

SIMATIC S7-300

Installation Instructions

6GK7343-1EX30-0XE0

CP 343-1 Ethernet Processor

PORTS	SPEED	SUPPLY	PROTECTION
2 × RJ45	10/100 Mbps	24 V DC	IP20

01 PRODUCT VERIFICATION

Article number	6GK7343-1EX30-0XE0
Product	CP 343-1 Ethernet Processor
Family	SIMATIC S7-300
Product type	CP 343-1 communications processor
Network	Industrial Ethernet
PROFINET interface	1 with 2-port switch
Ethernet ports	2 × RJ45
Transmission rate	10/100 Mbps

02 BEFORE INSTALLATION

- Switch off the S7-300 station before inserting or removing the CP and its backplane-bus connector.
- Install the CP in a permitted rack slot with unobstructed upper and lower ventilation openings.

OFFICIAL INSTALLATION DRAWING

The selected Siemens source page is retained as the installation and wiring reference. Use the current controlled manual for final work.

Installation, connection, commissioning, removal

5.3 Installing and connecting up



Legend:

- 1) Attachment to Industrial Ethernet (PROFINET interface): 2 x 8pin RJ45 jack
- 2) Connecting the power supply
- 3) Slider for setting the chassis ground connection

Figure 5-1 Connectors of the CP

Ground/chassis ground concept

Note

Note the instructions regarding the grounding and chassis ground concept in the SIMATIC S7 installation guides; see "SIMATIC S7 Programmable Controller S7300 - Installation and Hardware: Installation Manual": /12/ (Page 82)".

Behind the hinged panel on the left of the device, you will see a slider with which you can connect or disconnect the chassis ground of the 24V power supply with reference ground.

- Slider pushed in: Chassis ground and reference ground are connected (caution: you can feel the slider lock into position).
- Slider pulled out: There is no connection between chassis ground and reference ground.

When shipped: Slider pushed in

Use a screwdriver to set the slider.

04 INSTALLATION SEQUENCE

01

Switch off the S7-300 station before inserting or removing the CP and its backplane-bus connector.

02

Install the CP in a permitted rack slot with unobstructed upper and lower ventilation openings.

03

Connect the shared 24 V DC power supply and protective grounding arrangement before network cabling.

04

Connect Industrial Ethernet to either RJ45 port, assign the IP configuration and download the verified hardware configuration.

05 OFFICIAL DOCUMENTATION

CP 343-1 Equipment Manual (C79000-G8976-C201-09)

[Open current Siemens manual](#)

[Open Siemens exact product record](#)

06 SUPPORT CONTACT

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