SIMATIC ET 200S 4DI STANDARD

Product Data Sheet

6ES7131-4BD01-0AA0

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 6ES7131-4BD01-0AA0 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

Values follow the applicable manufacturer documents identified on page 2.

02 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

03 DOCUMENTED USE SETTINGS

Industrial Manufacturing and Automated Product Assembly: Industrial Component Manufacturing.

Food Processing and Beverage Production Industries: Food Processing and Packaging.

Water Supply and Wastewater Treatment Processes: Drinking Water Treatment.

04 SYSTEM COMPATIBILITY

Match 6ES7131-4BD01-0AA0 to the accepted SIMATIC ET 200S 4DI Standard configuration and associated parts before integration.

05 PRODUCT EVIDENCE

Siemens SIMATIC ET 200S 4DI Standard applicable manufacturer data

AMIKON PRODUCT SUPPORT

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