AXOR INDUSTRIES
motors & drives
SINCE 1988 ITALY

Masterspeed

(MTS)

DC SERVO AMPLIFIERS

MODEL	MTS 60						MTS 140						MTS 200					
SIZE (A)	4/8	8/16	10/20	14/28	20/40	25/50	4/8	8/16	10/20	14/28	20/40	25/50	4/8	8/16	10/20	14/28	20/40	25/50
Nominal Current (Arms)	4	8	10	14	20	25	4	8	10	14	20	25	4	8	10	14	20	25
Peak Current (Arms) x 2 sec.	8	16	20	28	40*	50*	8	16	20	28	40*	50*	8	16	20	28	40*	50*
FDC: Supply Line Fuse (T-type = time-lag)	4 A 250V	8 A 250V	10 A 250V	14 A 250V	20 A 250V	25 A 250V	4 A 250V	8 A 250V	10 A 250V	14 A 250V	20 A 250V	25 A 250V	4 A 250V	8 A 250V	10 A 250V	14 A 250V	20 A 250V	25 A 250V
Supply (3PH)	44 VAC[1]						95 VAC[1]						145 VAC[1]					

[1] : Recommended DC power supply * : Peak current = x 1 second

Standard Features

- Driving motor range up to 15 Nm (2142.8 oz.-in.)
- Internal power supply and dumping circuit
- Built-in cooling fan when required
- Surface Mount Technology
- Five LED (Red/Green) indicating operating status
- Five calibration potentiometers
- IGBT or POWER MOSFET bridge
- Removable power module
- Completely protected from:
  - over/under supply voltage
  - over temperature
  - external short circuit motor polarity
  - faulty or inverted tachometer
- **RD** Differential reference control mode
- **T0** Tachogenerator feedback

Specifications

- Supply voltage range: (MTS 60) = 22 - 44 VDC; (MTS 140) = 30 - 95 VDC; (MTS 200) = 45 - 145 VDC
- Output voltage:..... 1.35x VAC supply
- Input reference (differential):..... ± 10VDC
- Input-output demand current:..... ± 10VDC
- Output voltage for ext. use:..... +10 / -10VDC @ 3.5mA
- Enable signals:..... +10 - 30VDC
- PWM frequency:..... 20 KHz
- Motor current monitor:..... ±7,5V (At peak current)
- Operating temperature:..... 0 - 40 °C (32 - 104 °F)
- Humidity(without condensation):..... 10 - 95%

Options

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

Pb RoHS COMPLIANT CE

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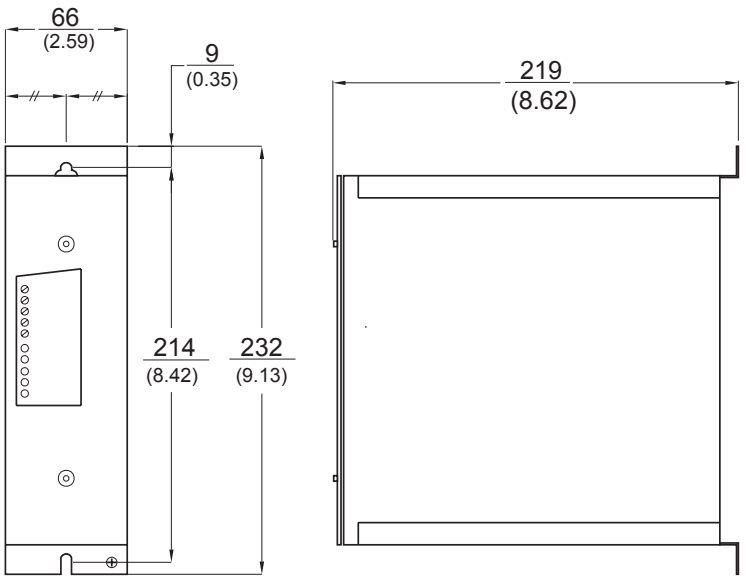
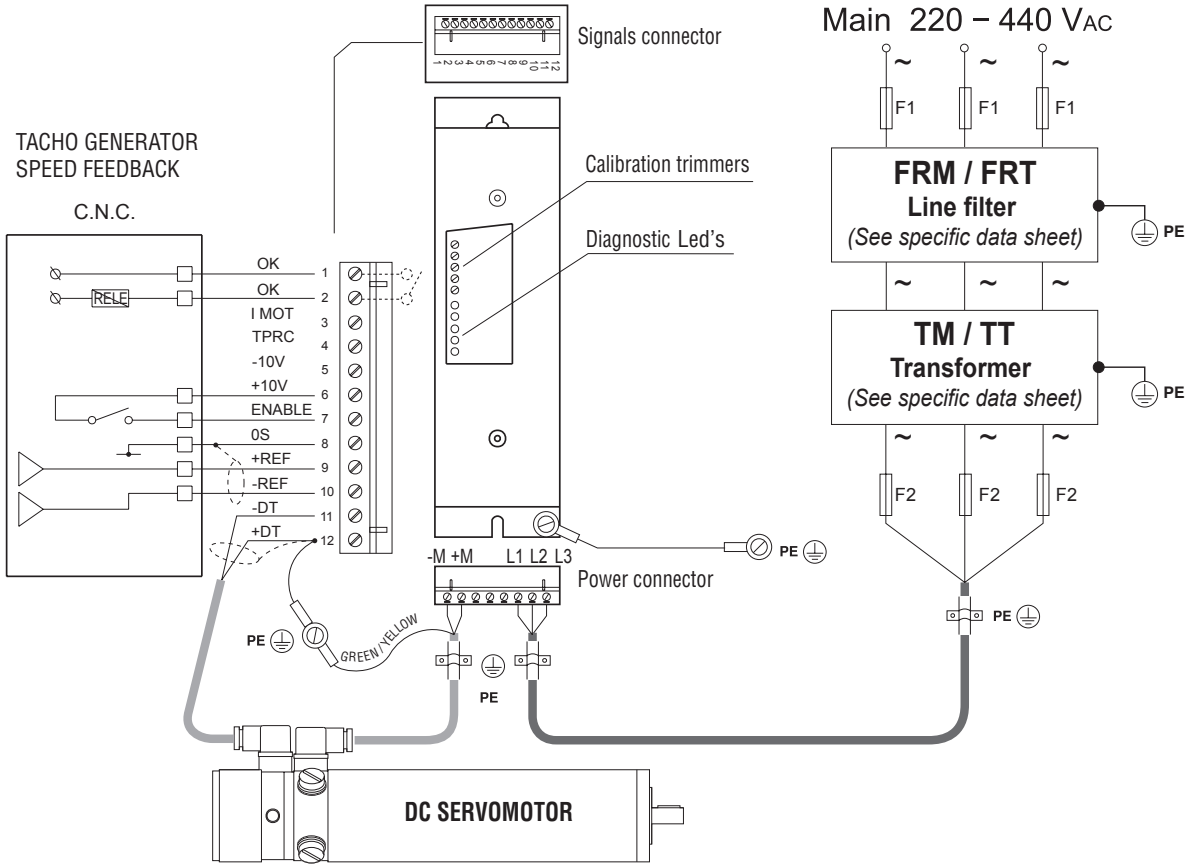
Dimensions in mm (inches)



Weight: 2.7 Kg



MTS - 200 - 10 / 20 - RX - S - 1000 / T0 - RD

DRIVE LINE

POWER SUPPLY: **060** = 60 VDC
140 = 140 VDC
200 = 200 VDC

SIZE: 04/08 - 08/16 - 10/20 - 14/28 - 20/40 - 25/50

DUMPING SIZE:
RX = internal standard resistors
R4 = 400W external resistors (opt)
R8 = 800W external resistors (opt)

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 mode) (opt)

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