



Application Note #1426

Description of the AMP-19x0

The AMP-19x0 interconnect includes brush-type servo amplifiers for the Optima Series Controllers. The AMP-1910 contains 1 amplifier; the AMP-1920, 2 amplifiers; the AMP-1930, 3 amplifiers; and the AMP-1940, 4 amplifiers. Each amplifier is rated for 7 Amps continuous, 10 Amps peak at up to 80 V. The gain of the AMP-19x0 is 1 Amp/V. The AMP-19x0 requires an external DC supply. The AMP-19x0 connects directly to the Optima Series Controllers. Screw-type terminals are provided for connection to motors, encoders, and external switches.

Features

- 7 Amps continuous, 10 Amps peak; 20 to 80V
- Available with 1, 2, 3, or 4 amplifiers
- Connects directly to Optima- and 18x2 Econo- Series Controllers
- Screw-type terminals for easy connection to motors, encoders, and switches
- Steel mounting plate with ¼" keyholes

Specifications

Minimum motor inductance: 1 mH

PWM frequency: 30 KHz

Ambient operating temperature: 0° to 70° C

Dimensions: 13.5" x 7.0" x 2.5"

Weight: 6 lbs. (AMP-1940)

Mounting: Keyholes – ¼" Ø

Gain: 1 amp/V