

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7131-0BL00-0XB0

ET 200B Digital Input Module



INPUTS	SIGNAL	DELAY	BUS
32 DI	24 V DC	3 ms	PROFIBUS DP

Siemens 6ES7131-0BL00-0XB0 is an ET 200B electronics block with 32 digital inputs rated for 24 V DC. Its 3 ms input delay supports signals from mechanical switches and compatible proximity sensors connected through the specified terminal block.

01

VERIFIED TECHNICAL INFORMATION

Input channels	32 non-isolated digital inputs
Rated input voltage	24 V DC
Supply operating range	18.5–30.2 V DC; 35 V permitted for less than 0.5 s
Input signal thresholds	0: -30 to +5 V; 1: +13 to +30 V
Input delay	3 ms; do not use the 0.2 ms specification of -0BL10
Input current at signal 1	Typically 4 mA at 24 V; minimum 2 mA
Logic supply current	Typically 70 mA from L5+

Manufacturer evidence: ET 200B Distributed I/O Station; exact-model manual section and manufacturer data sheet.

02 TECHNICAL INFORMATION CONTINUED

Sensor supply current	Maximum 1 A from L5+
Typical power loss	4.8 W
Bus interface	PROFIBUS DP, up to 12 Mbit/s; IM 308-B limited to 1.5 Mbit/s
FREEZE function	Supported
Two-wire sensor compatibility	Supported; maximum quiescent current 1.5 mA
Unshielded input cable length	Maximum 100 m
Isolation	Isolated PROFIBUS interface; no input-to-internal-electronics isolation
Status indication	Green RUN and input-status LEDs; red BF bus-fault LED

03 SOURCE AND CONFIGURATION CHECKS

The electronics block communicates over PROFIBUS DP and supports the FREEZE function. Front LEDs indicate supply, bus and input status, while the terminal-block arrangement distributes sensor voltage and reference potential to the connected field signals. The PROFIBUS interface is galvanically isolated.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens original documentation and product reference

AMIKON PRODUCT SUPPORT

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