

Products: Motion Control

Universal CNC controller



The IndraMotion MTX from Bosch Rexroth is an open architecture, universal CNC controller for cutting and forming machine tools. Ethernet TCP/IP is available for communication with other components and systems. Numerical control and an integrated, multi-tasking enabled IndraLogic PLC, which provides IEC 61131-3 functionality, share hardware and the VxWorks real time operating system. The PLC executes 1000 statements in 60 μ s, and the CNC provides a maximum interpolation time of 1 ms when controlling eight axes. One unit can operate up to 64 axes using 12 independent CNC channels.

boschrexroth.ca Circle DPN 357

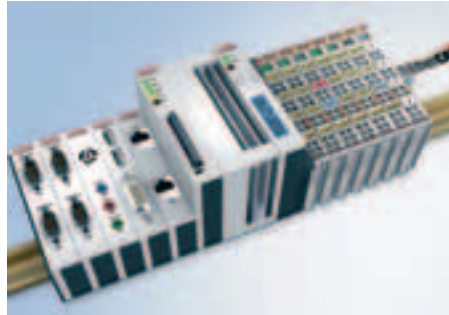
Brushless motor controller



The DECV 50/5 from Maxon is a digital velocity controller designed for controlling brushless motors up to 250 W equipped with Hall sensors. The controller has a speed range of 1000 to 60,000 rpm for 2-pole motors. Requiring a supply voltage of 12 to 50 Vdc, the controller can deliver 95% of the supply voltage to the motor at 5 A continuous current or 10 A peak current. Velocity and torque can be controlled via a 0 to 5 V signal or via external potentiometers.

electromate.com Circle DPN 353

DIN rail-mountable PC



The CX1020 Beckhoff embedded PC has CPU performance that is several times more powerful than that of previous CX controller models, and features a direct connection for EtherCAT I/O Terminals. The CX1020 has a 600 MHz Intel Celeron M CPU and requires no rotating media through the use of Compact Flash as its boot and memory medium. When EtherCAT is used as the fieldbus, the unit can achieve response times of <1 ms. However, the same master and slave components from the CX1000 line can be used – including those for Profibus, DeviceNet, CANopen, Lightbus and SERCOS.

beckhoff.com Circle DPN 356

3 Φ induction motor reverser

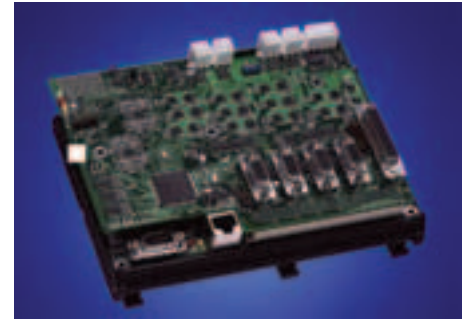


Teledyne Relays has introduced a three-phase induction motor reverser that can be used to turn on an industrial motor in either direction safely. The solid-state series EMCRT is designed to control and invert the direction of a three-phase motor with two of the three legs. The maximum current is 50 A rms (75 A on request). The motor reversers can be mounted on a DIN

rail or attached with screws. Units operate at 400 Vac, 4 kW or 400 Vac, 7.5 kW.

teledynereleys.com Circle DPN 358

Ethernet MC amplifier



Galil Motion Control has announced the AMP-20542 Low Inductance Servo Amplifier option for its DMC-21x3 series of Ethernet motion controllers. The amplifier directly attaches to the 96-pin connector of the DMC-21x3, which eliminates the need for any cabling. The amplifier contains four transconductance, PWM amplifiers for driving small, low-inductance brush or brushless servomotors. Each amplifier operates at 18 to 60 Vdc at up to 3.3 A continuous, 5 A peak. Additionally, the drive for each axis is software configurable so that it can operate in a chopper or inverter mode.

galilmc.com Circle DPN 359

Metric stroke linear actuators



Haydon Switch & Instrument has announced metric strokes of 18, 25 and 31 mm are available on its Z26000 captive linear actuators. The extended travel offerings are available in a wide variety of resolutions ranging from 0.0127 to 0.1016 mm per step and move loads up to 4.5 kg.

hsi-inc.com Circle DPN 360