

SIMATIC ET 200L

Product Data Sheet

6ES7131-1BL01-0XB0

32-channel digital input block

DIGITAL INPUT CHANNELS	SUPPLY VOLTAGE	MAXIMUM SUPPLY CURRENT	MAXIMUM UNLOADED LOAD-SUPPLY CURRENT
32	24 V DC	70 mA	100 mA

Siemens 6ES7131-1BL01-0XB0 is a SIMATIC ET 200L electronic block with thirty-two digital inputs for distributed automation. It connects compatible 24 V DC field signals to a PROFIBUS DP station using the required TB 32L terminal block.

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VERIFIED TECHNICAL DATA

Digital input channels	32
Supply voltage	24 V DC
Maximum supply current	70 mA
Maximum unloaded load-supply current	100 mA
Typical power loss	3.2 W
Power-failure buffering	20 ms
Input voltage for logic 0	-30 to +5 V
Input voltage for logic 1	13 to 30 V
Typical input current for logic 1	5 mA
Maximum sensor quiescent current	1.5 mA

ADDITIONAL PRODUCT DATA

Input delay	2 to 4.5 ms
Maximum shielded cable length	1000 m
Maximum unshielded cable length	600 m
Maximum PROFIBUS transmission rate	1.5 Mbps
Isolation test voltage	500 V DC

DOCUMENTED USE SETTINGS

Industrial Manufacturing and Production Processing: Manufacturing Process Automation.

Food Production and Beverage Processing: Food Processing and Packaging.

Chemical Production and Petrochemical Processing: Industrial Chemical Production.

SYSTEM COMPATIBILITY

6ES7131-1BL01-0XB0 belongs to the SIMATIC ET 200L family and provides the documented 32-channel digital input block function. Its digital input channels is 32; match this characteristic to the connected equipment and the project configuration.

PRODUCT EVIDENCE

Siemens SIMATIC ET 200L manufacturer documentation; applicable pages 1, 2, 3

AMIKON PRODUCT SUPPORT

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