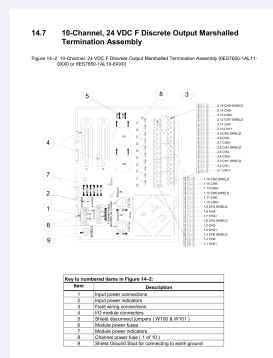


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

6ES7650-1AL11-6XX0

10-channel, 24 V DC failsafe discrete-output MTA



PRODUCT	6ES7650-1AL11-6XX0
MTA TYPE	10-channel F discrete output
COMPANION MODULE	6ES7326-2BF10-0AB0, E-Stand 3+
MOUNTING	35 mm × 15 mm top-hat DIN rail
POWER INPUT	21.6 to 28.8 V DC, single or redundant
INTERCONNECT CABLE	6ES7922-3BD00/3BJ00-0AN0

Prepared from Siemens A5E00482820-12, Sections 2 and 14. Follow site lockout, cabinet and safety procedures before installation.

01

CONFIRM THE ORDERED CONFIGURATION

Output channels	10 individually fused channels
Channel fuse	1.0 A normal
Module fuse	10 A for each module path
Field terminals	CHx+, CHx- and SHx
Redundant connectors	J1 and J2
Shield connection	Earth-ground stud

02

MECHANICAL MOUNTING

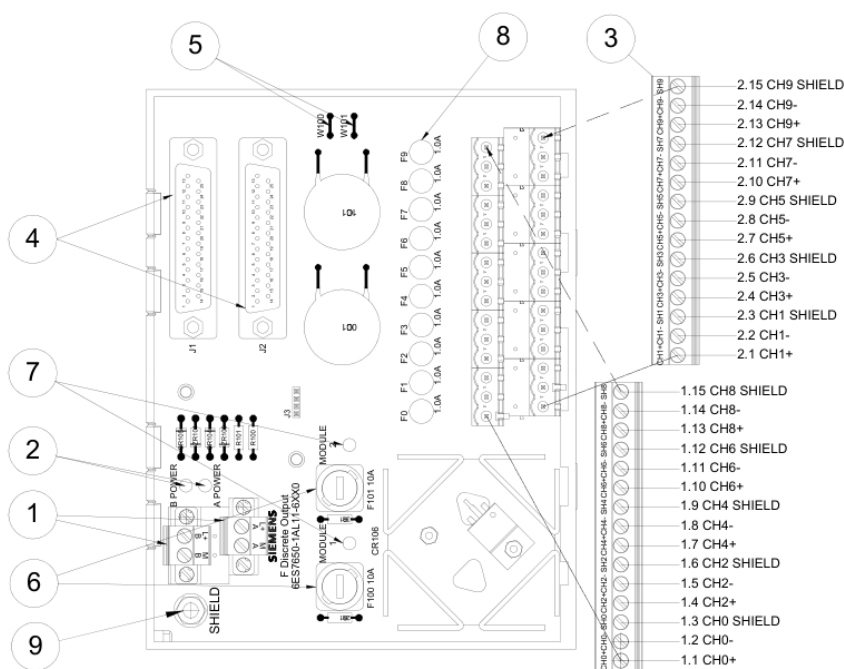
- Use a 35 mm × 15 mm top-hat DIN rail in an IP54-or-better enclosure.
- Provide enclosure earthing, corrosion protection and suitable cable entries.
- Mount the MTA securely, then bond its shield stud to earth ground for EMC compliance.
- Keep liquids, corrosive gases and conductive contamination away from the open assembly.

Source: Siemens A5E00482820-12, pp. 30–32 and 183–190.

TERMINAL AND CONNECTION DRAWING

14.7 10-Channel, 24 VDC F Discrete Output Marshalled Termination Assembly

Figure 14–2 10-Channel, 24 VDC F Discrete Output Marshalled Termination Assembly (6ES7650-1AL11-6XX0 or 6ES7650-1AL10-6XX0)



Key to numbered items in Figure 14–2:

Item	Description
1	Input power connections
2	Input power indicators
3	Field wiring connections
4	I/O module connectors
5	Shield disconnect jumpers (W100 & W101)
6	Module power fuses
7	Module power indicators
8	Channel power fuse (1 of 10)
9	Shield Ground Stud for connecting to earth ground

04

INSTALLATION AND CONNECTION

- 01 Mount the MTA on the recommended 35 mm × 15 mm top-hat DIN rail.
- 02 Connect the MTA shield stud to earth ground for EMC compliance.
- 03 Connect 6ES7922-3BD00-0AN0 (3 m) or 6ES7922-3BJ00-0AN0 (8 m) to the ET 200M F-DO module.
- 04 Plug the D25 connector into the MTA; use J1 and J2 only for the documented redundant module arrangement.
- 05 Insert the removable field terminal connectors and verify CHx+, CHx– and SHx against Figure 14-2.
- 06 Insert the A and/or B I/O power connector, secure the removable power plugs, then apply power.

05

POWER-UP AND FUNCTION CHECKS

- Confirm A POWER and B POWER LEDs for the connected feeds; each indicates voltage above 15 V DC.
- Confirm the Module 1 and Module 2 fuse LEDs for the populated J1/J2 module paths.
- Test every connected failsafe output under the approved commissioning procedure.
- Record fuse state, output response and final terminal identification before return to service.

06

CONTROLLED DOCUMENT

Official manual	Siemens A5E00482820-12
Installation procedure	Section 2.3, page 32
Exact-model requirements	Section 14.4, page 184
Terminal drawing	Figure 14-2, page 187
Support	INFO@AMIKON.CN