AC SERVO DRIVE

AMD5X MULTI-AXIS SERVO SYSTEM

Efficient, high performance motion control

AT A GLANCE

- High efficiency control for rotary and linear motors
- Very low current sensing noise
- Industry leading EtherCAT® fieldbus
- 12A, 20A, 35A and 55A output options available
- Encoder monitoring and protection
- High bandwidth encoder channels and current sensing

Run high bandwidth, high current multi-axis systems with EtherCAT®

SIMPLE AND EASY

ANCA MotionBench configuration software guides you through system setup in clear and concise steps.

HIGH PERFORMANCE

Large encoder bandwidth and ultra low current sensing noise produce excellent operating characteristics.

OPTIMISE YOUR SYSTEM

Customise detailed drive configuration and tuning parameters for unique applications.
**Drive Current**
- 12ARMS, 20ARMS, 35ARMS or 55ARMS continuous output options

**Encoder Channels**
- 2x incremental analogue 1Vpp Sin-Cos
- 600kHz usable bandwidth
- SVDC supply

**DC Bus**
- 600VDC
- Powered by AMD6x Infeed Unit
- Bussed system for improved efficiency

**Drive Control**
- 24VDC control input
- 0.5A nominal input

**Communication**
- 100Mbps
- EtherCAT® fieldbus
- SoE IEC 61800-7-204 profile
- Ethernet RJ-45

**Peak Current**
- 200% of nominal

**Motor Interface**
- Fully isolated motor temperature sensing
- Brake control

**High Speed Inputs**
- 2x Probes
- Filtered 24V output
- Event trigger
- Tachometer

**Encoder Monitoring**
- RJ-45 connection
- Motor speed monitoring
- External safety monitoring

**Control**
- Linear and rotational motors
- Position, velocity and torque control
- Thermal and over-current protection
- Ultra low current sensing noise

**Special Features**
- Field upgradeable firmware
- MotionBench configuration software
- Efficiency higher than 98%

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*55A Drive Coming Soon

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**Motion Control Solutions**

[Link to website] www.ancamotion.com

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