



TYPE APPROVAL CERTIFICATE
No. ELE144723XG

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	Programmable logic controller
<i>Type</i>	SIMATIC ET200SP
<i>Applicant</i>	Siemens AG - DI FA SIMATIC TYPE TEST WERNER - VON SIEMENS STR. 50 92224 Amberg GERMANY
<i>Manufacturer</i>	SIEMENS AG - AMBERG
<i>Place of manufacture</i>	Werner Von Siemens Str. 50 D-92224 Amberg GERMANY
<i>Reference standards</i>	Rules for the classification of ships.- Part C - Machinery, systems and fire protection. - Ch.3, Sect. 6, Table 1.

Issued in **HAMBURG** on **October 25, 2023**. *This Certificate is valid until* **October 24, 2028**

RINA Services S.p.A.
Giuseppe Russo

This certificate consists of this page and 1 enclosure

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SIMATIC ET200SP**Product description:**

The ET200SP series is a distributed I/O system for mounting on a DIN rail.

Type	Order no.	Designation	
Interface modules	6ES7 155-6AR00-0AN0	IM155-6PN Basic	
	6ES7 155-6AU00-0DN0	IM155-6PN HS	
	6ES7 155-6AU01-0BN0	IM155-6PN ST	
	6ES7 155-6AU01-0CN0	IM155-6PN/2 HF	
	6ES7 155-6AU30-0CN0	IM155-6PN/3 HF	
	6ES7 155-6AU00-0HM0	IM155-6 PN R1	
	6ES7 155-6BU00-0CN0	IM155-6DP HF	
	6ES7 155-6BA01-0CN0	IM155-6DP HF	
	6ES7 155-6MU00-0CN0	IM155-6MF HF	
CPU Modules	6ES7 510-1DJ01-0AB0	CPU 1510SP-1 PN	
	6ES7 510-1DK03-0AB0	CPU 1510SP-1 PN	
	6ES7 512-1DK01-0AB0	CPU 1512SP-1 PN	
	6ES7 512-1DM03-0AB0	CPU 1512SP-1 PN	
	6ES7 514-2DN03-0AB0	CPU 1514SP-2 PN	
	6ES7 677-2DB40-0AA0	CPU 1515SP PC2	
Digital Inputs	6ES7 131-6BF00-0CA0	DI 8x24V DC HF, PU 1	
	6ES7 131-6BF00-0DA0	DI 8x24V DC High Speed	
	6ES7 131-6BF01-0AA0	DI 8x24V DC Basic	
	6ES7 131-6BF01-0BA0	DI 8x24V DC ST	
	6ES7 131-6BF61-0AA0	DI 8x24V DC SCR BA	
	6ES7 131-6BH01-0BA0	DI 16x24V DC ST	
	6ES7 131-6CF00-0AU0	DI 8x24V AC...48VUC BA	
	6ES7 131-6FD01-0BB1	DI 4x120...230V AC ST	
	6ES7 131-6TF00-0CA0	DI 8xNAMUR HF	
Digital Outputs	6ES7 132-6BD20-0BA0	DQ 4x24V DC/2A ST	
	6ES7 132-6BD20-0CA0	DQ 4x24V DC/2A HF	
	6ES7 132-6BD20-0DA0	DQ 4x24V DC/2A High Speed	
	6ES7 132-6BF00-0CA0	DQ 8x24V DC/0,5A HF	
	6ES7 132-6BF01-0AA0	DQ 8x24V DC/0,5A Basic	
	6ES7 132-6BF01-0BA0	DQ 8x24V DC/0,5A ST	
	6ES7 132-6BF61-0AA0	DQ 8x24VDC/0,5A SINK BA	
	6ES7 132-6BH00-0AA0	DQ 16x24V DC/0,5A BA	
	6ES7 132-6BH01-0BA0	DQ 16x24V DC/0,5A ST	
	6ES7 132-6FD00-0BB1	DQ 4x24...230V AC/2A ST	
	6ES7 132-6FD00-0CU0	DQ 4x24...230V AC/2A HF	
	Relay Outputs	6ES7 132-6HC50-0BU0	RQ CO 3x120VDC...230VAC/5A ST
		6ES7 132-6HC70-0BU0	RQ Coni 3x120VDC...230VAC/5A ST
6ES7 132-6GD51-0BA0		RQ CO 4x24VDC/2A ST	
6ES7 132-6HD01-0BB1		RQ NO 4x120VDC...230VAC/5A	
6ES7 132-6MD00-0BB1		RQ Coni 3x120VDC...230VAC/5A ST	



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Type	Order no.	Designation
Analogue Inputs	6ES7 134-6FB00-0BA1	AI 2xU ST
	6ES7 134-6FF00-0AA1	AI 8xU Basic
	6ES7 134-6GB00-0BA1	AI 2xl 2-/4-Wire ST
	6ES7 134-6GD01-0BA1	AI 4xl 2-/4-Wire ST
	6ES7 134-6GF00-0AA1	AI 8xl 2-/4-Wire Basic
	6ES7 134-6HB00-0CA1	AI 2xU/I 2-/4-Wire HF
	6ES7 134-6HB00-0DA1	AI 2xU/I 2-/4-Wire HS
	6ES7 134-6HD01-0BA1	AI 4xU/I 2-Wire ST
	6ES7 134-6JD00-0CA1	AI 4xRTD/TC 2-/3-/4-Wire HF
	6ES7 134-6JD00-0DA1	AI 4xTC HS
	6ES7 134-6JF00-0CA1	AI 8xRTD/TC 2-Wire HF
Analogue Outputs	6ES7 135-6FB00-0BA1	AQ 2xU ST
	6ES7 135-6GB00-0BA1	AQ 2xl ST
	6ES7 135-6HB00-0CA1	AQ 2xU/I HF
	6ES7 135-6HB00-0DA1	AQ 2xU/I HS
	6ES7 135-6HD00-0BA1	AQ 4xU/I ST
	6ES7 135-6TD00-0CA1	AQ 4xl HART HF
Communication modules	6ES7 137-6BD00-0BA0	CM 4xIO-Link ST
	6ES7 137-6AA01-0BA0	CM PTP
	6ES7 137-6CA00-0BU0	CM 1x Dali
	6ES7 545-5DA00-0AB0	CM DP
Technology modules	6ES7 138-6AA01-0BA0	TM Count 1x24V
	6ES7 138-6BA01-0BA0	TM Posinput
	6ES7 138-6CG00-0BA0	TM Timer DI/DQ 10x24V
	6ES7 138-6DB00-0BB1	TM Pulse 2x24V
Bus Adapter	6ES7 193-6AF00-0AA0	Busadapter BA 2xFC
	6ES7 193-6AG00-0AA0	Busadapter BA 2XLC
	6ES7 193-6AG20-0AA0	Busadapter BA LC/RJ45
	6ES7 193-6AG40-0AA0	Busadapter BA LC/FC
	6ES7 193-6AG50-0AA0	Busadapter BA 2xLC-LD
	6ES7 193-6AG60-0AA0	Busadaptre BA LC-LD/RJ45
	6ES7 193-6AG70-0AA0	Busadapter BA LC-DL/M12
	6ES7 193-6AM00-0AA0	Busadapter BA 2xM12
	6ES7 193-6AP00-0AA0	Busadapter BA 2xSCRJ
	6ES7 193-6AP20-0AA0	Busadapter BA SCRJ/RJ45
	6ES7 193-6AP40-0AA0	Busadapter BA SCRJ/FC
	6ES7 193-6AR00-0AA0	Busadapter BA 2xRJ45
	6ES7 193-6AS00-0AA0	Busadapter BA-Send BA1XFC
Coupler	6ES7158-0AD01-0XA0	DP/DP Coupler
	6ES7158-3AD10-0XA0	PN/PN Coupler
	6ES7158-3MU10-0XA0	PN/MF Coupler
Server module	6ES7 193-6PA00-0AA0	Servermodul



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Type	Order no.	Designation	
Base Unit	6ES7 193-6BP00-0BA0	BaseUnit Typ A0, BU15-P16+A0+2B	
	6ES7 193-6BP00-0BA1	BaseUnit Typ A1, BU15-P16+A0+2B/T	
	6ES7 193-6BP00-0BD0	BaseUnit Typ D0, BU20-P12+A0+0B	
	6ES7 193-6BP00-0BU0	BaseUnit Typ U0, BU20-P16+A0+2B	
	6ES7 193-6BP00-0DA0	BaseUnit Typ A0, BU15-P16+A0+2D	
	6ES7 193-6BP00-0DA1	BaseUnit Typ A1, BU15-P16+A0+2D/T	
	6ES7 193-6BP00-0DU0	BaseUnit Typ U0, BU20-P16+A0+2D	
	6ES7 193-6BP20-0BA0	BaseUnit Typ A0, BU15-P16+A10+2B	
	6ES7 193-6BP20-0BB0	BaseUnit Typ B0, BU20-P12+A4+0B	
	6ES7 193-6BP20-0BB1	BaseUnit Typ B1, BU20-P12+A0+4B	
	6ES7 193-6BP20-0BC1	BaseUnit Typ C1, BU20-P6+A2+4B	
	6ES7 193-6BP20-0BF0	BaseUnit Typ F0, BU20-P8+A4+0B	
	6ES7 193-6BP20-0DA0	BaseUnit Typ A0, BU15-P16+A10+2D	
	6ES7 193-6BP20-0DC0	BaseUnit Typ C0, BU20-P6+A2+4D	
	6ES7 193-6BP40-0BA1	BaseUnit Typ A1, BU15-P16+A0+12B/T	
	6ES7 193-6BP40-0DA1	BaseUnit Typ A1, BU15-P16+A0+12D/T	
	6ES7 193-6BP60-0BA0	BaseUnit Typ A0, 2BU15-P16+A0+2B	
	6ES7 193-6BP60-0DA0	Base Unit Typ A0, 2BU15-P16+A0+2DB	
	6ES7 193-6BR00-0HM0	Base Unit Typ M0	
	6ES7 193-6UP00-0BP1	PotDis-BU Typ P1, dark-colored	
	6ES7 193-6UP00-0BP2	PotDis-BU Typ P2, dark-colored	
	6ES7 193-6UP00-0DP1	PotDis-BU Typ P1, light-colored	
	6ES7 193-6UP00-0DP2	PotDis-BU Typ P2, light-colored	
	6ES7 193-6TP00-0TN0	PotDis-TB-n-c-G, PU 1	
	6ES7 193-6TP00-0TP0	PotDis-TB-BR-W, PU 1	
	6ES7 193-6TP00-0TP1	PotDis-TB-P1-R, PU 1	
	6ES7 193-6TP00-0TP2	PotDis-TB-P2-B, PU 1	
	Energy Meter	6ES7 134-6PA00-0CU0	AI Energy Meter 480V AC/CT HF
		6ES7 134-6PA01-0BD0	AI Energy Meter 400V AC ST
		6ES7 134-6PA01-0BU0	AI Energy Meter CT ST
		6ES7 134-6PA01-0CU0	AI Energy Meter CT HF
		6ES7 134-6PA20-0BD0	AI Energy Meter 480V AC ST
		6ES7 134-6PA20-0CU0	AI Energy Meter 480V AC/RC HF
6ES7 134-6PA21-0BU0		AI Energy Meter RC ST	
6ES7 134-6PA21-0CU0		AI Energy Meter RC HF	

Power supply: 24V DC or 230V AC

Degree of protection: IP20

Documents:

- A5E03576849-AH dated 02/2018; A5E03461486-AB dated 06/2014; A5E03576849-AK dated 05/2021

Test reports:**SIEMENS AG:**

- SIMATIC Type Test - 2018-03 dated 25.05.2019; 2021-09 dated 30.10.2020; 2021-10 dated 17.12.2020

- SIMATIC Type Test - 2023-003 dated 26.04.2023

- Specification for Type Tests and Test Report I IA AS RD ST Type Test - 2013-02 dated 24.09.2013

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Additional manufacturing location:

Siemens Industrial Automation Products Ltd.
Chengdu No. 99, Tian Yuan Road,
High Tech Zone West
611731 Chengdu City, Sichuan Province
P.R. CHINA

Siemens AG
Breslauer Strasse 5
90766 Fürth
Germany

Remarks:

- The products fulfill **EC Code: 31**.
- The equipment fulfils the EMC requirements for installation on the Bridge and Deck Zone if filter of type: B84113-C or equivalent with ratings $C=2x 0.47\mu F + 2x 4700pF$, $L=4x 4.7mH$ is used.
- The modules: 6ES7 134-6PA00-0BD0 (AI Energy Meter) and 6ES 132-6BD20-0DA0 (High speed) are fulfil the EMC requirements for installation in General Power Distribution Zones only.
- The Manufacturer's installation recommendation described above regarding surge protection is to be considered.
- Only Hardware and Firmware successfully tested together in compliance with the regulations as referred to in page one, according to the declaration of the manufacturer is covered by this certificate.
- Depending on the Application, Factory Acceptance and On-board Tests are to be performed in accordance with requirements for Category II or III Equipment..

HAMBURG October 25, 2023

Giuseppe Russo