

SIMATIC ET 200SP

Product Data Sheet

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

Siemens 6ES7136-6BA01-0CA0 is an eight-channel ET 200SP fail-safe digital input module for safety functions up to PL e and SIL 3.

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VERIFIED TECHNICAL DATA

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
Color code	CC01
Rated supply	24 V DC
Supply range	19.2–28.8 V DC

Values are limited to this exact Siemens order number and the cited official manual.

02

ADDITIONAL VERIFIED DATA

Current consumption	40 mA maximum without load
Sensor supplies	8 outputs
Output per sensor supply	300 mA maximum
Total sensor current	800 mA maximum
Power loss	2 W typical
Dimensions	15 × 73 × 58 mm
Weight	Approx. 29 g

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PRODUCT FUNCTION

It acquires 24 V DC safety signals, supplies up to eight sensors, supports discrepancy and short-circuit monitoring and integrates into a correctly engineered SIMATIC Safety configuration.

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OFFICIAL APPLICATIONS

- Emergency-stop input monitoring in safety control systems
- Safety-door interlock monitoring on automated machinery
- Light-curtain input evaluation in protected machine cells
- Two-channel safety sensor monitoring in production lines
- Fail-safe input acquisition for packaging equipment

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OFFICIAL SOURCES

[Siemens exact product record](#)

[ET 200SP F-DI 8x24VDC HF Equipment Manual](#)

AMIKON PRODUCT SUPPORT

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