SIMATIC S7-300

Product Data Sheet

6ES7321-1BH10-0AA0

SM 321 high-speed digital input module

FUNCTION	FAMILY	ORIGIN	WEIGHT
SM 321 high-speed digital input	**SIMATIC S7-300**	**Germany**	**0.22 kg**

Siemens 6ES7321-1BH10-0AA0 is a sixteen-channel isolated 24 V DC digital input module for the SIMATIC S7-300. The values below are limited to the exact documented article.

01 VERIFIED TECHNICAL DATA

Module designation	SM 321
Digital inputs	16
Rated input voltage	24 V DC
Permissible input supply	20.4 to 28.8 V DC
Signal 0 range	-30 to +5 V
Signal 1 range	13 to 30 V
Input current at signal 1	7 mA typical
Input delay	25 to 75 µs
Backplane current	110 mA maximum at 5 V DC
Power loss	3.8 W typical

02 ADDITIONAL PRODUCT DATA

Isolation test	500 V DC
Shielded cable length	1000 m maximum
Unshielded cable length	600 m maximum
Two-wire sensor quiescent current	1.5 mA maximum
Front connector	20-pole

03 OFFICIAL APPLICATIONS

- Industrial Manufacturing
- Water Treatment
- Power Generation

04 SYSTEM COMPATIBILITY

Match 6ES7321-1BH10-0AA0 to the installed SIMATIC S7-300, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

05 OFFICIAL SOURCES

Siemens technical documentation for 6ES7321-1BH10-0AA0

https://support.industry.siemens.com/

AMIKON PRODUCT SUPPORT

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