C.8 Spare parts and other hardware

Table C-15 Expansion cables, simulators, and end retainers

Item		Article number
I/O expansion cable	I/O Expansion cable, 2 m	6ES7290-6AA30-0XA0
I/O simulator	Simulator (1211C/1212C - 8 position)	6ES7274-1XF30-0XA0
	Simulator (1214C/1215C - 14 position)	6ES7274-1XH30-0XA0
	Simulator, CPU 1217C	6ES7274-1XK30-0XA0
Potentiometer module	S7-1200 Potentiometer module	6ES7274-1XA30-0XA0
Ethernet strain relief	Single port RJ45 strain relief, 10/100 Mbit/sec	6ES7290-3AA30-0XA0
	Dual port RJ45 strain relief, 10/100 Mbit/sec	6ES7290-3AB30-0XA0
Spare door kit	CPU 1211C/1212C	6ES7291-1AA30-0XA0
	CPU 1214C	6ES7291-1AB30-0XA0
	CPU 1215C	6ES7291-1AC30-0XA0
	CPU 1217C	6ES7291-1AD30-0XA0
	Signal module, 45 mm	6ES7291-1BA30-0XA0
	Signal module, 70 mm	6ES7291-1BB30-0XA0
	Communication module (for use with 6ES72xx-xxx32-0XB0 and 6ES72xx-xxx30-0XB0 modules)	6ES7291-1CC30-0XA0
End Retainer	End Retainer Thermoplastic, 10 MM	8WA1808
	End Retainer Steel, 10.3 MM	8WA1805

Replacing the terminal block connector

It is important to use the correct terminal block for your module. Refer to the tables below and your module specifications to determine the correct terminal block replacement.

Note

Keyed removable terminal blocks

PLCs always require correct wiring to ensure safety and proper operation.

When replacing the terminal block in your CPU or SM, it is important that you use the correct terminal block and correct wiring source for your module.

The keyed feature helps prevent you from accidentally placing a high voltage wired terminal block into a low voltage module, or from placing a special voltage wired terminal block into a normal voltage module. Some terminal blocks are specifically keyed at left, at right or at middle.

If you have S7-1200 CPU V4.0 and later (article number)	Use this terminal block spare kit (4/pk)		
	Terminal block (screw-type) article number	Equivalent Push-in terminal block article number	Terminal block description
CPU 1217C DC/DC/DC (6ES7217-1AG40-0XB0)	6ES7292-1BF30-0XB0	6ES7292-2BF30-0XB0	6 pin, gold-plated
	6ES7292-1AK30-0XA0	6ES7292-2AK30-0XA0	10 pin, pin-plated
	6ES7292-1AR30-0XA0	6ES7292-2AR30-0XA0	16 pin, pin-plated
	6ES7292-1AT30-0XA0	6ES7292-2AT30-0XA0	18 pin, tin-plated

Table C-17 S7-1200 SMs V3.2 and later - Terminal block spare kits

If you have S7-1200 SMs V3.2 and later (article number)	Use this terminal block spare kit (4/pk)		
	Terminal block (screw-type) article number	Equivalent Push-in terminal block article number	Terminal block description
SM 1221 DI 8 x DC (6ES7221-1BF32-0XB0)	6ES7292-1AG30-0XA0	6ES7292-2AG30-0XA0	7 pin, tin-plated
SM 1222 DQ 8 x DC (6ES7222-1BF32-0XB0)	6ES7292-1AG30-0XA0	6ES7292-2AG30-0XA0	7 pin, tin-plated
SM 1222 DQ 8 x Relay (6ES7222-1HF32-0XB0)	6ES7292-1AG40-0XA1	6ES7292-2AG40-0XA1	7 pin, tin-plated, keyed-left
SM 1238 Energy Meter 480 V AC (6ES7238-5XA32-0XB0) for voltage input (top)	6ES7292-1AG40-0XA2	6ES7292-2AG40-0XA2	7-pin, tin-plated, keyed-middle
SM 1238 Energy Meter 480 V AC (6ES7238-5XA32-0XB0) for current input (bottom)	6ES7292-1AG30-0XA0	6ES7292-2AG30-0XA0	7-pin, tin-plated
SM 1231 AI 4 x 13 bit (6ES7231-4HD32-0XB0)	6ES7292-1BG30-0XA0	6ES7292-2BG30-0XA0	7 pin, gold-plated
SM 1232 AQ 2 x 14 bit (6ES7232-4HB32-0XB0)	6ES7292-1BG30-0XA0	6ES7292-2BG30-0XA0	7 pin, gold-plated
SM 1231 AI 4 x TC (6ES7231-5QD32-0XB0)	6ES7292-1BG30-0XA0	6ES7292-2BG30-0XA0	7 pin, gold-plated
SM 1231 AI 4 x 16 bit (6ES7231-5ND32-0XB0)	6ES7292-1BG30-0XA0	6ES7292-2BG30-0XA0	7 pin, gold-plated
SM 1221 DI 16 x DC (6ES7221-1BH32-0XB0)	6ES7292-1AG30-0XA0	6ES7292-2AG30-0XA0	7 pin, tin-plated
SM 1222 DQ 16 x DC (6ES7222-1BH32-0XB0)	6ES7292-1AG30-0XA0	6ES7292-2AG30-0XA0	7 pin, tin-plated
SM 1222 DQ 16 x Relay (6ES7222-1HH32-0XB0)	6ES7292-1AG40-0XA0	6ES7292-2AG40-0XA0	7 pin, tin-plated, keyed-right
SM 1223 DI 8 x DC/DQ 8 x DC (6ES7223-1BH32-0XB0)	6ES7292-1AG30-0XA0	6ES7292-2AG30-0XA0	7 pin, tin-plated
SM 1223 8 x DC/8 x Relay (6ES7223-1PH32-0XB0)	6ES7292-1AG30-0XA0	6ES7292-2AG30-0XA0	7 pin, tin-plated
	6ES7292-1AG40-0XA0	6ES7292-2AG40-0XA0	7 pin, tin-plated, keyed-right