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Find the *Siemens 6ES7 322-1EL00-0AA0* at our website: *Click HERE*

3.2.5 Digital Output Module SM 322; DO 16 × 120 VAC/1 A

Order No.

6ES7 322-1EH01-0AA0

Characteristics

The digital output module SM 322; DO 16 × 120 VAC/1 A has the following salient features:

- 16 output points, fused and isolated in groups of 8
- 1 A output current
- 120 VAC rated load voltage
- Suitable for AC solenoid valves, contactors, motor starters, fractional h.p. motors and indicator lights.

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Terminal Connection Diagram and Block Diagram

Figure 3-14 shows the terminal connection diagram and block diagram of the digital output module SM 322; DO 16 × 120 VAC/1 A.

You will find the detailed technical specifications of the module SM 322; DO 16 × 120 VAC/1 A on the following page.

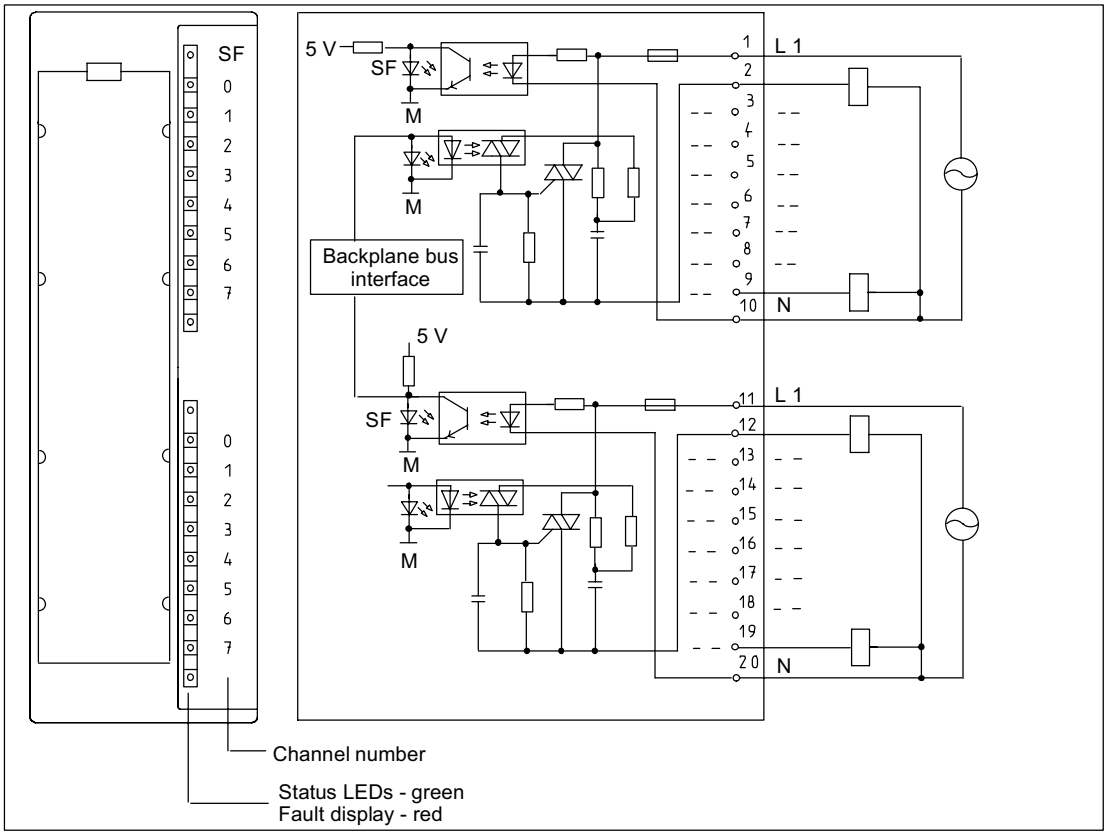


Figure 3-14 Module View and Block Diagram of Digital Output Module SM 322; DO 16 × 120 VAC/1 A

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Dimensions and Weight	
Dimensions W × H × D	40 × 125 × 120 mm (1.56 × 4.88 × 4.68 in.)
Weight	approx. 300 g (10.5 oz.)
Module-Specific Data	
Number of output points	16
Length of cable	
• Unshielded	max. 600 m (654 yd.)
• Shielded	max. 1000 m (1090 yd.)
Voltages, Currents, Potentials	
Load voltage L1	120 VAC
Total current of the outputs (per group)	
• horizontal installation up to 40 °C / 104°F up to 60 °C / 140°F	 max. 4 A max. 2 A
• vertical installation up to 40 °C / 104°F	 max. 2 A
Galvanic isolation	
• between channels and backplane bus	Yes
• between the channels	Yes
in groups of	8
Permiss. potential differences	
• between $M_{internal}$ and the outputs	120 VAC
• between the outputs of different groups	250 VAC
Insulation tested with	1500 VAC
Current drawn	
• from backplane bus	max. 184 mA
• from load voltage L1 (without load)	max. 3 mA
Module power losses	typ. max. 9 W
Status, Interrupts, Diagnostics	
Status display	Green LED per channel
Interrupts	None
Diagnostics functions	
• Group fault display on the module (fuse or no L1/N)	Red LED (SF)

Actuator Selection Data	
Output voltage	
• at “1” signal	min. L1 (– 8.5 V)
Output current	
• at “1” signal Rated value Permiss. current for 0 °C to 40 °C Permiss. current for 40 °C to 60 °C Permiss. surge current (per group)	 1 A 10 mA to 1 A 10 mA to 0.5 A max. 10 A (with 2 half waves)
• at “0” signal (Residual current)	max. 1 mA
Zero cross inhibit voltage	Non-zero cross outputs
Size of motor starter	max. size 3 to NEMA
Lamp load	max. 25 W
Parallel connection of 2 outputs	
• for redundant actuation of a load	Possible (only outputs of the same group)
• to increase power	Not possible
Actuation of a digital input	Possible
Max. switching frequency	
• Resistive loads	max. 10 Hz
• Inductive loads, to IEC 947–5–1, AC 15	max. 0.5 Hz
• Lamp loads	1 Hz
Short-circuit protection of output	8 A fuse, 250 V; per group
• Min. current required for fuse to blow	min. 40 A
• Max. response time	max. 300 ms
Spare fuses	8 A fuse/quick-acting
• Wickmann	19 194-8 A
• Schurter	SP001.1013
• Littlefuse	217.008
Fuse holder	
• Wickmann	19 653

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