

SIMATIC S7-1500F SAFETY SYSTEMS

Product Data Sheet

6ES7513-1FL01-0AB0

failsafe CPU 1513F-1 PN controller

FUNCTION failsafe CPU 1513F-1 PN controller	FAMILY SIMATIC S7-1500F safety systems	ORIGIN Germany	WEIGHT 0.43 kg
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S7-300 6ES7513-1FL01-0AB0 is a failsafe CPU 1513F-1 PN controller for the SIMATIC S7-1500F safety systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

HW functional status	FS01
Firmware version	V1.8
STEP 7 TIA Portal configurable/integrated as of version	V13 SP1 Update 4
Screen diagonal (cm)	3.45 cm
Number of keys	6
Mode selector switch	1
Type of supply voltage	24 V DC
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Current consumption (rated value)	0.7 A

ADDITIONAL PRODUCT DATA

Inrush current, max.	1.9 A; Rated value
I^2t	0.34 A ² ·s
Power consumption from the backplane bus (balanced)	5.5 W
Infeed power to the backplane bus	10 W
Power loss, typ.	5.7 W

OFFICIAL APPLICATIONS

- Robot Cell Access Protection for Failsafe Cpu 1513F-1 Pn Controller: Machine Safety Systems Robot loading zone scanners Body-transfer safety gates
- Warehouse Vehicle Protection Zones for Failsafe Cpu 1513F-1 Pn Controller: Material Safety Systems Automated guided vehicle paths Conveyor transfer access points
- Machine Loading and Inspection Areas for Failsafe Cpu 1513F-1 Pn Controller: Production Safety Systems Machine loading workstations Inspection cell access zones

SYSTEM COMPATIBILITY

Match 6ES7513-1FL01-0AB0 to the installed SIMATIC S7-1500F safety systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens official product data sheet](#)

Manufacturer official PDF

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