AXOR
★ INDUSTRIES ★
motors & drives
SINCE 1988 ITALY

Microspeed

(MCS)

DC SERVO AMPLIFIERS

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
- **T0** 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

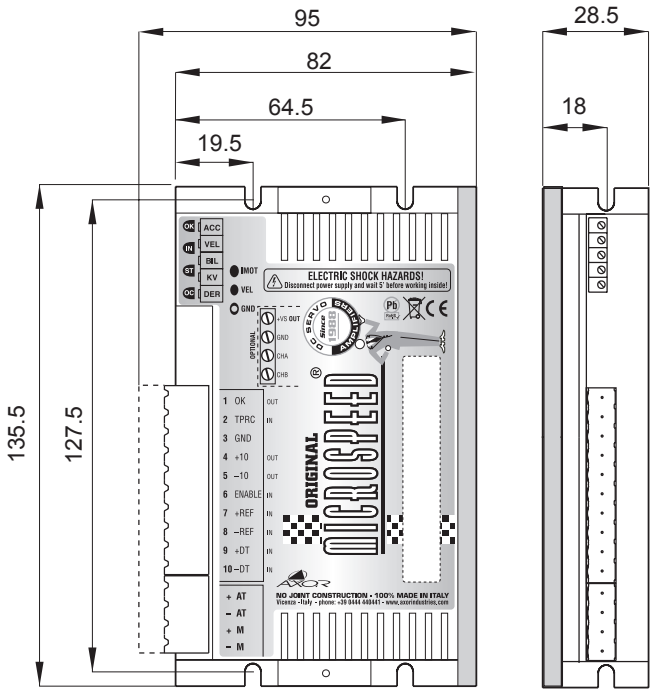
- **A0** Armature Feedback
- **E0** Encoder Feedback
- **I0** Demand current (torque mode)
- **PD** PWM + Direct
- **LS** + / - Limit switches

Pb RoHS COMPLIANT

CE

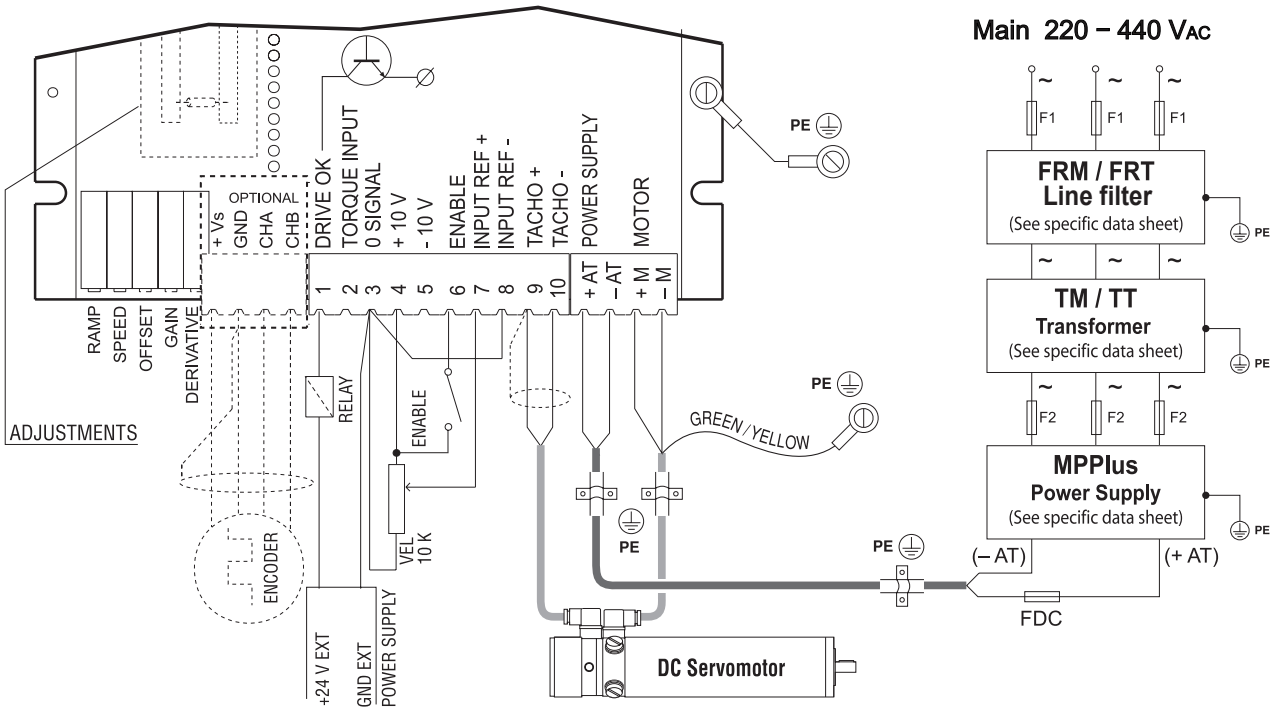
P. N. : D.S. / 10.05.16 / MCS / 06

CASE PM1 (Panel Mount 1)



Weight: 0.35 Kg

Dimensions in mm



MCS - 060 - 10 / 20 - N - S - 1000 / T0 - RD - LS

DRIVE TYPE

POWER SUPPLY: 060 = 60 VDC, **110** = 110 VDC

SIZE: 01/02 - 2.5/05 - 06/12 - 10/20

HEATSINK VERSIONS: N = Normal (std)

PROTECTION:
S = Standard
T = Tropicalized

AXOR adjustament identification number

FEEDBACK:
T0 = Tachogenerator (DC) (std)
A0 = Armature (opt)
E0 = Encoder (opt)
00 = No feedback
(for **I0** and **PD** control modes) (opt)

CONTROL MODE:
RD = Differential reference (std)
PD = PWM + Direct (opt)
I0 = Demand current
(torque mode) (opt)

ADDITIONAL FEATURES:
LS = +/- Limit switches (opt)