description	Used for:
1	--	
2	RX	
3	TX	
4	--	
5	GND	
6	--	
7	--	
8	--	
9	--	

Port Adjustment: 9600 bd, 8 data bits, 1 stop bit, no parity, no protocol

1.6 Screwdriver-Port

Description: GX1

Connector: SUB-D 15-pole (Socket)

1.7 Feeder-Port

Description: GX8

Connector: Binder Round-Connector Series 763, M12-4-pole

Color: black

Pin	Description	Used for:
1	Output	GND
2	Output	24V
3	Output 5	Reload
4	--	

1.8 F-Controller-Port

Description: GX7

Connector: Binder Round-Connector Series 763, M12-4pole

Color: red

Pin	Description	Used for:
1	Output	GND
2	Output	24V
3	Output 6	Magnetic Valve
4	Input 10	Part Sensor

2 Maintenance

3 Technical Data

Each output may be loaded with maximum 100 mA , the total load may not exceed 350mA!

Controller	Model	AST10-1
	Part-No	385440 A
Voltage / Cycle	VAC / Hz	100-240 / 50 (60)
Power Consumption	W	350 (max)
Protection Class		IP 54
Dimensions WxHxD	mm inch	160 x 295 x 200 6.3 x 11.6 x 7.9
Weight	Kg / Lbs	5,8 / 12.8