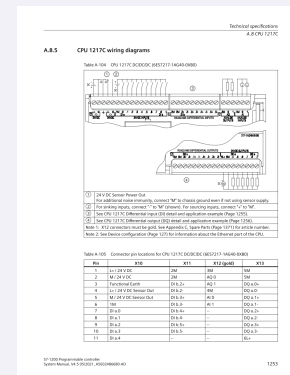


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Siemens 6ES7217-1AG40-0XB0

CPU 1217C DC/DC/DC



PRODUCT	6ES7217-1AG40-0XB0
FAMILY	SIMATIC S7-1200
FUNCTION	CPU 1217C DC/DC/DC
STATUS	Verify exact configuration

Prepared by Amikon Limited from Siemens exact-model datasheet 08/13/2026; S7-1200 A5E02486680-AO. This guide does not replace the complete manufacturer manual, site procedure, hazardous-area drawing, or approval document.

01 CONFIRM THE ORDERED CONFIGURATION

CPU electrical variant	DC/DC/DC
CPU supply range	20.4 to 28.8 V DC
24 V digital inputs	10 onboard channels
Differential digital inputs	4 RS-422/485 channels
24 V digital outputs	6 onboard channels; 0.5 A rated
Differential digital outputs	4 RS-422/485 channels
Analog voltage inputs	2 onboard channels; 0 to 10 V DC

02 MOUNTING AND CONNECTION

- Isolate the supply and prevent unexpected machine movement before disconnecting the CPU.
- Identify the 24 V supply, sensor supply and functional-earth terminals using the CPU 1217C wiring diagram.
- Separate ordinary digital I/O from the differential input and output pairs; verify receiver references and common-mode limits.
- Use the specified gold X12 connector for analog channels and short unused analog inputs as instructed.
- Restore the verified project and confirm hardware, firmware, network and license compatibility.

OFFICIAL INSTALLATION REFERENCE

Technical specifications

A.8 CPU 1217C

A.8.5 CPU 1217C wiring diagrams

Table A-104 CPU 1217C DC/DC/DC (6ES7217-1AG40-0XB0)

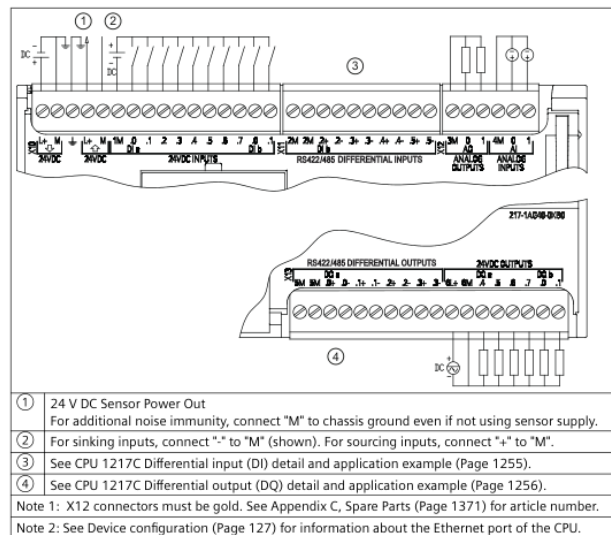


Table A-105 Connector pin locations for CPU 1217C DC/DC/DC (6ES7217-1AG40-0XB0)

Pin	X10	X11	X12 (gold)	X13
1	L+ / 24 V DC	2M	3M	5M
2	M / 24 V DC	2M	AQ 0	5M
3	Functional Earth	DI b.2+	AQ 1	DQ a.0+
4	L+ / 24 V DC Sensor Out	DI b.2-	4M	DQ a.0-
5	M / 24 V DC Sensor Out	DI b.3+	AI 0	DQ a.1+
6	1M	DI b.3-	AI 1	DQ a.1-
7	DI a.0	DI b.4+	--	DQ a.2+
8	DI a.1	DI b.4-	--	DQ a.2-
9	DI a.2	DI b.5+	--	DQ a.3+
10	DI a.3	DI b.5-	--	DQ a.3-
11	DI a.4	--	--	6L+

Official manufacturer reference reproduced from Siemens exact-model datasheet 08/13/2026; S7-1200 A5E02486680-AO. Use the current source document and all referenced drawings and notes for installation.

04

CABLE ROUTING AND CONNECTION

- Identify the 24 V supply, sensor supply and functional-earth terminals using the CPU 1217C wiring diagram.
- Separate ordinary digital I/O from the differential input and output pairs; verify receiver references and common-mode limits.
- Use the specified gold X12 connector for analog channels and short unused analog inputs as instructed.
- Restore the verified project and confirm hardware, firmware, network and license compatibility.
- Test configured input states, analog values, drive interfaces and protective functions before normal machine operation.

05

INITIAL SYSTEM CHECKS

- Confirm model identity and compatible system components before energizing.
- Verify wiring, grounding, enclosure, and applicable hazardous-area requirements.
- Test configured I/O, project operation and network communication before release.
- Record the installed order number and baseline operating condition.

06

CONTROLLED DOCUMENTS

Official source	Siemens exact-model datasheet 08/13/2026; S7-1200 A5E02486680-AO
Product record	6ES7217-1AG40-0XB0
Manufacturer	Siemens
Support	INFO@AMIKON.CN