

SIMATIC ET 200S DISTRIBUTED I/O

Product Data Sheet

6ES7131-1BL12-0XB0

ET 200S digital input module

FUNCTION ET 200S digital input module	FAMILY SIMATIC ET 200S distributed I/O	ORIGIN Germany	WEIGHT Confirm before dispatch
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Siemens Simatic S7 6ES7131-1BL12-0XB0 is a ET 200S digital input module for the SIMATIC ET 200S distributed I/O. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	6ES7131-1BL12-0XB0
Product Class	Et 200S Digital Input Module
Product Family	SIMATIC ET 200S distributed I/O
Control Supply	24 V DC or system backplane
Backplane Interface	SIMATIC system bus
Programming	STEP 7 / TIA Portal
Process Image	Cyclic I/O exchange
Diagnostics	Module and channel status
Isolation	Galvanically isolated field circuits
Mounting	SIMATIC rail or rack

Protection Class	IP20 installed
Operating Temperature	0 to +60 °C class
Status Indication	Front-panel LEDs

- Control order sorting with Et 200S process control: At the control layer of the scanners, diverters and destination lanes, 6ES7131-1BL12-0XB0 handles its designated signal or control duty as a ET 200S digital input module. During priority order, the system uses this function to apply the current order priority to the routing decision, helping it complete the order path in the intended sequence.
- Route ingredient dosing with Et 200S process control: For the coordinated operation of the batch vessels and dosing valves, 6ES7131-1BL12-0XB0 serves its documented function as a ET 200S digital input module. During batch release, the system uses this function to align measured quantities with the active batch step, helping it hold dosing accuracy through the cycle.
- Regulate cooling-water circulation with Et 200S: Inside the circulating pumps and heat exchangers, 6ES7131-1BL12-0XB0 handles its designated signal or control duty as a ET 200S digital input module. During controlled shutdown, the system uses this function to sequence redundant equipment around the operating unit, helping it keep heat rejection available to the process.

Match 6ES7131-1BL12-0XB0 to the installed SIMATIC ET 200S distributed I/O, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens official product documentation and manufacturer catalog](#)

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/6ES7131-1BL12-0XB0>

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM