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MICROSPEED ® (MCS)

Complete line of DC Servo Amplifiers for use in three velocity modes: with tachogenerator feedback, armature feedback and encoder feedback.

#### Typical applications are :

Robotics, X-Y Tables, Medical Equipment, Textile Equipment Conveyors, Graphic Machinery, Packaging Machinery, Positioners, Converting Machinery, Feeders.

### STANDARD FEATURES

#### ✓ Ultra compact design

- Extremely favorable cost to performance ratio
- Extremely suitable for personalization
- Extremely simple installation and use
- ✓ Surface Mount Technology
- Panel mount
- ✓ Motor driving range from 0.045 to 2.7 Nm (6.4 - 386 oz.-in.)
- ✓ Single DC power supply
- Armature feedback
- Tachogenerator feedback
- ✓ Torque mode

## **OPTIONS**

- Encoder Feedback
- ✓ PWM + DIR mode
- ✓ Positive / Negative Limit Switches

## **SPECIFICATIONS** (MCS 60)

- ✓ Supply voltage range:
- Operating frequency
- ✓ Operating temperature
- Input reference (differential)
- ✓ Motor current monitor
- ✓ Auxiliary output supply for encoder (optional)
- Enable signals
- ✓ Output voltage supply

- 20÷82 Vpc 35÷130 Vpc
- 0 ÷ 40 °C
- (32 ÷ 104°F) ±10Vpc
- ±7,5V (Peak current)
- +12V/+5V@130mA
- +10V÷30Vpc
- +10V/-10V@4mA



The MICROSPEED ® DC amplifiers are ultra compact modules, ideal solution for incremental motion control, velocity loop and positioning systems which require fast response, high torque at low speed, smooth speed control and high

reliability. There are many different velocity modes: tachogenerator feedback, armature feedback, encoder feedback, torque mode and PWM+DIR.

#### **ACCESSORIES** (see specific data sheets for details)

## ✓ SERVOMOTORS

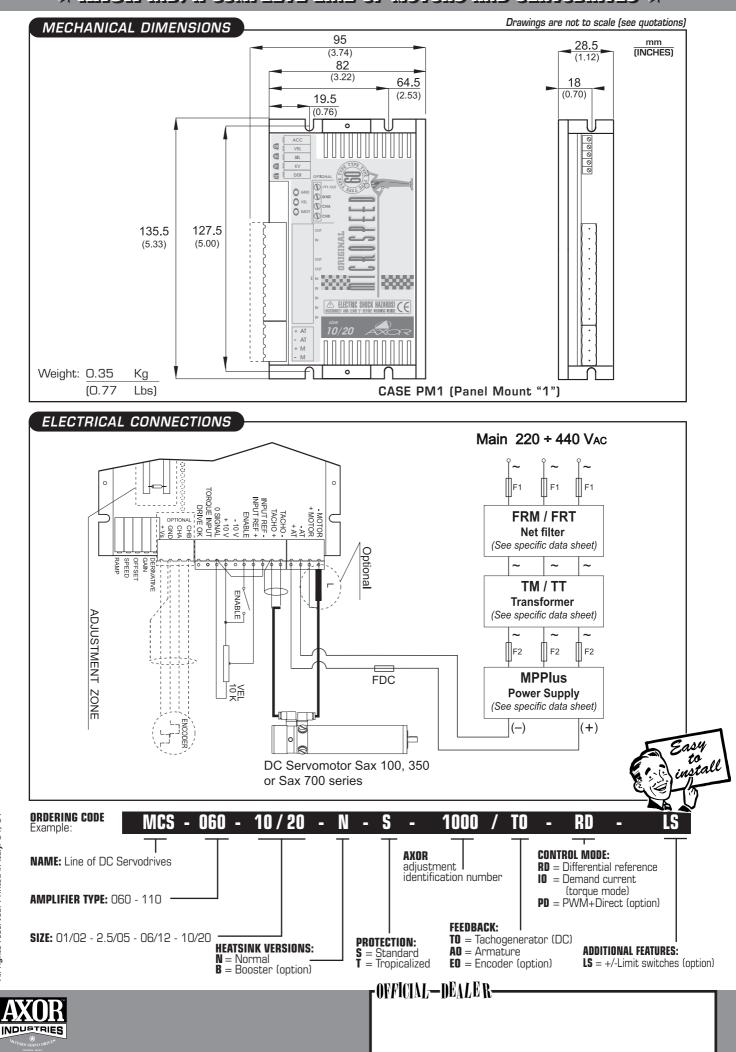
- 0.045÷2.7Nm (6.4÷386 oz.-in.) - Sax 100:
- Sax 350: 0.7÷1.8Nm (100÷257 oz.-in.)
- Sax 700: 0.1÷2.1Nm (14÷300 oz.-in.)
- ✓ GEARBOXES
- Rex 100: 5 flange sizes, R ratios 1/3+1/216
- ✓ POWER SUPPLY (stand alone)
- 63÷200 VDC OUT, 30 ADC. - MPPlus: 100÷800W braking power
- ✓ TRANSFORMERS
- TM/TT: single/3ph 100+8000 VA
- ✓ NET FILTERS (for CE compliance)
- FRM/FRT: single/3ph, 2+16 Arms

MODEL	MCS 60				MCS 110			
SIZE (A)	1/2	2.5/5	6/12	10/20	1/2	2.5/5	6/12	10/20
CASE	PM1	PM1	PM1	PM1	PM1	PM1	PM1	PM1
Rated Current (Adc)	1	2.5	6	10	1	2.5	6	10
Peak Current (ADC) x 2 sec.	2	5	12	20	2	5	12	20
FDC: Supply Line Fuse (type F, M or T)●	15 A / 250 V				15 A / 250 V			
Supply (VDC)	63 Voc 🔺				100 Vpc 🔺			
•: FDC Fuse Type: F=Quick-acting	M= Medium time-lag <b>T</b> =Time-lag				▲: Recommended DC power supply			

\* AXOR IND. A COMPLETE LINE OF MOTORS AND SERVODRIVES \*

(MCS 110) 22KHz

# $\star$ **AXOR** ind. A complete line of motors and servodrives $\star$



UNI EN ISO 9001