AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7422-1BH10-0AA0

SM 422 Digital Output Module



OUTPUTS	LOAD SUPPLY	CHANNEL RATING	ISOLATION
16 digital	**24 V DC**	**2 A**	**Two groups of eight**

The 6ES7422-1BH10-0AA0 SM 422 provides 16 digital outputs in two isolated groups of eight. Each channel is rated 2 A, but adjacent output pairs also have temperature-dependent aggregate current limits. The individual channel rating does not permit unrestricted loading across the module.

01 VERIFIED TECHNICAL INFORMATION

Output count	16 digital outputs
Rated load supply	24 V DC
Rated channel current	2 A
Permitted signal-one output current	5 mA to 2.4 A
Minimum signal-one voltage	L+ minus 0.5 V
Maximum signal-zero leakage	0.5 mA
Output transition delay	Maximum 1 ms in either direction, resistive load

Manufacturer evidence: S7-400, M7-400 Programmable Controllers Module Specifications; exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

Electrical isolation groups	Two groups of eight; isolated from backplane
Adjacent-pair aggregate current	Maximum 3 A up to 40 °C; 2 A up to 60 °C
Electronic short-circuit protection	Clocked; response threshold 2.8 to 6 A
Maximum lamp load	10 W
Maximum resistive switching rate	100 Hz
Backplane current	Maximum 160 mA
No-load L+ current	Maximum 30 mA
Typical module dissipation	5 W

03 SOURCE AND CONFIGURATION CHECKS

Each eight-output group must receive rated load voltage at least once during commissioning. Loss of one group supply can switch all outputs off while status LEDs continue operating. This original BH10 behavior differs from BH11 and must be considered when checking the installed shutdown arrangement.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens original documentation and product reference

Siemens 09/2003; M03 source pp. 2,181-184

AMIKON PRODUCT SUPPORT

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