AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7131-6BH00-0BA0

ET 200SP 16-Channel Digital Input

INPUTS	VOLTAGE	BASEUNIT	CODING
16 DI	**24 V DC**	**A0**	**CC00**

Siemens 6ES7131-6BH00-0BA0 provides sixteen 24 V DC sinking inputs in the ET 200SP Standard range. The module uses an A0 BaseUnit with CC00 identification and acquires binary states from switches and compatible PNP sensors.

01 VERIFIED TECHNICAL INFORMATION

Input channels	16 sinking inputs (PNP, P-reading)
Input voltage	24 V DC rated
Supply range	19.2–28.8 V DC
Input signal thresholds	0: -30 to +5 V; 1: +11 to +30 V
Input current at signal 1	Typically 2.5 mA
Input delay settings	0.05/0.1/0.4/0.8/1.6/3.2/12.8/20 ms, plus 30–500 microseconds depending on cable length
Current consumption	90 mA maximum

Manufacturer evidence: Digital input module DI 16x24VDC ST (6ES7131-6BH00-0BA0); exact-model manual section and manufacturer data sheet.

02 TECHNICAL INFORMATION CONTINUED

Typical power loss	1.7 W
Sensor supply	No integral 24 V sensor supply output
Address space	2 bytes input data; optional additional 2 bytes QI
Input cable length	Maximum 1000 m shielded or 600 m unshielded
Two-wire sensors	Supported; maximum quiescent current 1.5 mA
Diagnostics	Module-level wire break and missing supply; no sensor-supply short-circuit monitoring
Channel isolation	No channel-to-channel isolation; channels isolated from backplane bus
Firmware update	Supported; documented firmware V1.1

03 SOURCE AND CONFIGURATION CHECKS

Input filtering and module-level diagnostics are configurable through the supported engineering tools. Optional quality information accompanies the input data, and front indicators show channel states, supply and diagnostics. The sixteen input terminals do not provide the protected sensor-supply outputs found on the eight-channel variant.

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

AMIKON PRODUCT SUPPORT

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