SIMATIC ET 200SP

Product Data Sheet

6ES7131-6BF01-0BA0

DI 8x24 V DC Standard digital input module

INPUT CHANNELS	INPUT VOLTAGE	SUPPLY RANGE	INPUT SIGNAL THRESHOLDS
8 sinking inputs (PNP, P-reading)	**24 V DC rated**	**19.2 to 28.8 V DC**	**0: -30 to +5 V; 1: +11 to +30 V**

Siemens 6ES7131-6BF01-0BA0 is a DI 8x24 V DC Standard digital input module in the SIMATIC ET 200SP family. It is identified for compatible SIMATIC ET 200SP installations and should be selected by its complete order number and documented interface.

01 VERIFIED TECHNICAL DATA

Input channels	8 sinking inputs (PNP, P-reading)
Input voltage	24 V DC rated
Supply range	19.2 to 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 to 500 microseconds depending on cable length
Current consumption	50 mA maximum
Typical power loss	1 W
Sensor supply	24 V, protected; 700 mA maximum total
Address space	1 byte input data; optional additional 1 byte QI

Values follow the applicable manufacturer documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

Input cable length	Maximum 1000 m shielded or 600 m unshielded
Two-wire sensors	Supported; maximum quiescent current 1.5 mA
Diagnostics	Module-level sensor-supply short circuit, wire break and missing supply
Channel isolation	No channel-to-channel isolation; channels isolated from backplane bus
Firmware update	Not supported; documented firmware V0.0

03 DOCUMENTED USE SETTINGS

Data Center and Digital Infrastructure: Enterprise data center facilities.

Pulp, Paper and Forest Industries: Pulp and paper mill sites.

Food and Beverage Industries: Food manufacturing facilities.

04 SYSTEM COMPATIBILITY

6ES7131-6BF01-0BA0 belongs to the SIMATIC ET 200SP family and provides the documented role of DI 8x24 V DC Standard digital input module. Review the exact order number before assigning it to the installed architecture.

05 PRODUCT EVIDENCE

Siemens manufacturer documentation

AMIKON PRODUCT SUPPORT

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