



Microspeed

(MCS)

**DC SERVO
AMPLIFIERS**



P. N. : D.S. / 10.05.16 / MCS / 06

| 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 |
| Nominal 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 T (Time-lag) | 15 A / 250 V | | | | | | | |
| Supply (VDC) | 63 VDC ¹ | | | | 100 VDC ¹ | | | |

¹: Recommended DC power supply

STANDARD FEATURES

- ⇒ Driving motor range up to 2.7 Nm (386 oz.-in.)
- ⇒ Ultra compact design
- ⇒ Extremely favorable cost to performance ratio
- ⇒ Extremely suitable for personalization
- ⇒ Extremely simple installation and use
- ⇒ Surface Mount Technology
- ⇒ Panel mount
- ⇒ Single DC power supply
- ⇒ Four LED (Red/Green) operating status signals
- ⇒ Fully protected against:
 - External short circuit
 - Over/under voltage
 - Overtemperature
- ⇒ **RD** Differential reference control mode
- ⇒ **TO** Tachogenerator feedback
- ⇒ Five calibration potentiometers

SPECIFICATIONS

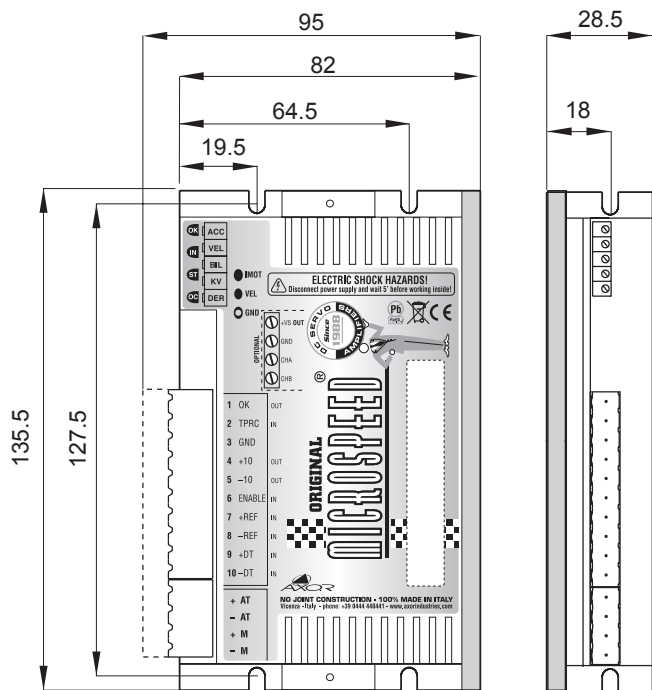
- ⇒ Supply voltage range: (MCS 60) = 20 - 82 Vdc
(MCS 110) = 35 - 130 Vdc
- ⇒ Operating frequency:..... 22 KHz
- ⇒ Operating temperature:..... 0 - 40 °C (32 - 104 °F)
- ⇒ Input reference (differential):..... ± 10 Vdc
- ⇒ Motor current monitor:..... ±7,5 V (At peak current)
- ⇒ Auxiliary output supply for encoder(opt):..... +5 V / 12 V @ 130mA
- ⇒ Enable signals:..... +10 - 30 Vdc
- ⇒ Output voltage supply:..... +10 V / -10 V @ 4mA

OPTIONS

- ⇒ **AO** Armature Feedback
- ⇒ **EO** Encoder Feedback
- ⇒ **IO** Demand current (torque mode)
- ⇒ **PD** PWM + Direct
- ⇒ **LS** + / - Limit switches

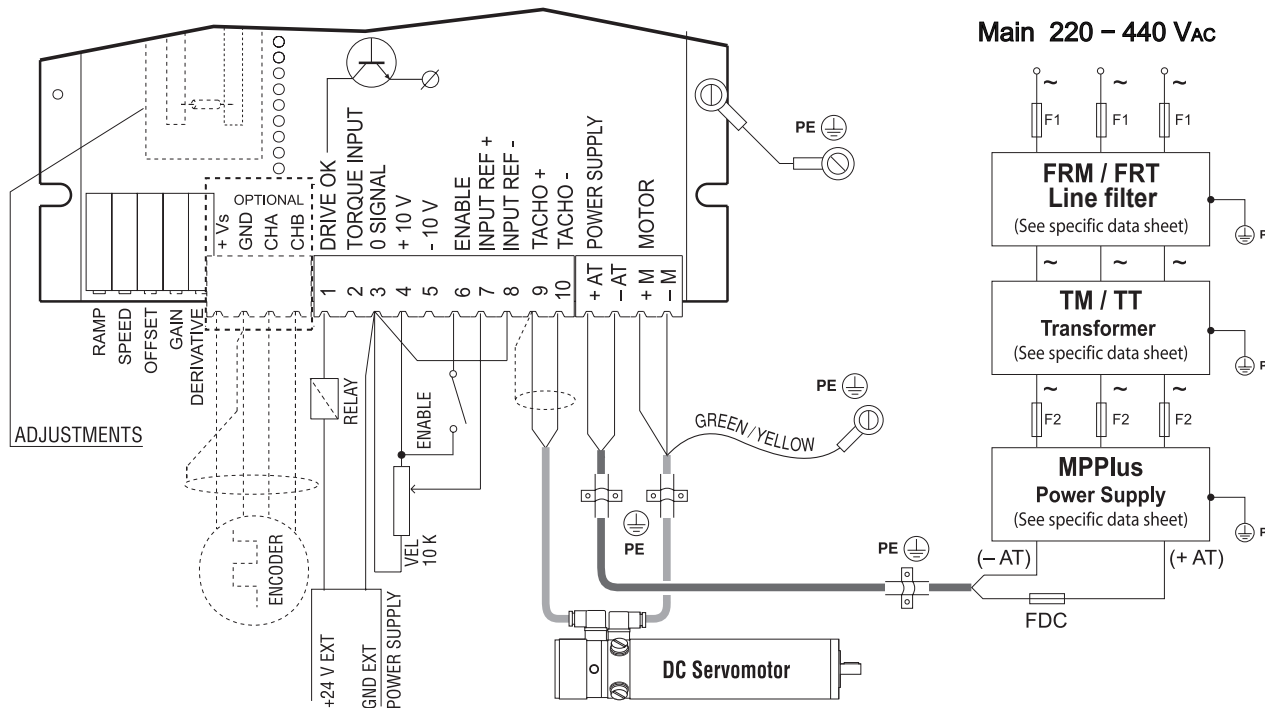


CASE PM1 (Panel Mount 1)



Weight: 0.35 Kg

Dimensions in mm



MCS - 060 - 10/20 - N - S - 1000 / TO - RD - LS

| | | | | |
|---|---|--|---|--|
| <p>DRIVE TYPE</p> <p>POWER SUPPLY: 060 = 60 Vdc, 110 = 110 Vdc</p> <p>SIZE: 01/02 - 2.5/05 - 06/12 - 10/20</p> <p>HEATSINK VERSIONS: N = Normal (std)</p> | <p>PROTECTION: S = Standard T = Tropicalized</p> <p>AXOR adjustment identification number</p> | <p>FEEDBACK: TO = Tachogenerator (DC) (std) AO = Armature (opt) EO = Encoder (opt) OO = No feedback (for IO and PD control modes) (opt)</p> | <p>CONTROL MODE: RD = Differential reference (std) PD = PWM + Direct (opt) IO = Demand current (torque mode) (opt)</p> | <p>ADDITIONAL FEATURES: LS = +/- Limit switches (opt)</p> |
|---|---|--|---|--|