



MOTION
CONTROL PRODUCTS

Innovative products
for automation
industry

Microspeed

(MCS)

**DC SERVO
AMPLIFIERS**



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

DRIVE MODEL	MCS 60				MCS 110			
SIZE	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 x 2 sec (ADC)	2	5	12	20	2	5	12	20
FDC: Supply Line Fuse Type T (time-lag)	15A / 250V							
Supply (VDC)	63VDC ¹				100 VDC ¹			

NOTE ¹ : Recommended DC power supply

STANDARD FEATURES

- ⇒ Driving motor range up to 2.7Nm (386 oz.-in.)
- ⇒ Ultra-compact design
- ⇒ Extremely favourable 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
 - Over temperature
- ⇒ **RD** Differential reference control mode
- ⇒ **TO** Tachogenerator feedback
- ⇒ Five calibration potentiometers

Specifications

- ⇒ Supply voltage range: (MCS60) = 20 - 82VDC
(MCS110) = 35 - 130VDC
- ⇒ Operating frequency : 22 KHz
- ⇒ Operating temperature: 0 - 40 °C (32 - 104°F)
- ⇒ Input reference (differential)..... ± 10VDC
- ⇒ Motor current monitor: ±7,5V (At peak current)
- ⇒ Auxiliary output supply for encoder: +5V @ 130mA
- ⇒ Enable signals: +10 - 30VDC
- ⇒ Output voltage supply: +10V / -10V @ 4mA

Options

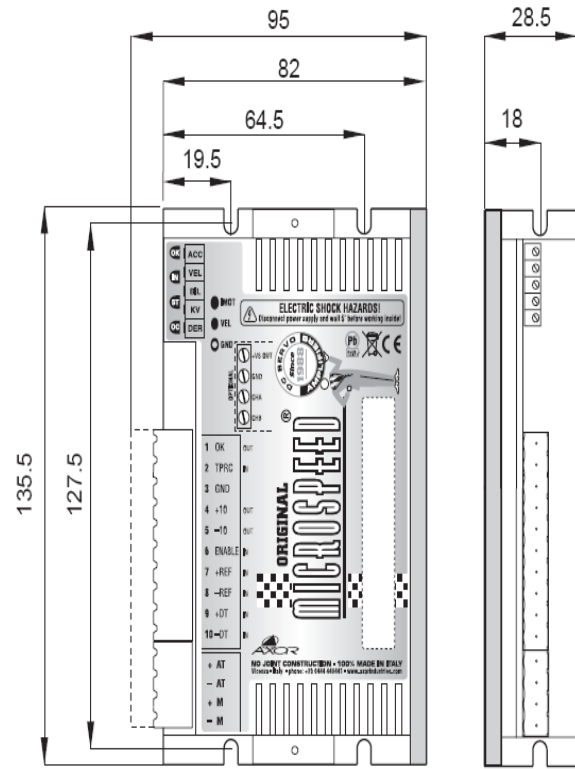
- ⇒ **A0** Armature Feedback
- ⇒ **E0** Encoder Feedback
- ⇒ **PD** PWM + Direct
- ⇒ **IO** Demand current (torque mode)
- ⇒ **LS** +/- Limit switches



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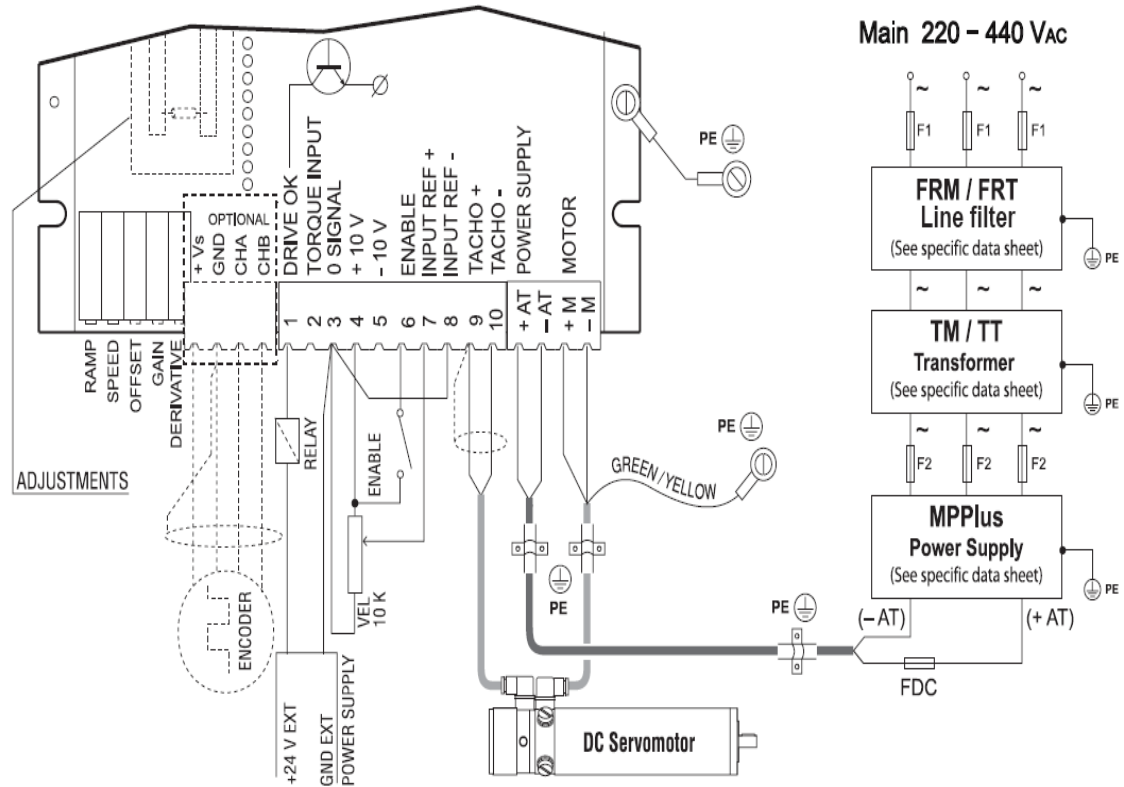
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CASE PM1 (Panel Mount 1)



Weight: 0.35 Kg

Dimensions in mm



MCS	-	060	-	10/20	-	N	-	S	-	1000 / T0	-	RD	-	LS
DRIVE TYPE								PROTECTION: S = Standard T = Tropicalized				CONTROL MODE: RD = Differential reference (std) PD = PWM + Direct (opt) IO = Demand current (torque mode) (opt)		ADDITIONAL FEATURES: LS = +/- Limit switches (opt)
POWER SUPPLY:		060 = 60 Vdc, 110 = 110 Vdc								FEEDBACK: T0 = Tachogenerator (DC) (std) AO = Armature (opt) EO = Encoder (opt) OO = No feedback (for IO and PD control modes) (opt)				
SIZE:		01/02 - 2.5/05 - 06/12 - 10/20												
HEATSINK VERSIONS:		N = Normal (std)						AXOR adjustment identification number						