

I/O systems

SIMATIC ET 200 systems without control cabinet

SIMATIC ET 200pro

I/O modules > Digital expansion modules

Ordering data	Article No.		Article No.
8 DI digital input module 24 V DC, with module-specific diagnostics, including bus module. Connection module must be ordered separately	6ES7141-4BF00-0AA0	CM IO 8 x M12 connection module 8 M12 sockets for connecting digital sensors or actuators to ET 200pro	6ES7194-4CB00-0AA0
8 DI High Feature digital input module 24 V DC, with channel-specific diagnostics, including bus module. Connection module must be ordered separately	6ES7141-4BF00-0AB0	CM IO 8 x M12 P connection module 8 M12 sockets for connecting digital sensors or actuators to ET 200pro; plastic version	6ES7194-4CB10-0AA0
16 DI digital input module 24 V DC, with module-specific diagnostics, including bus module. Connection module 6ES7194-4CB50-0AA0 must be ordered separately	6ES7141-4BH00-0AA0	CM IO 8 x M12D connection module 8 M12 sockets for connecting digital sensors or actuators to ET 200pro	6ES7194-4CB50-0AA0
4 DO digital output module 24 V DC, 2 A, with module-specific diagnostics, including bus module. Connection module must be ordered separately	6ES7142-4BD00-0AA0	CM IO 8 x M8 connection module 8 sockets M8 for connection of digital sensors or actuators to ET 200pro	6ES7194-4EB00-0AA0
4 DO High Feature digital output module 24 V DC, 2 A, with channel-specific diagnostics, including bus module. Connection module must be ordered separately	6ES7142-4BD00-0AB0	CM IO 2 x M12 connection module 2 M12 8-pin sockets; for use with: EM 8 DI, 24 V DC and 8 DO, 24 V DC/0.5 A	6ES7194-4FB00-0AA0
8 DO digital output module 24 V DC, 0.5 A, with module-specific diagnostics, including bus module. Connection module must be ordered separately	6ES7142-4BF00-0AA0	CM IO 1 x M23 connection module 1 M23 socket; for use with: EM 8 DI, 24 V DC and 8 DO, 24 V DC/0.5 A	6ES7194-4FA00-0AA0
4 DI/4 DO digital input and output module 24 V DC, 0.5 A, with module-specific diagnostics, including bus module. Connection module must be ordered separately	6ES7143-4BF50-0AA0	Module identification labels For color coding of the CM IOs in the colors of white, red, blue and green; pack with 100 units each	6ES7194-4HA00-0AA0
Digital input and output module 4 DIO / 4 DO 24 V DC, 0.5 A, with module-specific diagnostics, including bus module. Connection module must be ordered separately	6ES7143-4BF00-0AA0	M12 sealing cap For protection of unused M12 connections with ET 200pro	3RX9802-0AA00
Accessories		Labels 20 x 7, pale turquoise, 340 items per pack	3RT1900-1SB20
CM IO 4 x M12 connection module 4 M12 sockets for connecting digital or analog sensors or actuators to ET 200pro	6ES7194-4CA00-0AA0	M12 Y circular connector For double connection of sensors via a single cable, 5-pole; cannot be used for F DI 4/8	6ES7194-1KA01-0XA0
CM IO 4 x M12 inverse connection module 4 M12 sockets for connection of digital actuators to ET 200pro (4 DO and 4 DO HF); 2 x M12 single assignment, 2 x M12 double assignment	6ES7194-4CA50-0AA0	M12 Y cable For double connection of I/O by means of a single cable on ET 200, 5-pole	6ES7194-6KA00-0XA0
CM IO 4 x M12 P connection module 4 M12 sockets for connecting digital sensors or actuators to ET 200pro; plastic version	6ES7194-4CA10-0AA0	M8 sealing cap For IP67 modules	3RK1901-1PN00

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ET 200eco PN digital input modules		PROFINET M12 connector, for user assembly	
• 8 DI 24 V DC; 4 x M12, dual assignment, IP67 degree of protection	6ES7141-6BF00-0AB0	IE FC M12 PRO connector, for user assembly	
• 8 DI 24 V DC; 8 x M12, IP67 degree of protection	6ES7141-6BG00-0AB0	• 1 unit	6GK1901-0DB20-6AA0
• 16 DI 24 V DC; 8 x M12, dual assignment, IP67 degree of protection	6ES7141-6BH00-0AB0	• 8 units	6GK1901-0DB20-6AA8
ET 200eco PN digital output modules		PROFINET M12 connecting cables	
• 8 DO 24 V DC/0.5 A; 4 x M12, dual assignment, 1 load voltage supply DO; IP67 degree of protection	6ES7142-6BF50-0AB0	Pre-assembled connecting cables with 2 M12 connectors (D-coded) in various lengths:	
• 8 DO 24 V DC/1.3 A; 4 x M12, dual assignment, IP67 degree of protection	6ES7142-6BF00-0AB0	0.3 m	6XV1870-8AE30
• 8 DO 24 V DC/1.3 A; 8 x M12, IP67 degree of protection	6ES7142-6BG00-0AB0	0.5 m	6XV1870-8AE50
• 8 DO 24 V DC/2 A; 8 x M12, IP67 degree of protection	6ES7142-6BR00-0AB0	1.0 m	6XV1870-8AH10
• 16 DO 24 V DC/1.3 A; 8 x M12, dual assignment, IP67 degree of protection	6ES7142-6BH00-0AB0	1.5 m	6XV1870-8AH15
		2.0 m	6XV1870-8AH20
		3.0 m	6XV1870-8AH30
		5.0 m	6XV1870-8AH50
		10.0 m	6XV1870-8AN10
		15.0 m	6XV1870-8AN15
ET 200eco PN digital input/output modules		M12 connector for 24 V DC load power supply	
• 8 DI/DO 24 V DC/1.3 A; 8 x M12, IP67 degree of protection	6ES7147-6BG00-0AB0	Connection socket for 24 V DC incoming supply; 4-pin, A-coded, 3 units	6GK1907-0DC10-6AA3
ET 200eco PN analog input modules		Connector for loop-through of 24 V DC; 4-pin, A-coded, 3 units	6GK1907-0DB10-6AA3
• 8 AI 4 U/I + 4 RTD/TC; 8 x M12, IP67 degree of protection	6ES7144-6KD00-0AB0		
• 8 AI RTD/TC; 8 x M12, IP67 degree of protection	6ES7144-6KD50-0AB0	M12 plug-in power cables	
ET 200eco PN analog output modules		Pre-assembled plug-in power cables, fitted at each end with M12 socket and plug 4 x 0.75 mm ² , in various lengths:	
• 4 AO U/I; 4 x M12, IP67 degree of protection	6ES7145-6HD00-0AB0	0.3 m	6XV1801-5DE30
ET 200eco PN IO-Link master modules		0.5 m	6XV1801-5DE50
• 4 IO-L + 8 DI + 4 DO, 24 V DC/1.3 A; 8 x M12, IP67 degree of protection, enclosure width 60 mm; for connecting up to 4 IO-Link devices according to IO-Link Specification V1.0 and port Class A as well as 8 digital inputs and 4 digital outputs	6ES7148-6JA00-0AB0	1.0 m	6XV1801-5DH10
		1.5 m	6XV1801-5DH15
• 4 IO-L; 4 x M12, IP67 degree of protection, enclosure width 30 mm; for con- necting up to 4 IO-Link devices according to IO-Link Specification V1.0 and V1.1 and port Class B	6ES7148-6JD00-0AB0	2.0 m	6XV1801-5DH20
		3.0 m	6XV1801-5DH30
		5.0 m	6XV1801-5DH50
		10.0 m	6XV1801-5DN10
		15.0 m	6XV1801-5DN15
Accessories		M12 coupler plug	
• PD voltage distributor, 24 V DC; 1 X 7/8", 4 X M12	6ES7148-6CB00-0AA0	Can be assembled, for connecting actuators or sensors, 5-pin	3RK1902-4BA00-5AA0
• Terminal block for ET 200eco PN, 10 A insulation displacement terminals	6ES7194-6CA00-0AA0		
• Spare fuses for terminal block, 10 units	6ES7194-6HB00-0AA0	M12 Y cable	
• DIN rail 0.5 m	6ES7194-6GA00-0AA0	For double connection of I/O by means of single cable to ET 200, 5-pin	6ES7194-6KA00-0XA0
• Profile screw for DIN rail, 50 units	6ES7194-6MA00-0AA0		
• M12 sealing cap for IP67 modules, 10 units	3RX9802-0AA00		
• Labels 10 x 7 mm, pastel turquoise, 816 units	3RT1900-1SB10		

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ET 200eco PN IO-Link master • 4 IO-L + 8 DI + 4 DO, 24 V DC/1.3 A; 8 x M12, IP67 degree of protection, enclosure width 60 mm; for connecting up to 4 IO-Link devices according to IO-Link Specification V1.0 and Port Class A as well as 8 digital inputs and 4 digital outputs • 4 IO-L; 4 x M12, IP67 degree of protection, enclosure width 30 mm; for connecting up to 4 IO-Link devices according to IO-Link Specification V1.0 and V1.1 and port Class B	6ES7148-6JA00-0AB0	M12 connector for 24 V DC load power supply Connection socket for 24 V DC incoming supply; 4-pin, A-coded, 3 units Connector for loop-through of 24 V DC; 4-pin, A-coded, 3 units	6GK1907-0DC10-6AA3 6GK1907-0DB10-6AA3
Accessories • PD voltage distributor, 24 V DC; 1 X 7/8", 4 X M12 • Terminal block for ET 200eco PN, 10 A insulation displacement terminals • Spare fuses for terminal block, 10 units • DIN rail 0.5 m • Profile screw for DIN rail, 50 units • M12 sealing cap for IP67 modules, 10 units • Labels 10 x 7 mm, pastel turquoise, 816 units	6ES7148-6CB00-0AA0 6ES7194-6CA00-0AA0 6ES7194-6HB00-0AA0 6ES7194-6GA00-0AA0 6ES7194-6MA00-0AA0 3RK1901-1KA00 3RT1900-1SB10	M12 plug-in power cables Pre-assembled plug-in power cables, fitted at each end with M12 socket and plug 4 x 0.75 mm², in various lengths: 0.3 m 0.5 m 1.0 m 1.5 m 2.0 m 3.0 m 5.0 m 10.0 m 15.0 m	6XV1801-5DE30 6XV1801-5DE50 6XV1801-5DH10 6XV1801-5DH15 6XV1801-5DH20 6XV1801-5DH30 6XV1801-5DH50 6XV1801-5DN10 6XV1801-5DN15
PROFINET M12 connector, for user assembly IE FC M12 PRO connector, for user assembly • 1 unit • 8 units	6GK1901-0DB20-6AA0 6GK1901-0DB20-6AA8	M12 Y cable For double connection of I/O by means of single cable to ET 200, 5-pin	6ES7194-6KA00-0XA0
PROFINET M12 connecting cables Pre-assembled connecting cables with 2 M12 connectors (D-coded), in various lengths: 0.3 m 0.5 m 1.0 m 1.5 m 2.0 m 3.0 m 5.0 m 10.0 m 15.0 m	6XV1870-8AE30 6XV1870-8AE50 6XV1870-8AH10 6XV1870-8AH15 6XV1870-8AH20 6XV1870-8AH30 6XV1870-8AH50 6XV1870-8AN10 6XV1870-8AN15		