

SIMATIC ET 200S 4DI STANDARD

Product Data Sheet

6ES7131-4BD00-0AA0

Four Channel Digital Input

DIGITAL INPUT COUNT	NOMINAL SUPPLY	BACKPLANE CURRENT	LOADED SENSOR SUPPLY VOLTAGE
4	24 V DC from power module	10 mA maximum at 3.3 V DC	L+ minus 0.5 V minimum

Siemens 6ES7131-4BD00-0AA0 is a 4-channel standard digital input module in the SIMATIC ET 200S distributed I/O range. It acquires discrete sensor and switch signals for compatible industrial automation stations.

01

VERIFIED TECHNICAL DATA

Digital input count	4
Nominal supply	24 V DC from power module
Backplane current	10 mA maximum at 3.3 V DC
Loaded sensor supply voltage	L+ minus 0.5 V minimum
Sensor supply current	0 to 500 mA
Typical power loss	0.7 W
Input address allocation	4 bits packed, 1 byte unpacked
Input zero voltage	-30 to +5 V DC
Input one voltage	15 to 30 V DC
On-state input current	7 mA typical at 24 V DC

ADDITIONAL PRODUCT DATA

Input response interval	2 to 4.5 ms in both directions, 3 ms typical
Maximum shielded cable	1000 m
Maximum unshielded cable	600 m
Two-wire sensor quiescent current	1.5 mA maximum
Isolation test voltage	500 V DC

DOCUMENTED USE SETTINGS

Chemical Manufacturing and Industrial Material Processing: Industrial Chemical Manufacturing.

Pulp Production and Paper Manufacturing Processes: Pulp Processing and Preparation.

Packaging Manufacturing and Industrial Filling Production: Industrial Packaging Production.

SYSTEM COMPATIBILITY

Match 6ES7131-4BD00-0AA0 to the accepted SIMATIC ET 200S 4DI Standard configuration and associated parts before integration.

PRODUCT EVIDENCE

Siemens SIMATIC ET 200S 4DI Standard applicable manufacturer data