SIMATIC S7-300

Product Data Sheet

6ES7322-1FH00-0AA0

Isolated AC digital output module

OUTPUT CHANNELS	LOAD VOLTAGE RANGE	RATED CHANNEL CURRENT	MINIMUM LOAD CURRENT
16	**79 to 264 V AC**	**1 A**	**10 mA**

Siemens 6ES7322-1FH00-0AA0 is an SM 322 digital output module with sixteen isolated channels for switching 120/230 V AC loads. It extends an S7-300 station with AC outputs rated at 1 A per channel, arranged in two groups of eight.

01 TECHNICAL DATA

Output channels	16
Load voltage range	79 to 264 V AC
Rated channel current	1 A
Minimum load current	10 mA
Maximum off-state leakage	2 mA
Lamp load	50 W
Backplane current at 5 V DC	200 mA
Power loss	8.6 W
Resistive switching frequency	10 Hz
Inductive switching frequency	0.5 Hz

02 ADDITIONAL PRODUCT DATA

Lamp switching frequency	1 Hz
Channels per isolated group	8
Isolation test voltage	4000 V DC
Shielded cable length	1000 m
Front connector poles	20

03 PRODUCT FUNCTION

The load circuit accepts 79 to 264 V AC, with separate limits for resistive, inductive and lamp loads. A 20-pole front connector terminates the field wiring, while the backplane supplies the module electronics. Channel loading, switching frequency and group current determine the usable output combination.

04 SYSTEM COMPATIBILITY

Connect the field circuits through the 20-pole front connector. Each channel is rated at 1 A, but the permissible total current per group falls from 4 A at up to 40 °C to 2 A at 60 °C in horizontal installation; individual ratings cannot simply be summed.

05 REFERENCE

Siemens 6ES7322-1FH00-0AA0 technical data and applicable product instructions

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