

3A Servo amplifier



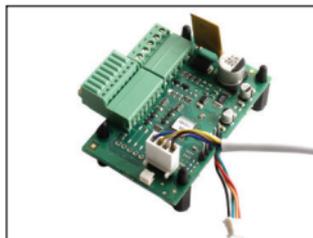
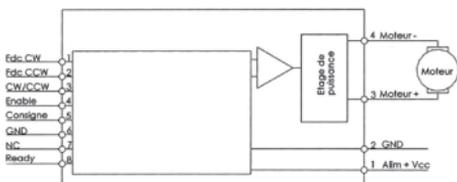
NANO

For motor control systems

- **Digital motor servo amplifier for driving DC motors (>90W)**
- Accepts limit switch inputs
- Small size
- Easily configured using a PC, RS232 cable required (not supplied)

Accessories

- **MDPOT-10T/10K** Control potentiometer
- NANO DC -RS232 configuration cable



Technical specifications		30V/3A	
- Max Power	90W	- Under voltage	Yes
- Power Supply	10 to 30 Vdc	- Over-current	Adjustable
- Max permanent output current	3A	- Motor short circuit	Yes
- Operating mode	PWM, 1 quadrant	- Short circuit on inputs	Yes
Inputs		Environment	
- Speed control	External voltage 0/10V	- Working temperature	0 to 40°C
- Enable	Voltage free contact (earthed)	- Storage temperature	-40 to +85°C
- Direction	Voltage free contact (earthed)	- Relative humidity	20 to 80 %non-condensing
- Limit switches	2 Voltage free contacts (earthed)	Connections	
Outputs		- Connectors	Spring loaded terminals, pitch 2.54mm. Wire size : 0.14 to 1.5mm2
- Ready	Open collector, 30Vdc 20mA	- Connectors (motor + supply)	Screw clamp terminals, pitch 3.81mm . Wire size : 0.14 to 1.5mm2
Controls		Mechanical characteristics	
- Max speed	Analogue voltage	- Dimensions	50x100x32mm
- Max current	Analogue voltage	- Weight	105g
Protection		- Mounting:	Uses M4 screws
- Reverse polarity	Resettable fuse		
- Over voltage	Yes		

DISCOUNTS

Qty	1+	6+	10+
Disc.	List	-7%	On request

Part number	Mounting	Screw spacing	Weight (g)	Price each 1 to 5
NANODC-1Q-30/3	M4 screw	34x54	0,11	125,25 €
NANODC-RS232		Cable NANO DC - RS232		94,29 €

Dimensions in mm

Speed controller 5A



ESCON-4Q 4 quadrant servo-controller

- Digital speed controller for DC or brushless motors up to 250W
- Configured using a USB cable and graphical interface

Accessories

- ESCON Studio software (Free download from our site)



ESCON-4Q-50/5



ESCON-USB



ESCON-CABLE

DISCOUNTS

Qty	1+	6+	10+
Disc.	List -7%		On request

Technical Specifications		50V/5A	
- Max power	250W	- Fault	Yes
- Supply voltage	10 to 50 Vdc	- Auxiliary Voltage	+5 Vdc 10 mA max
- Max output current	15A	- Hall sensor supply	+5 Vdc 10 mA max
- Nominal Output current	5A	- Encoder supply	+5 vdc 70mA
- Max motor speed	150 000 rpm	- Aux input supply	-10 /+10 Vdc
- Programmable	No	Parameters	
- Control mode	Current, Speed	- Offset	Yes
Inputs:		- Max speed	Yes
- Limit switches	No	- Max output current	5 A
- Analogue	2,12 bit, +/-10V	- Speed ramp	Yes
- Speed limit	Pot. ext/int, PWM 53.6KHZ	- Current point	15 A
- Enable/Disable	Yes	- Gain	Yes
- Electronic brake	Yes	Protection	
- Stop	No	- Reverse polarity	No
- Direction	Yes	- Surge protection	Yes
- Encoder	A,A/B, B/ -1MHz	- Under voltage	Yes
- Tachometer	Yes	- Overvoltage	Yes
- Regulation	Rxl	- Over Current limit	Limited by regulator
- Serial link	No	- Motor short circuit	Yes
- CAN bus	No	- Input short circuit	Yes
Outputs :		- Supply short circuit	Yes
- USB signal	Mini USB	- Thermal	Yes
- Speed	Yes	- Working temp	-30°/ +45°C
- Current	Yes	- Storage	-40°/ +85°C
- Ready	Yes	- Relative humidity	20/80 % non condensing

Part number	Mounting	Format	Weight (g)	Price each 1 to 5
ESCON-4Q-50/5	Screw M4	115X75,5x24	204	622.63 €
ESCON-USB		USB cable for PC link		29.47 €
ESCON-CABLE		Kit of 4 cables for DC motor		78.39 €

Dimensions in mm