SIMATIC S7-400 SM 422

Product Data Sheet

6ES7422-1BL00-0AA0

Digital Transistor Output Module

OUTPUT CHANNEL ALLOCATION	CURRENT PER OUTPUT	PERMITTED LOAD SUPPLY	LOAD-SUPPLY IDLE CURRENT
32 outputs, 24 V DC	**0.5 A rated**	**20.4 to 28.8 V DC**	**30 mA maximum**

Siemens 6ES7422-1BL00-0AA0 is an SM 422 digital output module for SIMATIC S7-400. Its thirty-two transistor outputs switch compatible 24 V DC field loads under the controller project.

01 VERIFIED TECHNICAL DATA

Output channel allocation	32 outputs, 24 V DC
Current per output	0.5 A rated
Permitted load supply	20.4 to 28.8 V DC
Load-supply idle current	30 mA maximum
Backplane consumption at 5 V	200 mA maximum
Maximum module power loss	4 W
Inductive cutoff clamp	-27 V
Lamp load rating	5 W
High-state voltage drop	0.3 V maximum
Permitted active load current	5 mA to 0.6 A

Values follow the unit photographs and applicable documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

Off-state residual current	0.3 mA maximum
Switching frequency by load	100 Hz resistive; 0.5 Hz inductive
Eight-output group load at 60 deg C	2 A maximum
Output cable distance	1000 m shielded; 600 m unshielded
Isolation test voltage	500 V DC

03 DOCUMENTED USE SETTINGS

Power Generation and Industrial Energy Production: Electric Power Generation Control.

Pulp Processing and Paper Production: Pulp Preparation and Processing.

Chemical Manufacturing and Continuous Process Automation: Chemical Production Process Automation.

04 SYSTEM COMPATIBILITY

Integrate 6ES7422-1BL00-0AA0 only in the documented SIMATIC S7-400 SM 422 configuration. Match the installed interfaces and the engineered application before selecting this digital transistor output module.

05 PRODUCT EVIDENCE

Siemens technical documentation for 6ES7422-1BL00-0AA0

AMIKON PRODUCT SUPPORT

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