

MTA terminal modules

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
6 channels F-AI HART (safety-related)	0 ... 20 mA (standard mode); 4 ... 20 mA (standard and safety modes)	6ES7 650-1AH61-5XX0 and 2 x 6ES7 650-1BD51-0XX0	6ES7 336-1HE00-0AB0 (from product version 6)	6ES7 922-3BD00-0AS0 (3 m) 6ES7 922-3BJ00-0AS0 (8 m)	yes
	0 ... 20 mA (without use of HART); 4 ... 20 mA (with/without use of HART)	6ES7 650-1AH61-5XX0	6ES7 336-4GE00-0AB0 (from product version 2)	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	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

Selection and Ordering data

Order No.

MTA terminal modules for SIMATIC PCS 7

MTA AI terminal module, 8-channel

Terminal module for connection of field devices/sensors to a single or two redundant ET 200M analog input modules 6ES7 331-7NF00-0AB0

Input range: 1 ... 5 V; ± 5 V; ± 10 V and 0/4 ... 20 mA; ± 20 mA

6ES7 650-1AA51-2XX0

MTA AO terminal module, 8-channel

Terminal module for connection of field devices/actuators to a single or two redundant ET 200M analog output modules 6ES7 332-5HF00-0AB0

Output range: 0/4 ... 20 mA

6ES7 650-1AB51-2XX0

MTA AI HART terminal module, 8-channel

Terminal module for connection of field devices/sensors to a single or two redundant ET 200M analog input modules 6ES7 331-7TF01-0AB0

Input range: 0 ... 20 mA (without use of HART), 4 ... 20 mA (with/without use of HART)

6ES7 650-1AA61-2XX0

MTA AO HART terminal module, 8-channel

Terminal module for connection of field devices/actuators to a single or two redundant ET 200M analog output modules 6ES7 332-8TF01-0AB0

Output range: 0 ... 20 mA (with/without use of HART), 4 ... 20 mA (with/without use of HART)

6ES7 650-1AB61-2XX0 B)

Selection and Ordering data

Order No.

MTA AI TC terminal module, 8-channel

Terminal module for connection of field devices/sensors to a single ET 200M analog input module 6ES7 331-7PF10-0AB0 or 6ES7 331-7PF11-0AB0

Input range: Thermocouple types B, C, N, E, R, S, J, L, T, K, U

6ES7 650-1AF51-2XX0 B)

MTA AI RTD terminal module, 8-channel

Terminal module for connection of field devices/sensors to a single ET 200M analog input module 6ES7 331-7PF00-0AB0 or 6ES7 331-7PF01-0AB0

Measuring range: Resistance thermometers Pt100, Pt200, Pt500, Pt1000, Ni100, Ni120, Ni200, Ni500, Ni1000, Cu10

6ES7 650-1AG51-2XX0

MTA DO terminal module, 16-channel

Terminal module for connection of field devices/actuators to a single or two redundant ET 200M the digital output modules 6ES7 322-8BH01-0AB0

Output range: 24 V DC, 0.5 A

6ES7 650-1AD10-2XX0

B) Subject to export regulations: AL: N, ECCN: EAR99H

Process I/O

Terminal modules

MTA terminal modules

Selection and Ordering data

Order No.

MTA F-AI HART

terminal module, 6-channel

Terminal module for connection of field devices/sensors to a single or two redundant safety-related ET 200M analog input modules 6ES7 336-4GE00-0AB0 or 6ES7 336-1HE00-0AB0

Input range: 0 ... 20 mA, 4 ... 20 mA

Accessories included:

- 1 x 5.6 V Zener diode board, Order No. 6ES7 650-1BB51-0XX0
- 1 x 6.2 V Zener diode board, Order No. 6ES7 650-1BC51-0XX0

Note:

In combination with the F-AI module 6ES7 336-1HE00-0AB0, two FET adapters, Order No. 6ES7 650-1BD51-0XX0, are required in addition.

6ES7 650-1AH61-5XX0

MTA DI terminal module, 16-channel

Terminal module for connection of field devices/sensors to a single or two redundant ET 200M digital input modules 6ES7 321-7BH01-0AB0

Input range: 24 V DC

6ES7 650-1AC11-3XX0

MTA F-DI terminal module, 24-channel

Terminal module for connection of field devices/sensors to a single or two redundant safety-related ET 200M digital input modules 6ES7 326-1BK00-0AB0, 6ES7 326-1BK01-0AB0 or 6ES7 326-1BK02-0AB0

Input range: 24 V DC

6ES7 650-1AK11-7XX0

MTA F-DO terminal module, 10-channel

Terminal module for connection of field devices/actuators to a single or two redundant safety-related ET 200M digital output modules 6ES7 326-2BF01-0AB0 or 6ES7 326-2BF10-0AB0

Output range: 24 V DC, 2A

6ES7 650-1AL11-6XX0

MTA DO Relay terminal module, 16-channel

Terminal module for connection of field devices/actuators to a single or two redundant ET 200M the digital output modules 6ES7 322-8BH01-0AB0

Output range: 120 ... 230 V AC, 5 A; 24 V DC, 5 A

6ES7 650-1AM30-3XX0

MTA F-DO Relay terminal module, 10-channel

Terminal module for connection of field devices/actuators to a single or two redundant safety-related ET 200M digital output modules 6ES7 326-2BF01-0AB0 or 6ES7 326-2BF10-0AB0

Output range: 120 ... 230 V AC, 5 A; 24 V DC, 5 A

6ES7 650-1AM31-6XX0

Selection and Ordering data

Order No.

Preassembled cable for connection of ET 200 module and MTA terminal module

Connecting cable with 40-contact front plug for ET 200M and 50-contact Sub-D socket for MTA

Lengths:

- 3 m
- 8 m

6ES7 922-3BD00-0AS0

6ES7 922-3BJ00-0AS0

Connecting cable with 40-pole front connector for ET 200M and 25-pole Sub-D connector for MTA

Lengths:

- 3 m
- 8 m

6ES7 922-3BD00-0AT0

6ES7 922-3BJ00-0AT0

Connecting cable with 40-contact front plug for ET 200M and 25-contact Sub-D socket for MTA

Lengths:

- 3 m
- 8 m

6ES7 922-3BD00-0AN0

6ES7 922-3BJ00-0AN0

Connecting cable with 20-contact front plug for ET 200M and 25-contact Sub-D socket for MTA

Lengths:

- 3 m
- 8 m

6ES7 922-3BD01-0AM0

6ES7 922-3BJ01-0AM0

Connecting cable with 20-contact front plug for ET 200M and 50-contact Sub-D socket for MTA

Lengths:

- 3 m
- 8 m

6ES7 922-3BD00-0AU0

6ES7 922-3BJ00-0AU0

Accessories

Power monitor board (PMB)

for display of status of redundant MTA power supply

6ES7 650-1BA02-0XX0

B)

Spare part components for MTA F-AI HART, 6-channel

- 5.6 V Zener diode board
- 6.2 V Zener diode board

6ES7 650-1BB51-0XX0

6ES7 650-1BC51-0XX0

B) Subject to export regulations: AL: N, ECCN: EAR99H