

Distributed Controllers

based on ET 200SP

Standard CPUs

CPU 1510SP-1 PN

Technical specifications (continued)

Article number	6ES7510-1DJ01-0AB0 CPU 1510SP-1 PN, 100KB PROG./750KB DATA
Ambient conditions	
Ambient temperature during operation	
• horizontal installation, min.	0 °C
• horizontal installation, max.	60 °C
• vertical installation, min.	0 °C
• vertical installation, max.	50 °C
Configuration	
Programming	
Programming language	
- LAD	Yes
- FBD	Yes
- STL	Yes
- SCL	Yes
- GRAPH	Yes

Article number	6ES7510-1DJ01-0AB0 CPU 1510SP-1 PN, 100KB PROG./750KB DATA
Know-how protection	
• User program protection/password protection	Yes
• Copy protection	Yes
• Block protection	Yes
Access protection	
• Protection level: Write protection	Yes
• Protection level: Read/write protection	Yes
• Protection level: Complete protection	Yes
Dimensions	
Width	100 mm
Height	117 mm
Depth	75 mm
Weights	
Weight, approx.	310 g

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Ordering data	Article No.		Article No.
CPU 1510SP-1 PN Work memory 100 KB for program, 750 KB for data, PROFINET I/O IRT interface; SIMATIC Memory Card required	6ES7510-1DJ01-0AB0	Labeling strips 500 labeling strips on roll, light gray, for inscription with thermal transfer roll printer	6ES7193-6LR10-0AA0
Accessories		500 labeling strips on roll, yellow, for inscription with thermal transfer roll printer	6ES7193-6LR10-0AG0
CM DP for ET 200SP CPU PROFIBUS DP master/slave with electrical interface for connecting the ET 200SP CPUs to PROFIBUS at up to 12 Mbit/s	6ES7545-5DA00-0AB0	1000 labeling strips DIN A4, light gray, card, for inscription with laser printer	6ES7193-6LA10-0AA0
SIMATIC Memory Card		1000 labeling strips DIN A4, yellow, card, for inscription with laser printer	6ES7193-6LA10-0AG0
4 MB	6ES7954-8LC02-0AA0	IE FC RJ45 plugs RJ45 plug connector for Industrial Ethernet with a rugged metal enclosure and integrated insulation displacement contacts for connecting Industrial Ethernet FC installation cables	
12 MB	6ES7954-8LE02-0AA0	IE FC RJ45 Plug 90 90° cable outlet	
24 MB	6ES7954-8LF02-0AA0	1 unit	6GK1901-1BB20-2AA0
256 MB	6ES7954-8LL02-0AA0	10 units	6GK1901-1BB20-2AB0
2 GB	6ES7954-8LP02-0AA0	50 units	6GK1901-1BB20-2AE0
32 GB	6ES7954-8LT03-0AA0	IE FC RJ45 Plug 180 180° cable outlet	
DIN rail 35 mm		1 unit	6GK1901-1BB10-2AA0
• Length: 483 mm for 19" cabinets	6ES5710-8MA11	10 units	6GK1901-1BB10-2AB0
• Length: 530 mm for 600 mm cabinets	6ES5710-8MA21	50 units	6GK1901-1BB10-2AE0
• Length: 830 mm for 900 mm cabinets	6ES5710-8MA31		
• Length: 2 m	6ES5710-8MA41		
PE connection element for DIN rail 2000 mm	6ES7590-5AA00-0AA0		
BusAdapter BA 2xRJ45	6ES7193-6AR00-0AA0		
BusAdapter BA 2xFC for increased vibration and EMC loads	6ES7193-6AF00-0AA0		
BusAdapter BA 2xSCRJ	6ES7193-6AP00-0AA0		
BusAdapter BA SCRJ/RJ45	6ES7193-6AP20-0AA0		
BusAdapter BA SCRJ/FC	6ES7193-6AP40-0AA0		
Reference identification label	6ES7193-6LF30-0AW0		
10 sheets of 16 labels			

I/O systems

SIMATIC ET 200 systems for the control cabinet
SIMATIC ET 200SP

Interface modules > IM 155-6

Ordering data	Article No.		Article No.
Station expansion with IP67 I/O system ET 200AL		SIMATIC Manual Collection	6ES7998-8XC01-8YE0
ET 200SP BA-Send 1 x FC BusAdapter	6ES7193-6AS00-0AA0	Electronic manuals on DVD, multi-language: LOGO!, SIMADYN, SIMATIC bus components, SIMATIC C7, SIMATIC distributed I/O, SIMATIC HMI, SIMATIC Sensors, SIMATIC NET, SIMATIC PC Based Automation, SIMATIC PCS 7, SIMATIC PG/PC, SIMATIC S7, SIMATIC Software, SIMATIC TDC	
BaseUnit BU-Send	6ES7193-6BN00-0NE0	SIMATIC Manual Collection update service for 1 year	6ES7998-8XC01-8YE2
Additional accessories		Current "Manual Collection" DVD and the three subsequent updates	
Labeling strips		Spare parts	
500 labeling strips on roll, light gray, for inscription with thermal transfer roll printer	6ES7193-6LR10-0AA0	Server module	6ES7193-6PA00-0AA0
500 labeling strips on roll, yellow, for inscription with thermal transfer roll printer	6ES7193-6LR10-0AG0	Terminates an ET 200SP station; included in the scope of delivery of the interface modules	
1000 labeling strips DIN A4, light gray, card, perforated, for inscription with laser printer	6ES7193-6LA10-0AA0	Power supply connector for interface module	
1000 labeling strips DIN A4, yellow, card, perforated, for inscription with laser printer	6ES7193-6LA10-0AG0	For connecting the 24 V DC supply voltage	
Equipment labeling plate	6ES7193-6LF30-0AW0	with push-in terminals (10 units)	6ES7193-4JB00-0AA0
10 sheets of 16 labels, for printing with thermal transfer card printer or plotter		with screw-type terminals (10 units)	6ES7193-4JB50-0AA0
DIN rail 35 mm			
Length: 483 mm for 19" cabinets	6ES5710-8MA11		
Length: 530 mm for 600 mm cabinets	6ES5710-8MA21		
Length: 830 mm for 900 mm cabinets	6ES5710-8MA31		
Length: 2 m	6ES5710-8MA41		
Manuals for ET 200SP distributed I/O system			
SIMATIC ET 200SP Manual Collection: PDF file with the following content:			
- Basic information System manual, product information, overview tables, correction information or manual supplements - Device-specific information Device manuals for the interface modules, PLC, OC and I/O modules, including fail-safe - Comprehensive information Function manuals			
The Manual Collection can be downloaded from the Internet as a PDF file: https://support.industry.siemens.com/cs/de/en/view/84133942			