



RACK FOR (CPU) 6ES7

400-1JA11-0AA0

URL:<https://www.sxplc.com/rack-for-cpu-6es7-400-1ja11-0aa0>

Product data sheet

| Servo amplifier model | | MR-J3-500A | MR-J3-700A |
|------------------------------|------------------------------------|---|-------------------|
| Main circuit power supply | Voltage / frequency (Note 1) | 3-phase 200 to 230VAC 50/60Hz | |
| | Permissible voltage fluctuation | 3-phase 170 to 253VAC | |
| | Permissible frequency fluctuation | ±5% maximum | |
| Control circuit power supply | Voltage / frequency | 1-phase 200 to 230VAC 50/60Hz | |
| | Permissible voltage fluctuation | 1-phase 170 to 253VAC 50/60Hz | |
| | Permissible frequency fluctuation | ±5% maximum | |
| | Power consumption (W) | 45 | |
| Interface power supply | | 24VDC ±10% (required current capacity : 300mA (Note3)) | |
| Control system | | Sine-wave PWM control / current control system | |
| Dynamic brake | | Built-in (Note 2) | |
| Safety features | | Overcurrent shutdown, regeneration overvoltage shutdown, overload shutdown (electronic thermal), servo motor overheat protection, encoder fault protection, regeneration fault protection, undervoltage / sudden power outage protection, overspeed protection, excess error protection | |
| Position control mode | Maximum input pulse frequency | 1Mpps (when using differential receiver), 200kpps (when using open collector) | |
| | Positioning feedback pulse | Resolution per encoder / servo motor rotation: 262144 p/rev | |
| | Command pulse multiple | Electronic gear A/B multiple, A: 1 to 1048576, B: 1 to 1048576 1/10 < A/B < 2000 | |
| | Positioning complete width setting | 0 to ±10000 pulses (command pulse unit) | |
| | Excess error | ±3 rotations | |
| Speed control mode | Torque limit | Set by parameters or external analog input (0 to +10VDC, maximum torque) | |
| | Speed control range | Analog speed command 1:2000, internal speed command 1:5000 | |
| | Analog speed command input | 0 to ±10VDC / rated speed (It is possible to change the speed in 10V using the parameter No.PC12.) | |
| | Speed fluctuation rate | ±0.01% maximum (load fluctuation 0 to 100%) 0% (power fluctuation ±10%) ±0.2% maximum (ambient temperature 25° C ±10° C), when using analog speed command | |
| Torque control mode | Torque limit | Set by parameters or external analog input (0 to +10VDC, maximum torque) | |
| | Analog torque command input | 0 to ±8VDC maximum torque (input impedance 10 to 12kΩ) | |
| | Speed limit | Set by parameters or external analog input (0 to ±10VDC, rated speed) | |
| Structure | | Fan cooling open (IP00) | |
| Environment | Ambient temperature | 0 to 55° C (non freezing), storage: -20 to 65° C (non freezing) | |
| | Ambient humidity | 90% RH maximum (non condensing), storage: 90% RH maximum (non condensing) | |
| | Atmosphere | Indoors (no direct sunlight); no corrosive gas, inflammable gas, oil mist or dust | |
| | Elevation / Vibration | 1000m or less above sea level / 5.9m/s ² maximum | |
| Mass (kg) | | 4.6 | 6.2 |

