SIMATIC S7-300 SM 322

Product Data Sheet

6ES7322-1HF10-0AA0

Eight-Channel Relay Output Module

RELAY OUTPUT CHANNELS	RATED OUTPUT CURRENT	MINIMUM LOAD CURRENT	RELAY-COIL VOLTAGE
8	**5 A**	**5 mA**	**24 V DC**

Siemens 6ES7322-1HF10-0AA0 is an SM 322 relay output module with eight individually isolated output channels for SIMATIC S7-300. It provides relay contacts rated 5 A and uses a 40-pin front connector. The relay-coil supply is 24 V DC, while the module electronics draw up to 40 mA from the 5 V backplane.

01 TECHNICAL DATA

Relay output channels	8
Rated output current	5 A
Minimum load current	5 mA
Relay-coil voltage	24 V DC
Maximum 5 V backplane consumption	40 mA
Power loss	4.2 W
Resistive-load switching frequency	2 Hz maximum
Inductive-load switching frequency	0.5 Hz maximum
Lamp-load switching frequency	2 Hz maximum
Mechanical switching frequency	10 Hz maximum

Siemens 6ES7322-1HF10-0AA0 official technical data; applicable specification pages.

02 ADDITIONAL PRODUCT DATA

Lamp load at 230 V AC	1500 W maximum
Isolation grouping	1 channel per group
Isolation test voltage	2000 V AC
Maximum field cable	1000 m shielded; 600 m unshielded
Front connector	40-pin

03 PRODUCT FUNCTION

The permitted switching frequency depends on the load: up to 2 Hz for resistive or lamp loads and 0.5 Hz for inductive loads, compared with a 10 Hz mechanical switching limit. The specification gives a 5 mA minimum load and a maximum 1500 W lamp load at 230 V AC. Channel isolation is grouped individually and tested at 2000 V AC. Load-dependent ratings and contact life must be checked for the actual circuit.

04 SYSTEM COMPATIBILITY

Match each contact load to the manufacturer switching data, including minimum load, inductive behavior and lamp inrush. The 10 Hz mechanical limit is not the allowed frequency for every electrical load. Use suitable suppression and protection under the load and module instructions.

05 REFERENCE

Siemens 6ES7322-1HF10-0AA0 official technical data; applicable specification pages.

AMIKON PRODUCT SUPPORT
+86-18020776786 INFO@AMIKON.CN AMIKONG.COM