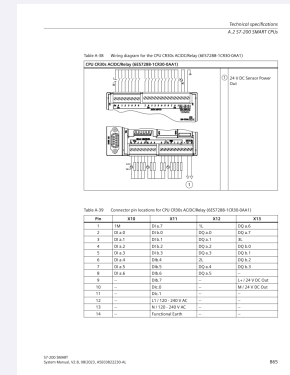


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

Siemens 6ES7288-1CR30-0AA1

CPU CR30s Relay Controller



PRODUCT	6ES7288-1CR30-0AA1
FAMILY	SIMATIC S7-200 SMART
FUNCTION	CPU CR30s Relay Controller
STATUS	Verify exact configuration

Prepared by Amikon Limited from Siemens S7-200 SMART V2.8, A5E03822230-AL, 08/2023. This guide does not replace the complete manufacturer manual, site procedure, hazardous-area drawing, or approval document.

01 CONFIRM THE ORDERED CONFIGURATION

Power supply range	85 to 264 V AC or 77 to 138 V DC
AC operating frequency	47 to 63 Hz
Digital input count	18; 24 V DC nominal
Digital output count	12 dry-contact relays
Output contact rating	2 A per point maximum
Relay operating delay	10 ms maximum
Program capacity	12 KB

02 MOUNTING AND CONNECTION

- Isolate the CPU supply and every external load supply; use safeguards independent of the PLC.
- Mount on the documented panel or DIN rail with the required cooling and wiring clearances.
- Use the CR30s X10-X13 diagram and identify 1L, 2L and 3L before connecting relay loads.
- Check channel-specific input filters and the nominal 24 V sensor power budget.
- Restore the project and configure the RS485 message protocol; plan the effect of the USB-PPI service cable.

OFFICIAL INSTALLATION REFERENCE

Technical specifications

A.2 S7-200 SMART CPUs

Table A-38 Wiring diagram for the CPU CR30s AC/DC/Relay (6ES7288-1CR30-0AA1)

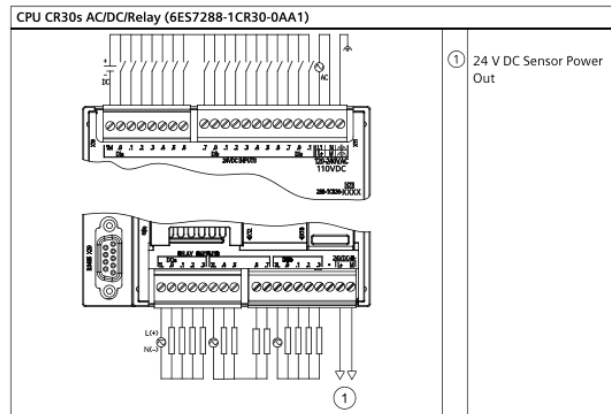


Table A-39 Connector pin locations for CPU CR30s AC/DC/Relay (6ES7288-1CR30-0AA1)

Pin	X10	X11	X12	X13
1	1M	DI a.7	1L	DQ a.6
2	DI a.0	DI b.0	DQ a.0	DQ a.7
3	DI a.1	DI b.1	DQ a.1	3L
4	DI a.2	DI b.2	DQ a.2	DQ b.0
5	DI a.3	DI b.3	DQ a.3	DQ b.1
6	DI a.4	DI b.4	2L	DQ b.2
7	DI a.5	DI b.5	DQ a.4	DQ b.3
8	DI a.6	DI b.6	DQ a.5	--
9	--	DI b.7	--	L+ / 24 V DC Out
10	--	DI c.0	--	M / 24 V DC Out
11	--	DI c.1	--	--
12	--	L1 / 120 - 240 V AC	--	--
13	--	N / 120 - 240 V AC	--	--
14	--	Functional Earth	--	--

Official manufacturer reference reproduced from Siemens S7-200 SMART V2.8, A5E03822230-AL, 08/2023. Use the current source document and all referenced drawings and notes for installation.

04

CABLE ROUTING AND CONNECTION

- Mount on the documented panel or DIN rail with the required cooling and wiring clearances.
- Use the CR30s X10-X13 diagram and identify 1L, 2L and 3L before connecting relay loads.
- Check channel-specific input filters and the nominal 24 V sensor power budget.
- Restore the project and configure the RS485 message protocol; plan the effect of the USB-PPI service cable.
- Test discrete signals, serial operation in RUN and controlled STOP/restart behavior before release.

05

INITIAL SYSTEM CHECKS

- Confirm model identity and compatible system components before energizing.
- Verify wiring, grounding, enclosure, and applicable hazardous-area requirements.
- Test RUN/STOP behavior, service-cable effects and complete device messages.
- Record the installed order number and baseline operating condition.

06

CONTROLLED DOCUMENTS

Official source	Siemens S7-200 SMART V2.8, A5E03822230-AL, 08/2023
Product record	6ES7288-1CR30-0AA1
Manufacturer	Siemens
Support	INFO@AMIKON.CN