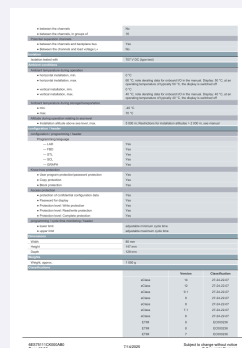


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

6ES7511-1CK00-0AB0

CPU 1511C-1 PN compact controller



PRODUCT	6ES7511-1CK00-0AB0
FAMILY	SIMATIC S7-1500 compact controllers
FUNCTION	CPU 1511C-1 PN compact controller
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from Siemens Simatic S7 documentation. This guide supplements the complete manufacturer manual and site procedure.

01

CONFIRM THE ORDERED CONFIGURATION

Product Type	CPU 1511C-1 PN
Hardware Version	FS03
Firmware Version	V2.9
I&M Data	Yes; I&M0 to I&M3
Isochronous Mode	Yes; With minimum OB 6x cycle of 625 µs (distributed)
Engineering Software	V17 (FW V2.9) / V13 SP1 Update 4 (FW V1.8) or higher

02

PREPARATION AND CONNECTION

- Confirm the complete 6ES7511-1CK00-0AB0 article number and installed revision.
- Isolate applicable electrical and process energy using the approved site procedure.
- Record every connector, cable, terminal, shield and protective-earth connection before removal.
- Install without forcing keyed parts, then secure terminals, latches, fasteners and cable supports.

OFFICIAL INSTALLATION REFERENCE

• between the channels	No		
• between the channels, in groups of	16		
Potential separation channels			
• between the channels and backplane bus	Yes		
• Between the channels and load voltage L+	No		
Isolation			
Isolation tested with	707 V DC (type test)		
Ambient conditions			
Ambient temperature during operation			
• horizontal installation, min.	0 °C		
• horizontal installation, max.	60 °C; note derating data for onboard I/O in the manual. Display: 50 °C, at an operating temperature of typically 50 °C, the display is switched off		
• vertical installation, min.	0 °C		
• vertical installation, max.	40 °C; note derating data for onboard I/O in the manual. Display: 40 °C, at an operating temperature of typically 40 °C, the display is switched off		
Ambient temperature during storage/transportation			
• min.	-40 °C		
• max.	70 °C		
Altitude during operation relating to sea level			
• Installation altitude above sea level, max.	5 000 m; Restrictions for installation altitudes > 2 000 m, see manual		
configuration / header			
configuration / programming / header			
Programming language			
— LAD	Yes		
— FBD	Yes		
— STL	Yes		
— SCL	Yes		
— GRAPH	Yes		
Know-how protection			
• User program protection/password protection	Yes		
• Copy protection	Yes		
• Block protection	Yes		
Access protection			
• protection of confidential configuration data	Yes		
• Password for display	Yes		
• Protection level: Write protection	Yes		
• Protection level: Read/write protection	Yes		
• Protection level: Complete protection	Yes		
programming / cycle time monitoring / header			
• lower limit	adjustable minimum cycle time		
• upper limit	adjustable maximum cycle time		
Dimensions			
Width	85 mm		
Height	147 mm		
Depth	129 mm		
Weights			
Weight, approx.	1 050 g		
Classifications			
		Version	Classification
	eClass	14	27-24-22-07
	eClass	12	27-24-22-07
	eClass	9.1	27-24-22-07
	eClass	9	27-24-22-07
	eClass	8	27-24-22-07
	eClass	7.1	27-24-22-07
	eClass	6	27-24-22-07
	ETIM	9	EC000236
	ETIM	8	EC000236
	ETIM	7	EC000236

04 COMMISSIONING CHECKS

- 01 Confirm product identity and mechanical seating.
- 02 Verify the documented supply before energising.
- 03 Inspect polarity, shielding and protective-earth connections.
- 04 Restore power in the approved sequence and observe status indications.
- 05 Test each connected input, output or communication path.
- 06 Record diagnostics and functional-test results before return to service.

05 CONTROLLED DOCUMENT

Official source	Siemens official product documentation
Product record	6ES7511-1CK00-0AB0
Manufacturer	Siemens Simatic S7
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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