

45A Single Motor Servo Module

Technical Specifications

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No of Phases: 3-ph AC

Output current

Rated current (In): 45A

Base-load current (IH): 38A

Intermittent duty current (Is6) 40%: 60A

Peak current (Imax): 85A

Output voltage: 400V

DC link voltage: DC 510 to 720V

DC-link current Id max: 54A

DC-link capacitance: 1175uF

Current demand max.: 1.20A

Rated current value: IN 45A

Output frequency for V/f control, servo & vector control: 0 to 600Hz

Overvoltage trip : $820 \pm 2\%$

Under voltage trip: $380 \pm 2\%$

Current carrying capacity

DC-link busbars: 200A

24 VDC busbars: 20A

Unit Power rating

Based on In (600 VDC; 4 kHz): 24kW

Based on IH: 21kW

Max. pulse frequency

without derating: 4kHz

with derating: 16kHz

Cooling method (with fan): Internal air cooling

Max. ambient temperature

without derating: 40°C

with derating: 55°C

Max. permissible heat sink temperature: 85°C

Weight: 9kg

Communication: LAN

Motor compatibility: 3ph Induction Motor

Note:

1. Drive should be compatible with Siemens Simotion D435 motion controller (Model: 6AU1435-0AA00-0AA1)

2. Vendor to ensure compatibility with the existing systems here. Vendor shall prove-out integration of the supplied model in case it is different from the reference model.

Reference Make and Model: Siemens Sinamics (Part No: 6SL3120-1TE24-5AA3)