

Siemens SIMATIC S5



SYSTEMS FOR CONTROL AND MONITORING OPERATOR PANELS

| DESIGNATION | | PART NUMBER |
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| INDUSTRIAL KEYBOARDS | TF1: 16 keys with LED | 6AV1 902-0AA00 |
| | TF2: 20 keys with LED | 6AV1 902-0AB00 |
| | TF3: 24 keys with LED | 6AV1 902-0AC00 |
| TEXT DISPLAYS | TD1/220-5 | 6AV1 142-0BA10 |
| | TD1/240-5 | 6AV1 142-0DA10 |
| | TD1/240-8 | 6AV1 142-0DB10 |
| | TD2/240-5 | 6AV1 142-1DA10 |
| | TD2/240-8 | 6AV1 142-1DB10 |
| OPERATOR PANELS | OP1/220-5 | 6AV1 132 0BA10 |
| | OP1/240-5 | 6AV1 132-0DA10 |
| | OP1/240-8 | 6AV1 132-0DB10 |
| OPERATOR PANELS | MP6 | 12 11 03 022 100 |
| | MP6 | 13 12 06 022 100 |
| | MP 12A-527 | 6AV1 122-1AA00 |
| | MP 12A-DIM | 6AV1 122-1AB00 |
| | MP 12A-470 | 6AV1 122-1AC00 |
| | MP 14B-527 | 6AV1 122-1BA00 |
| | MP 14B-470 | 6AV1 122-1BC00 |
| | OP17 | 6AV3 017-1NE30-0AX0 |
| | OP3 | 6AV3 503-1DB10 |
| | OP5 | 6AV3 505-1FB00 |
| | OP5 | 6AV3 505-1FB01 |
| | OP5-A2 | 6AV3 505-1FB12 |
| | OP15-A1 2 lines, 2 x TTY/V24, for S5 | 6AV3 515-1EB30 |
| | OP15-C2 4 lines, 2 x TTY/V24,L2-DP | 6AV3 515-1MA22-1AA0 |
| | OP20 240-8 | 6AV3 520-1EL00 |
| OP30/A without direct keys with Eprom | 6AV3 530-1RR00 | |
| OP30/A | 6AV3 530-1RR21 | |
| OP25 Operator panel | 6AV3 525-1EA01-0AX0 | |
| OP25 Operator panel with keys | 6AV3 525-1EA41-0AX0 | |
| OP7 Operator panel | 6AV3 607-1JC00-0AX1 | |
| OP7 Operator panel with Profibus | 6AV3 607-1JC20-0AX1 | |
| OP17 PP Operator panel for S5 | 6AV3 617-1JC00-0AX1 | |
| OP27 Operator panel | 6AV3 627-1JC00-0AX1 | |
| OP27 Operator panel | 6AV3 627-1JK00-0AX0 | |
| OP37 Operator panel | 6AV3 637-1LL00-0AX1 | |
| OP45 Operator panel | 6AV3 545-1VC12-3FX0 | |
| OP47 Operator panel | 6AV3 647-1ML20-3CB1 | |
| MP30/EL2 Monitor panel MP30/EL2 | 6AV5 030-1EL20-0AA0 | |
| TD390 | 6ES5 390-0UA11 | |

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| OP393 Mounting Rack | 6ES5 982-3UA11 |
| OP393-II | 6ES5 393-0UA11 |
| OP393-II | 6ES5 393-0UA12 |
| OP393-II | 6ES5 393-0UA13 |
| OP393-III | 6ES5 393-0UA15 |
| OP395 | 6ES5 395-0UA11 |
| OP395I | 6ES5 395-0UA21 |
| OP396 | 6ES5 391-0UA11 |
| WS400-20 LCD Monitor WF420 OP20 | 6FM1 420-1CA00 |

Note:

The industrial keyboards, text displays and several operator panels are ORIGIN WÖHRLE.

PROGRAMMABLE LOGIC CONTROLLERS (PLC) S5 – 100U

| DESIGNATION | PART NUMBER |
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| POWER SUPPLIES | |
| PS 930 AC | 6ES5 930-8MD11 |
| PS 931 AC | 6ES5 931-8MD11 |
| PROCESSING UNITS (CPU) | |
| AG90U Version compact | 6ES5 090-8MA01 |
| AG95F Absolute security | 6ES5 095-8AF01 |
| AG95 Version compact | 6ES5 095-8MA01 |
| AG95 Version compact | 6ES5 095-8MA02 |
| AG95 Version compact | 6ES5 095-8MA03 |
| AG95 Version compact | 6ES5 095-8MA04 |
| AG95 Version compact | 6ES5 095-8MA05 |
| AG95 Version compact with Sinec L2 | 6ES5 095-8MB01 |
| AG95 Version compact with Sinec L2 | 6ES5 095-8MB02 |
| AG95 Version compact with Sinec L2 | 6ES5 095-8MB03 |
| AG95 Version compact with Sinec L2 | 6ES5 095-8MB04 |
| AG95 Version compact with 2. AS511 | 6ES5 095-8MC01 |
| AG95 Version compact with 2. AS511 | 6ES5 095-8MC02 |
| AG95 Version compact with 2. AS511 | 6ES5 095-8MC03 |
| AG95 Version compact with Sinec L2-DP | 6ES5 095-8MD01 |
| AG95 Version compact with Sinec L2-DP | 6ES5 095-8MD02 |
| AG95 Version compact / Sinec L2-DP Master | 6ES5 095-8ME01 |
| CPU100U Processing unit | 6ES5 100-8MA02 |
| CPU102U Processing unit | 6ES5 102-8MA01 |
| CPU103U Processing unit | 6ES5 103-8MA01 |
| CPU103U Processing unit | 6ES5 103-8MA03 |
| DIGITAL INPUT CARDS | |
| 4 digital inputs 24V common ground | 6ES5 420-8MA11 |
| 8 digital inputs 24V common ground | 6ES5 421-8MA12 |
| 16 digital inputs 24V common ground | 6ES5 422-8MA11 |
| 8 digital inputs 24V isolated | 6ES5 431-8MA11 |
| 4 digital inputs 230V isolated | 6ES5 430-8MD11 |
| 8 digital inputs 8 x 230VAC | 6ES5 431-8MD11 |
| DIGITAL INPUT/OUTPUT | |
| 16 digital inputs / 16 digital outputs | 6ES5 482-8MA11 |
| 16 digital inputs / 16 digital outputs | 6ES5 482-8MA13 |

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| DIGITAL OUTPUT CARDS | 4 digital outputs 24V/0,5A common ground | 6ES5 440-8MA11 |
| | 4 digital outputs 24V/2A common ground | 6ES5 440-8MA21 |
| | 8 digital outputs 24V/1A common ground | 6ES5 441-8MA11 |
| | 4 digital outputs 24V/60V/0.5A isolated | 6ES5 450-8MB11 |
| | 4 digital outputs 115/240V, 1A isolated | 6ES5 450-8MD11 |
| | 8 digital outputs 24V/1A isolated | 6ES5 451-8MA11 |
| | 8 digital outputs 24V/60V, 0.5A isolated | 6ES5 451-8MB11 |
| | 8 digital outputs relays 30VDC/240 VAC | 6ES5 451-8MR12 |
| | 4 digital outputs relays 30VDC/240 VAC | 6ES5 452-8MR11 |
| ANALOG INPUT CARDS | 4 analog inputs +/-50mV isolated | 6ES5 464-8MA11 |
| | 4 analog inputs +/-1V isolated | 6ES5 464-8MB11 |
| | 4 analog inputs +/-10V isolated | 6ES5 464-8MC11 |
| | 4 analog inputs +/-20mA isolated | 6ES5 464-8MD11 |
| | 4 analog inputs +/- 4-20mA isolated | 6ES5 464-8ME11 |
| | 2 analog inputs PT100 isolated | 6ES5 464-8MF11 |
| | 2 analog inputs PT100 isolated | 6ES5 464-8MF21 |
| ANALOG OUTPUT CARDS | 2 analog outputs +/-10V isolated | 6ES5 470-8MA11 |
| | 2 analog outputs +/-1V isolated | 6ES5 470-8MA12 |
| | 2 analog outputs +/- 20mA isolated | 6ES5 470-8MB11 |
| | 2 analog outputs +/- 20mA isolated | 6ES5 470-8MB12 |
| | 2 analog outputs + 4-20mA isolated | 6ES5 470-8MC11 |
| | 2 analog outputs + 4-20mA isolated | 6ES5 470-8MC12 |
| | 2 analog outputs +1 up to +5V isolated | 6ES5 470-8MD11 |
| | 2 analog outputs +1 up to +5V isolated | 6ES5 470-8MD12 |
| COMMUNICATION PROCESSORS AND OTHERS | Communication processor CP521 | 6ES5 521-8MA11 |
| | Communication processor CP521 | 6ES5 521-8MA21 |
| | Communication processor CP521 BASIC | 6ES5 521-8MB11 |
| | Numerical counter 385A | 6ES5 385-8MA11 |
| | Numerical counter 385B | 6ES5 385-8MB11 |
| | Regulation card IP 262 | 6ES5 262-8MB12 |

PROGRAMMABLE LOGIC CONTROLLERS (PLC) S5 – 115U

| DESIGNATION | | PART NUMBER |
|------------------------|---------------------------|----------------|
| POWER SUPPLIES | PS 951 AC 115/230, 3 A | 6ES5 951-7LB14 |
| | PS 951 AC 115/230, 7/15 A | 6ES5 951-7LD12 |
| | PS 951 DC 24, 3 A | 6ES5 951-7NB13 |
| | PS 951 DC 24, 7/15 A | 6ES5 951-7ND12 |
| | PS 951 DC 24, 7/15 A | 6ES5 951-7ND32 |
| PROCESSING UNITS (CPU) | CPU 941 | 6ES5 941-7UA12 |
| | CPU 941 | 6ES5 941-7UA13 |
| | CPU 941 | 6ES5 941-7UB13 |
| | CPU 942 | 6ES5 942-7UA12 |
| | CPU 942 | 6ES5 942-7UA13 |
| | CPU 942 | 6ES5 942-7UB11 |
| | CPU 942 | 6ES5 942-7UF13 |
| | CPU 942 | 6ES5 942-7UF14 |

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| | CPU 943 | 6ES5 943-7UA21 |
| | CPU 943 | 6ES5 943-7UA22 |
| | CPU 943 | 6ES5 943-7UB11 |
| | CPU 943 with 2 interfaces | 6ES5 943-7UB21 |
| | CPU 944 | 6ES5 944-7UA12 |
| | CPU 944 with 2 interfaces | 6ES5 944-7UA22 |
| | CPU 944 | 6ES5 944-7UB11 |
| | CPU 944 with 2 interfaces | 6ES5 944-7UB21 |
| | CPU 945 | 6ES5 945-7UA21 |
| | CPU 945 | 6ES5 945-7UA23 |
| | CPU 946 | 6ES5 946-3UA11 |
| | CPU 946 | 6ES5 946-3UA21 |
| | CPU 946 | 6ES5 946-3UA22 |
| | CPU 946 | 6ES5 946-3UA23 |
| | CPU 947 | 6ES5 947-3UA11 |
| | CPU 947 | 6ES5 947-3UA21 |
| | CPU 947 | 6ES5 947-3UA22 |
| DIGITAL INPUT CARDS | 32 digital inputs 24V common ground | 6ES5 420-7LA11 |
| | 16 digital inputs 24/48V common ground | 6ES5 431-7LA11 |
| | 32 digital inputs 24V isolated | 6ES5 430-7LA12 |
| | 8 digital inputs 24V with alarm signal | 6ES5 434-7LA12 |
| | Special card with digital inputs | 6ES5 DE 430-/2E |
| DIGITAL INPUT/OUTPUT | 16 digital inputs / 16 digital outputs | 6ES5 482-8MA11 |
| | 16 digital inputs / 16 digital outputs | 6ES5 482-8MA13 |
| | 16 digital inputs / 16 digital outputs (S5-115F) | 6ES5 482-7LA11 |
| | 16 digital inputs / 16 digital outputs (S5-115F) | 6ES5 482-7LF31 |
| DIGITAL OUTPUT CARDS | 32 digital outputs 24V/0,5A common ground | 6ES5 441-7LA11 |
| | 32 digital outputs 24V/0,5A common ground | 6ES5 441-7LA12 |
| | 32 digital outputs 24V/0,5A common ground | 6ES5 441-7LA13 |
| | 4 digital outputs 24V/60V 0.5A | 6ES5 450-8MB11 |
| | 4 digital outputs 115/240V 1A | 6ES5 450-8MD11 |
| | 8 digital outputs 24V/1A isolated | 6ES5 451-8MA11 |
| | 32 digital outputs 24V/0,5A isolated | 6ES5 451-7LA11 |
| | 32 digital outputs 24V/0,5A isolated | 6ES5 451-7LA12 |
| | 16 digital outputs 24V/2A isolated | 6ES5 454-7LA11 |
| | 16 digital outputs 24V/2A isolated | 6ES5 454-7LA12 |
| | 8 digital outputs 24V/2A isolated | 6ES5 454-7LB11 |
| | 16 digital outputs 115/240/1A isolated | 6ES5 456-7LA11 |
| | 8 digital outputs relays 115V/240V isolated | 6ES5 458-7LB11 |
| ANALOG INPUT CARDS | 8 analog inputs isolated | 6ES5 460-7LA11 |
| | 8 analog inputs isolated | 6ES5 460-7LA12 |
| | 8 analog inputs isolated | 6ES5 460-7LA13 |
| | 16 analog inputs common ground | 6ES5 465-7LA12 |
| ANALOG OUTPUT CARDS | 8 analog outputs +/-10V, 20 mA isolated | 6ES5 470-7LA12 |
| | 8 analog outputs +/-10V isolated | 6ES5 470-7LB12 |
| | 8 analog outputs +1..5/4..20 mA isolated | 6ES5 470-7LC12 |
| COMMUNICATION PROCESSORS | Communication processor CP523 | 6ES5 523-3UA11 |
| | Communication processor CP523 | 6ES5 523-3UAF |

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| Communication processor CP526 | 6ES5 526-3LA01 |
| Communication processor CP526 | 6ES5 526-3LA11 |
| Communication processor CP526 | 6ES5 526-3LF11 |
| Communication processor CP526 | 6ES5 526-3LG11 |
| Communication processor CP530 Sinec L1 | 6ES5 530-7LA12 |

PROGRAMMABLE LOGIC CONTROLLERS (PLC) S5 – 135U

| DESIGNATION | | PART NUMBER |
|--------------------------------------|---|-------------------------------------|
| PROCESSING UNITS (CPU) | CPU 921 | 6ES5 921-3UA12 |
| | CPU 921 | 6ES5 921-3UB11 |
| | CPU 922 | 6ES5 922-3UA11 |
| | CPU 924 | 6ES5 924-3UA13 |
| | CPU 928 | 6ES5 928-3UA12 |
| | CPU 928B with 2 interfaces | 6ES5 928-3UB12 |
| | CPU 928B with 2 interfaces | 6ES5 928-3UB21 |
| | CPU 948 | 6ES5 948-3UA11 |
| | CPU 948 | 6ES5 948-3UA21 |
| | DIGITAL INPUT CARDS | 32 digital inputs 24V common ground |
| 32 digital inputs 24V common ground | | 6ES5 420-4UA12 |
| 32 digital inputs 24V common ground | | 6ES5 420-4UA13 |
| 32 digital inputs 24V isolated | | 6ES5 430-4UA11 |
| 32 digital inputs 24V isolated | | 6ES5 430-4UA12 |
| 32 digital inputs 24V isolated | | 6ES5 430-4UA13 |
| 32 digital inputs 24V isolated | | 6ES5 430-4UA14 |
| 16 digital inputs 24/48/60V isolated | | 6ES5 431-4UA11 |
| 16 digital inputs 24/48/60V isolated | | 6ES5 431-4UA12 |
| 32 digital inputs with common ground | | 6ES5 432-4UA11 |
| 32 digital inputs with common ground | 6ES5 432-4UA12 | |
| DIGITAL OUTPUT CARDS | 32 digital outputs 24V/0,5A common ground | 6ES5 441-4UA12 |
| | 32 digital outputs 24V/0,5A common ground | 6ES5 441-4UA13 |
| | 32 digital outputs 24V/0,5A isolated | 6ES5 451-4UA12 |
| | 32 digital outputs 24V/0,5A isolated | 6ES5 451-4UA13 |
| | 32 digital outputs 24V/0,5A isolated | 6ES5 451-4UA14 |
| | 16 digital outputs 24V/2A isolated | 6ES5 453-4UA11 |
| | 16 digital outputs 24V/2A version compact | 6ES5 454-4UA12 |
| | 16 digital outputs 115/240V/2A isolated | 6ES5 456-4UA11 |
| | 16 digital outputs 115/240V/2A isolated | 6ES5 456-4UA12 |
| | 16 digital outputs relays 60V/0,5A | 6ES5 458-4UA11 |
| ANALOG INPUT CARDS | 8 analog inputs isolated | 6ES5 460-4UA12 |
| | 8 analog inputs isolated | 6ES5 460-4UA13 |
| | 16 analog inputs common ground | 6ES5 465-4UA11 |
| | 16 analog inputs common ground | 6ES5 465-4UA12 |

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| ANALOG OUTPUT CARDS | 8 analog outputs +/-10V/20mA isolated | 6ES5 470-4UA11 |
| | 8 analog outputs +/-10V/20mA isolated | 6ES5 470-4UA12 |
| | 8 analog outputs +/-10V isolated | 6ES5 470-4UB11 |
| | 8 analog outputs +/-10V isolated | 6ES5 470-4UB12 |
| | 8 analog outputs +1..5 / 4..20mA isolated | 6ES5 470-4UC12 |
| COMMUNICATION PROCESSORS AND OTHERS | Communication processor WF470 | 6GK1 470-3AB25 |
| | Communication processor CP524 | 6ES5 524-3UA13 |
| | Communication processor CP525 | 6ES5 525-3UA11 |
| | Communication processor CP525 | 6ES5 525-3UA21 |
| | Communication processor CP526 | 6ES5 526-3LA22 |
| | Communication processor CP527 color | 6AV1 242 -0AB10 |
| | Communication processor CP528 color | 6AV4 010-0AA10 |
| | Communication processor CP535 | 6ES5 535-3LB12 |
| | Communication processor CP535 | 6ES5 535-3MA12 |
| | Communication processor CP536 | 6ES5 536-3LA12 |
| | Communication processor CP544 fast | 6ES5 544-3UA11 |
| | Communication processor CP143 (CP535) | 6GK1 143-0AA01 |
| | Communication processor CP143 Sinec | 6GK1 143-0AT00 |
| | Communication processor CP581 / 486 | 6ES5 581-0ED13 |
| | Communication processor CP581 / 486 | 6ES5 581-0ED14 |
| | Communication processor CP581 / RGB | 6ES5 581-0EE15 |
| | Communication processor CP581 / VGA | 6ES5 581-1EE15 |
| | Numerical counter and positioning IP 240 | 6ES5 240-1AA21 |
| | Numerical counter and positioning IP 241 | 6ES5 241-1AA11 |
| | Card for transducer absolute measuring, 1 track | 6ES5 241-1AD11 |
| | Card for transducer incremental positioning | 6ES5 246-4UA41 |
| | Card for absolute positioning IP 246 | 6ES5 246-4UB21 |
| | Card for stepping motor positioning IP 247 | 6ES5 247-4UA11 |
| | Card for regulation IP 252 | 6ES5 252-3AA13 |
| | Card for synchronized regulation IP 252 | 6ES5 252-5AA11 |
| | Card for regulation S IP 262 | 6ES5 262-8MB12 |
| | Card for coordination 923A | 6ES5 923-3UA11 |
| | Card for coordination 923 | 6ES5 923-3UC11 |
| | Card for bus checking | 6ES5 313-3AA11 |
| | Card memory | 6ES5 355-3UA11 |

PROGRAMMABLE LOGIC CONTROLLERS (PLC) S5 – 155U

| DESIGNATION | | PART NUMBER |
|---------------------|---|----------------|
| PROCESSING UNITS | CPU 948R | 6ES5 948-3UR11 |
| | CPU 948 | 6ES5 948-3UR21 |
| DIGITAL INPUT CARDS | 32 digital inputs 24V common ground | 6ES5 420-3BA11 |
| | 32 digital inputs 24V isolated | 6ES5 430-3BA11 |
| DIGITAL OUTPUT | 16 digital outputs 24V/0,5A common ground | 6ES5 441-3AE11 |

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| CARDS | 16 digital outputs 24V/2A common ground | 6ES5 444-3AA11 |
| | 32 digital outputs 24V/0,5A common ground | 6ES5 445-3AA11 |
| | 32 digital outputs 24V/0,5A common ground | 6ES5 445-3AE11 |
| | 32 digital outputs 24V/0,12A isolated | 6ES5 450-3AA11 |
| ANALOG INPUT CARDS | 16 analog inputs common ground | 6ES5 465-3AA11 |
| ANALOG OUTPUT CARDS | 4 analog outputs 0-20mA common ground | 6ES5 476-3AA11 |
| | Module for measuring range +/-12,5mV, +/-50mV, +/-500mV, PT100 | 6ES5 498-1AA11 |
| | Module for measuring range +/-10V | 6ES5 498-1AA31 |
| | Module for measuring range +/-20mA | 6ES5 498-1AA41 |
| | Module for measuring range 4-20mA, 2 lines | 6ES5 498-1AA51 |
| | Module for measuring range 4-20mA, 2 lines | 6ES5 498-1AA71 |
| SPECIAL CARD | Card MONA-C | 6ES5 255-3AC11 |