

SIMATIC ET 200L 16DI

Product Data Sheet

6ES7131-1BH01-0XB0

Sixteen Channel Digital Input

DIGITAL INPUT COUNT	RATED DC SUPPLY	VOLTAGE FAILURE BUFFERING	MAXIMUM SUPPLY CURRENT
16	24 V	20 ms	70 mA

Siemens 6ES7131-1BH01-0XB0 is a sixteen channel digital input in the SIMATIC ET 200L 16DI range. It acquires sixteen 24 V DC field signals in compatible PROFIBUS DP stations.

01 VERIFIED TECHNICAL DATA

Digital input count	16
Rated DC supply	24 V
Voltage failure buffering	20 ms
Maximum supply current	70 mA
Typical power loss	2.2 W
Input zero voltage	-30 to +5 V
Input one voltage	13 to 30 V
Typical on-state input current	5 mA
Input response delay	2 to 4.5 ms
Shielded cable reach	1000 m maximum

ADDITIONAL PRODUCT DATA

Unshielded cable reach	600 m maximum
PROFIBUS rate ceiling	1.5 Mbit/s
Isolation test level	500 V DC
Protection rating	IP20
Horizontal operating temperature	0 to 60 deg C; 40 deg C other positions

DOCUMENTED USE SETTINGS

Industrial Manufacturing and Automated Production Processes: Industrial Component Manufacturing.

Packaging Manufacturing and Industrial Filling Production: Industrial Packaging Production.

Textile Production and Fabric Processing Industries: Yarn and Fiber Production.

SYSTEM COMPATIBILITY

Match 6ES7131-1BH01-0XB0 to the accepted SIMATIC ET 200L 16DI configuration and associated parts before integration.

PRODUCT EVIDENCE

Siemens SIMATIC ET 200L 16DI applicable manufacturer data