

Process I/O

SIMATIC ET 200M for SIMATIC PCS 7

MTA Terminal Modules**Design** (continued)**Product overview with information on combinable ET 200M modules and connection cables**

MTA type	Input/output area	Order No. of MTA and accessories	Order No. of ET 200M module	Order No. of connecting cable	I/O redundancy
8 channels, AI	1 ... 5 V; ± 5 V; ± 10 V; 0 ... 20 mA; 4 ... 20 mA; ± 20 mA	6ES7 650-1AA52-2XX0 ¹⁾	6ES7 331-7NF00-0AB0 (from product version 5)	6ES7 922-3BD00-0BA0 (3 m) 6ES7 922-3BJ00-0BA0 (8 m)	Yes
8 channels, AI	1 ... 5 V; ± 5 V; ± 10 V; 0 ... 20 mA; 4 ... 20 mA; ± 20 mA	6ES7 650-1AA52-2XX0 ¹⁾	6ES7 331-7NF10-0AB0 (from product version 8)	6ES7 922-3BD00-0BB0 (3 m) 6ES7 922-3BJ00-0BB0 (8 m)	Yes
8 channels, AO	0 ... 20 mA; 4 ... 20 mA	6ES7 650-1AB51-2XX0	6ES7 332-5HF00-0AB0 (from product version 3)	6ES7 922-3BD00-0AS0 (3 m) 6ES7 922-3BJ00-0AS0 (8 m)	Yes
8 channels, AI HART	0 ... 20 mA (without use of HART) 4 ... 20 mA (with/without use of HART)	6ES7 650-1AA61-2XX0 ¹⁾	6ES7 331-7TF01-0AB0	6ES7 922-3BD01-0AM0 (3 m) 6ES7 922-3BJ01-0AM0 (8 m)	Yes
8 channels, AO HART	0 ... 20 mA (with/without use of HART) 4 ... 20 mA (with/without use of HART)	6ES7 650-1AB61-2XX0	6ES7 332-8TF01-0AB0	6ES7 922-3BD01-0AM0 (3 m) 6ES7 922-3BJ01-0AM0 (8 m)	Yes
8 channels, AI TC	Thermocouple types B, C, N, E, R, S, J, L, T, K, U	6ES7 650-1AF51-2XX0	6ES7 331-7PF10-0AB0 (from product version 4) or 6ES7 331-7PF11-0AB0	6ES7 922-3BD00-0AS0 (3 m) 6ES7 922-3BJ00-0AS0 (8 m)	No
8 channels, AI RTD	Resistance thermometers Pt100, Pt200, Pt500, Pt1000, Ni100, Ni120, Ni200, Ni500, Ni1000, Cu10	6ES7 650-1AG51-2XX0	6ES7 331-7PF00-0AB0 (from product version 8) or 6ES7 331-7PF01-0AB0	6ES7 922-3BD00-0AS0 (3 m) 6ES7 922-3BJ00-0AS0 (8 m)	No
16 channels, DO	24 V DC, 0.5 A	6ES7 650-1AD11-2XX0	6ES7 322-8BH10-0AB0	6ES7 922-3BD00-0AT0 (3 m) 6ES7 922-3BJ00-0AT0 (8 m)	Yes
6 channels F-AI HART (safety-related)	0 ... 20 mA (without use of HART); 4 ... 20 mA (with/without use of HART)	6ES7 650-1AH62-5XX0 ¹⁾	6ES7 336-4GE00-0AB0	6ES7 922-3BD00-0AU0 (3 m) 6ES7 922-3BJ00-0AU0 (8 m)	Yes
16 channels, DI	24 V DC	6ES7 650-1AC11-3XX0	6ES7 321-7BH01-0AB0 (from product version 2)	6ES7 922-3BD01-0AM0 (3 m) 6ES7 922-3BJ01-0AM0 (8 m)	Yes
24 channels F-DI (safety-related)	24 V DC	6ES7 650-1AK11-7XX0	6ES7 326-1BK00-0AB0, 6ES7 326-1BK01-0AB0 or 6ES7 326-1BK02-0AB0	6ES7 922-3BD00-0AS0 (3 m) 6ES7 922-3BJ00-0AS0 (8 m)	Yes
10 channels F-DO (safety-related)	24 V DC, 2 A	6ES7 650-1AL11-6XX0	6ES7 326-2BF01-0AB0 (from product version 2) or 6ES7 326-2BF10-0AB0	6ES7 922-3BD00-0AN0 (3 m) 6ES7 922-3BJ00-0AN0 (8 m)	Yes
16 channels DO relay	120 ... 230 V AC, 5 A; 24 V DC, 5 A	6ES7 650-1AM30-3XX0	6ES7 322-8BH01-0AB0 or 6ES7 322-8BH10-0AB0	6ES7 922-3BD00-0AS0 (3 m) 6ES7 922-3BJ00-0AS0 (8 m)	Yes
10 channels F DO relays (safety-related)	120 ... 230 V AC, 5 A; 24 V DC, 5 A	6ES7 650-1AM31-6XX0	6ES7 326-2BF01-0AB0 (from product version 2) or 6ES7 326-2BF10-0AB0	6ES7 922-3BD00-0AS0 (3 m) 6ES7 922-3BJ00-0AS0 (8 m)	Yes

¹⁾ These new terminal modules can no longer deliver a 24 V DC current for feeding 4-wire transmitters. You require an additive terminal module MTA power supply 24 V DC (Order No. 6ES7 650-1BE10-3XX0) if you wish to continue supplying 4-wire transmitters centrally per MTA and redundant with 24 V DC.

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MTA Terminal Modules

Ordering data	Article No.	Ordering data	Article No.
Separate power supply for field devices, for example 4-wire transmitter		Connecting cable with 40-pin front connector for ET 200M and 25-pin Sub-D socket for MTA Lengths: • 3 m • 8 m	6ES7922-3BD00-0AN0 6ES7922-3BJ00-0AN0
MTA terminal module 24 V DC power supply, 16-channel Terminal module for the redundant power supply of field devices separated from the signal transmission Output range: 24 V DC, 0.5 A	6ES7650-1BE10-3XX0	Connecting cable with 20-pin front connector for ET 200M and 25-pin Sub-D socket for MTA Lengths: • 3 m • 8 m	6ES7922-3BD01-0AM0 6ES7922-3BJ01-0AM0
Pre-assembled cable for connection of ET 200 module and MTA terminal module		Connecting cable with 20-pin front connector for ET 200M and 50-pin Sub-D socket for MTA Lengths: • 3 m • 8 m	6ES7922-3BD00-0AS0 6ES7922-3BJ00-0AS0
Connecting cable with 40-pin front connector for ET 200M and 25-pin Sub-D socket for MTA Lengths: • 3 m • 8 m	6ES7922-3BD00-0BA0 6ES7922-3BJ00-0BA0	Accessories	
Connecting cable with 40-pin front connector for ET 200M and 25-pin Sub-D socket for MTA Lengths: • 3 m • 8 m	6ES7922-3BD00-0BB0 6ES7922-3BJ00-0BB0	Power monitor board (PMB) for display of status of redundant MTA power supply	6ES7650-1BA02-0XX0
Connecting cable with 40-pin front connector for ET 200M and 25-pin Sub-D plug for MTA Lengths: • 3 m • 8 m	6ES7922-3BD00-0AT0 6ES7922-3BJ00-0AT0		

More information

Detailed information on the MTA terminal modules can be found in the manual "ET 200M Marshallled Termination Assemblies Remote I/O Modules".