

SIMATIC ET 200SP

Installation Instructions

6ES7136-6BA01-0CA0

ET 200SP Fail-Safe Input Module

PRODUCT TYPE	DIGITAL INPUTS	HIGHEST PERFORMANCE LEVEL	HIGHEST SAFETY INTEGRITY
F-DI 8x24VDC HF	8 fail-safe inputs	PL e according to ISO 13849-	SIL 3 according to IEC 61508

01 PRODUCT VERIFICATION

Article number	6ES7136-6BA01-0CA0
Product	ET 200SP Fail-Safe Input Module
Family	SIMATIC ET 200SP
Product type	F-DI 8x24VDC HF
Digital inputs	8 fail-safe inputs
Highest performance level	PL e according to ISO 13849-1
Highest safety integrity	SIL 3 according to IEC 61508
Compatible BaseUnit	Type A0

02 BEFORE INSTALLATION

- De-energize the ET 200SP station, field circuits and sensor supplies before inserting or wiring the F-module.
- Install the module on BaseUnit type A0 and verify that the station and engineering software support the certified firmware.

03

SAFETY WIRING CHECKPOINTS

BaseUnit	Use ET 200SP BaseUnit type A0.
Supply	Verify 24 V DC supply and polarity before energization.
F-address	Assign and verify the unique fail-safe destination address.
Sensor wiring	Match one- or two-channel evaluation and test-signal wiring.
Parameters	Set discrepancy, reintegration and diagnostic behavior deliberately.
Validation	Test the complete safety function after installation or replacement.

04

QUALIFIED PERSONNEL

Installation and commissioning of a fail-safe module require qualified personnel and the controlled SIMATIC Safety documentation. Do not infer safety performance from the module alone; the complete sensor, logic and actuator chain must be validated.

05 INSTALLATION SEQUENCE

01

De-energize the ET 200SP station, field circuits and sensor supplies before inserting or wiring the F-module.

02

Install the module on BaseUnit type A0 and verify that the station and engineering software support the certified firmware.

03

Wire each safety sensor to the documented input and sensor-supply terminals using the selected evaluation architecture.

04

Assign the unique F-address, configure discrepancy and test parameters, then validate the complete safety function before operation.

06 OFFICIAL DOCUMENTATION

ET 200SP F-DI 8x24VDC HF Equipment Manual (A5E50578307-AC)

[Open current Siemens manual](#)

[Open Siemens exact product record](#)

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