

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7138-4FA03-0AB0

ET 200S Safety Input Module



TYPE	SUPPLY	LINK	DIAGNOSTICS
4/8 F-DI	24 V DC	PROFIsafe	SF and input LEDs

Siemens 6ES7138-4FA03-0AB0 is an ET 200S electronic module for acquiring 24 V digital signals through PROFIsafe. It offers eight single-channel inputs or four two-channel evaluations, with configurable input delay, integrated sensor-supply outputs and local diagnostic indication.

01

VERIFIED TECHNICAL INFORMATION

Digital input configuration	8 single-channel inputs or 4 two-channel evaluations
Rated supply	24 V DC; no reverse-polarity protection
PROFINET configuration	Identified for use with IM 151-3 HF; verify the maintained station configuration
Address-space occupation	6 input bytes and 4 output bytes
Sensor-supply outputs	2 outputs; 0-300 mA per output
Sensor-supply voltage	Minimum L+ minus 1.5 V
Sensor-supply protection	Electronic short-circuit protection, response threshold 0.7-1.8 A

Exact-model Siemens sources are identified in the accompanying reference. This independently prepared summary does not replace safety engineering or commissioning procedures.

02 TECHNICAL INFORMATION CONTINUED

Input voltage levels	Signal 0: -30 to +5 V; signal 1: +15 to +30 V
High-signal input current	3.7 mA typical
Configurable input delay	Published transition-delay bounds 0.3-17 ms for both directions; not complete safety-response time
Input characteristic	IEC 61131 Type 1
Two-wire sensor connection	Not supported
Electrical separation	Inputs isolated from backplane; no separation between channels or from L+
Diagnostic indication	Diagnostic function, red SF group-error LED and green input-status LEDs
Typical power loss	4 W

03 SOURCE AND CONFIGURATION CHECKS

The exact-model datasheet also identifies use in a PROFINET configuration with IM 151-3 HF. Electrical isolation separates the input circuitry from the backplane, while channel-to-channel separation is not provided; sensor selection, station supply and the safety assessment therefore remain important integration checks.

Selected manufacturer product-reference pages for FA03. Includes complete datasheet and applicable power-assignment/safety-characteristic context; not a full installation manual. Values remain subject to the original application and whole-system conditions.

Confirm supplied hardware, firmware and approved project documentation. Product net mass is not shipment gross weight. Installation and return to service require qualified personnel.

[Siemens official exact-model product reference](#)