

SIMATIC S7-300 Advanced Controllers

Central processing units

Compact CPUs

Ordering data	Article No.	Ordering data	Article No.
CPU 312C Compact CPU, work memory 64 KB, supply voltage 24 V DC, 10 DI/6 DQ integrated, integrated functions, MPI; including slot number labels; MMC required	6ES7312-5BF04-0AB0	Point-to-point link cable For connection to CPU 31xC-2 PtP	
CPU 313C Compact CPU, work memory 128 KB, supply voltage 24 V DC, 24 DI/16 DQ, 4 AI/2 AQ integrated, integrated functions, MPI; MMC required	6ES7313-5BG04-0AB0	5 m 10 m 50 m	6ES7902-3AB00-0AA0 6ES7902-3AC00-0AA0 6ES7902-3AG00-0AA0
CPU 313C-2 PtP Compact CPU, work memory 128 KB, supply voltage 24 V DC, 16 DI/16 DQ integrated, integrated functions, MPI, RS 422/485 interface; MMC required	6ES7313-6BG04-0AB0	Front connector (1 unit) For compact CPUs	
CPU 313C-2 DP Compact CPU, 128 KB work memory, 24 V DC power supply, 16 DI/16 DQ integrated, integrated functions, MPI, PROFIBUS DP master/slave interface; MMC required	6ES7313-6CG04-0AB0	40-pin, with screw contacts • 1 unit • 100 units	6ES7392-1AM00-0AA0 6ES7392-1AM00-1AB0
CPU 314C-2 PtP Compact CPU, work memory 192 KB, supply voltage 24 V DC, 24 DI/16 DQ/4 AI/2 AQ integrated, integrated functions, MPI, RS 422/485 interface; MMC required	6ES7314-6BH04-0AB0	40-pin, with spring-loaded contacts • 1 unit • 100 units	6ES7392-1BM01-0AA0 6ES7392-1BM01-1AB0
CPU 314C-2 DP Compact CPU, work memory 192 KB, supply voltage 24 V DC, 24 DI/16 DQ/4 AI/2 AQ integrated, integrated functions, MPI, PROFIBUS DP master/slave interface; MMC required	6ES7314-6CH04-0AB0	SIMATIC TOP connect	See page 5/248; for information about which components can be used for the respective module, see Industry Mall
CPU 314C-2 PNDP Compact CPU, 192 KB work memory, 24 V DC power supply, 24 DI/16 DO/4 AI/2 AQ integrated, integrated functions, MPI; PROFIBUS DP master/slave interface; PROFINET IO controller/ I-device interface, MMC is required	6ES7314-6EH04-0AB0	Front door, elevated design	6ES7328-7AA20-0AA0
SIMATIC Micro Memory Card		Slot number plates	6ES7912-0AA00-0AA0
64 KB	6ES7953-8LF31-0AA0	SIMATIC Manual Collection	6ES7998-8XC01-8YE0
128 KB	6ES7953-8LG31-0AA0	Electronic manuals on DVD, multilingual: 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	
512 KB	6ES7953-8LJ31-0AA0	SIMATIC Manual Collection update service for 1 year	6ES7998-8XC01-8YE2
2 MB	6ES7953-8LL31-0AA0	Current "Manual Collection" DVD and the three subsequent updates	
4 MB	6ES7953-8LM31-0AA0	Power supply connector	6ES7391-1AA00-0AA0
8 MB	6ES7953-8LP31-0AA0	10 units, spare part	
MPI cable	6ES7901-0BF00-0AA0	Labeling strips	6ES7392-2XX00-0AA0
For connection of SIMATIC S7 and PG via MPI; 5 m in length		10 units, spare part	
		Label cover	6ES7392-2XY00-0AA0
		10 units, spare part	

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Central processing units

SIPLUS S7-300 compact CPUs

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<p><i>For communication within the application</i></p> <p>PROFIBUS DP RS 485 bus connector</p> <p>(extended temperature range and exposure to media)</p> <p>With 90° cable outlet, max. transfer rate 12 Mbps</p> <ul style="list-style-type: none"> Without PG interface With PG interface <p>With angled cable outlet, max. transfer rate 12 Mbps</p> <ul style="list-style-type: none"> without PG interface with PG interface <p>(extended temperature range)</p> <p>With axial cable outlet for SIMATIC OP, for connecting to PPI, MPI, PROFIBUS</p>	<p>6AG1972-0BA12-2XA0</p> <p>6AG1972-0BB12-2XA0</p> <p>6AG1972-0BA42-7XA0</p> <p>6AG1972-0BB42-7XA0</p> <p>6AG1500-0EA02-2AA0</p>	<p>RS 485 repeater for PROFIBUS</p> <p>(extended temperature range and exposure to media)</p> <p>Transmission rate up to 12 Mbps; 24 V DC; IP20 enclosure</p> <p>Point-to-point link cable</p> <p>For connection to CPU 31xC-2 PtP</p> <p>5 m</p> <p>10 m</p> <p>50 m</p> <p><i>For commissioning</i></p> <p>MPI cable</p> <p>For connection of SIMATIC S7 and PG via MPI; length 5 m</p> <p>USB A2 PC adapter</p>	<p>6AG1972-0AA02-7XA0</p> <p>6ES7902-3AB00-0AA0</p> <p>6ES7902-3AC00-0AA0</p> <p>6ES7902-3AG00-0AA0</p> <p>6ES7901-0BF00-0AA0</p> <p>6GK1571-0BA00-0AA0</p>
<p>IE FC RJ45 Plug 180</p> <p>(extended temperature range and exposure to media)</p> <p>180° cable outlet</p> <ul style="list-style-type: none"> 1 unit 	<p>6AG1901-1BB10-7AA0</p>	<p><i>Consumables</i></p> <p>Front door, elevated design</p> <p>For compact CPUs; for connecting 1.3 mm²/16 AWG wires; wiring diagram and labels in petrol</p> <p>Power supply connector</p> <p>10 units, spare part</p> <p>Slot number plates</p> <p>Labeling strips</p> <p>10 units, spare part</p> <p>Label cover</p> <p>10 units, spare part</p> <p>Labeling sheets for machine inscription</p> <p>For modules with 40-pin front connector, DIN A4, for printing with laser printer; 10 units</p> <p>Petrol</p> <p>Light beige</p> <p>Yellow</p> <p>Red</p>	<p>6ES7328-7AA20-0AA0</p> <p>6ES7391-1AA00-0AA0</p> <p>6ES7912-0AA00-0AA0</p> <p>6ES7392-2XX00-0AA0</p> <p>6ES7392-2XY00-0AA0</p> <p>6ES7392-2AX10-0AA0</p> <p>6ES7392-2BX10-0AA0</p> <p>6ES7392-2CX10-0AA0</p> <p>6ES7392-2DX10-0AA0</p>
<p>SIPLUS SCALANCE X-200 Industrial Ethernet switches</p> <p>Industrial Ethernet switches with integral SNMP access, online diagnostics, copper cable diagnostics and PROFINET diagnostics for configuring line, star and ring topologies; with integrated redundancy manager (exception: SCALANCE X208PRO); incl. operating instructions, Industrial Ethernet network manual and configuration software on CD-ROM</p> <ul style="list-style-type: none"> With electrical and optical ports for glass multimode FOC up to 3 km Extended temperature range and exposure to media SIPLUS SCALANCE X204-2 With four 10/100 Mbps RJ45 ports and two fiber-optic ports 	<p>6AG1204-2BB10-4AA3</p>	<p><i>Documentation</i></p> <p>SIMATIC Manual Collection</p> <p>Electronic manuals on DVD, multilingual: 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</p> <p>SIMATIC Manual Collection update service for 1 year</p> <p>Current "Manual Collection" DVD and the three subsequent updates</p>	<p>6ES7998-8XC01-8YE0</p> <p>6ES7998-8XC01-8YE2</p>
<p>PROFIBUS FastConnect bus cable</p> <p>Standard type with special design for quick mounting, 2-wire, shielded, sold by the meter; max. length 1000 m, minimum ordering quantity 20 m</p>	<p>6XV1830-0EH10</p>		
<p>IE FC TP Standard Cable GP 2x2</p> <p>4-wire, shielded TP installation cable for connection to IE FC Outlet RJ45/IE FC RJ45 Plug; PROFINET-compatible; with UL approval</p> <p>Sold by the meter; max. length 1 000 m minimum order quantity 20 m</p>	<p>6XV1840-2AH10</p>		
<p>FO Standard Cable GP (50/125)</p> <p>Standard cable, splittable, UL approval, sold by the meter; max. length 1 000 m minimum order quantity 20 m</p>	<p>6XV1873-2A</p>		