



Microspeed Plus

(MCS PLUS)

DC SERVO
AMPLIFIERS



P. N. : D.S. / 10.05.16 / MCSPlus / 03

MODEL		MCS PLUS 60		MCS PLUS 140						MCS PLUS 200					
SIZE (A)		14/28	20/40	1/2	2.5/5	6/12	10/20	14/28	20/40	1/2	2.5/5	6/12	10/20	14/28	20/40
CASE	STANDARD	PM2 ☼	PM2 ☼	PM2	PM2	PM2	PM2	PM2 ☼	PM2 ☼	PM2	PM2	PM2	PM2 ☼	PM2 ☼	PM2B ☼
	OPTION	PM2B	PM2B					PM2B	PM2B				PM2B		
Nominal Current (ADC)		14	20	1	2.5	6	10	14	20	1	2.5	6	10	14	20
Peak Current (ADC) x 2 sec.		28	40*	2	5	12	20	28	40*	2	5	12	20	28	40*
FDC: Supply Line Fuse type T (Time-lag)		15 A 250 V	25 A 500 V	15 A / 250 V					25 A 500 V	15 A 250 V					25 A 500 V
Supply (VDC)		63 VDC ¹		140 VDC ¹						200 VDC ¹					

☼ : External forced cooling required

¹ : Recommended DC power supply

* : Peak current = x 1 second

STANDARD FEATURES

- Driving motor range up to 11 Nm (1600 oz.-in.)
- Ultra compact design
- Excellent cost to performance ratio
- Highly suitable for personalization
- Extremely simple installation and use
- Surface Mount Technology
- Panel mount
- Single DC power supply
- Five 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
- **LS** + / - Limit switches

SPECIFICATIONS

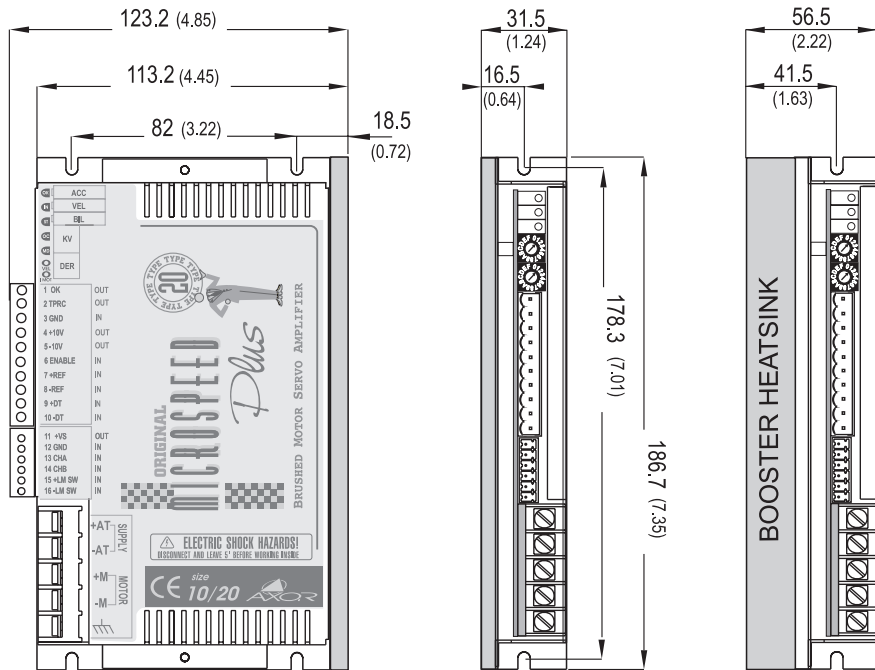
- Supply voltage range: (MCS PLUS 60) = 20 - 82 Vdc
(MCS PLUS 140) = 40 - 182 Vdc
(MCS PLUS 200) = 55 - 275 Vdc
- Operating frequency:..... 22 KHz
- Operating temperature:..... 0 - 40 °C (32 - 104 °F)
- Input reference (differential):..... ± 10Vdc
- Motor current monitor:..... ±7.5V (peak current)
- Auxiliary output supply for encoder(opt):..... +5V / 12V @ 250mA
- Enable signals:..... +10 - 30Vdc
- Output voltage supply:..... +10 / -10Vdc @ 4mA

OPTIONS

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



Dimensions in $\frac{mm}{(inches)}$

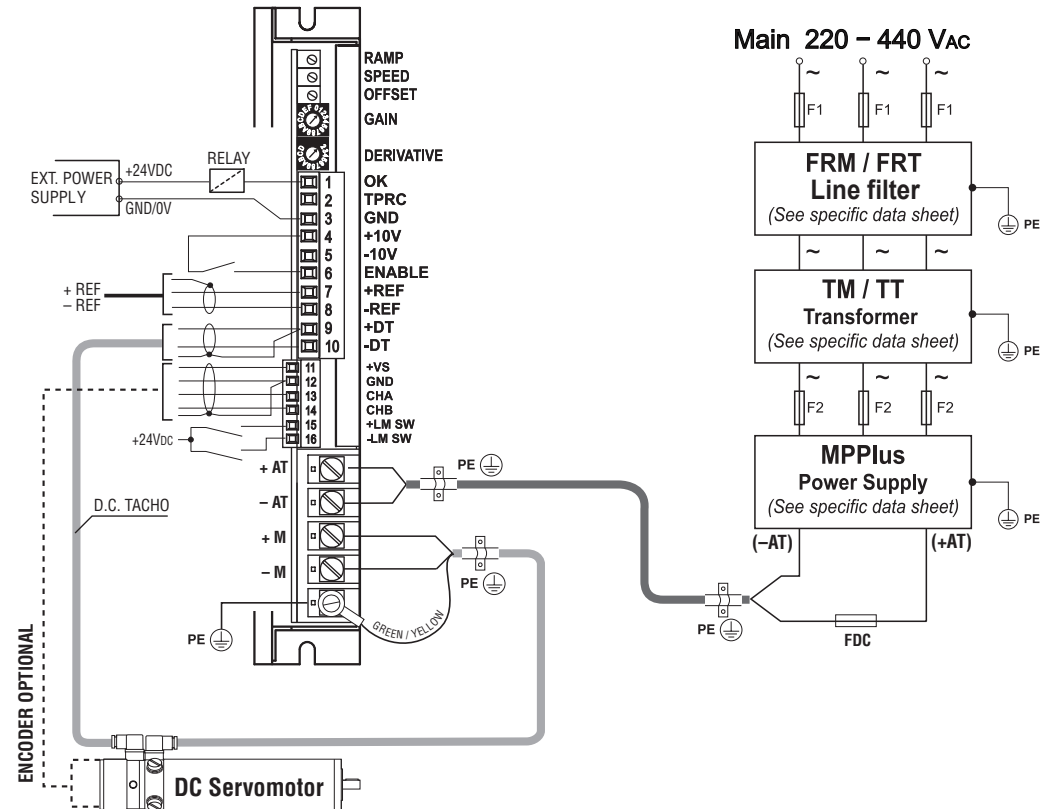


CASE PM2
(Panel Mount Type 2)

Weight: 0.75 Kg

CASE PM2B
(Panel Mount Type 2
with BOOSTER)

Weight: 1.20 Kg



MCS Plus - 140 - 10 / 20 - N - S - 1000 / T0 - RD - LS

DRIVE LINE

POWER SUPPLY: 060 = 60 Vdc
140 = 140 Vdc
200 = 200 Vdc

SIZE: 01/02 - 2.5/05 - 06/12 - 10/20 - 14/28 - 20/40

Not available for MCS Plus 60

HEATSINK VERSIONS: N = Normal (std), B= Booster (opt)

PROTECTION:
S = Standard
T = Tropicalized

AXOR
adjustment
identification
number

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

CONTROL MODE:
RD = Differential reference (std)
PD = PWM + Direction (opt)
IO = Demand current
(torque modes) (opt)

ADDITIONAL FEATURES:
LS = +/- Limit switches (std)
not available for
PD (PWM + DIR)
control mode