

# 3A Servo amplifier



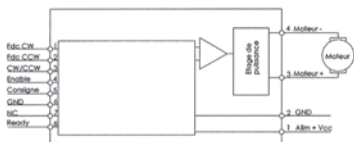
## NANO

For motor control systems

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

### Accessories

- **MDPOT-10T/10K** Control potentiometer
- Power supplies



### 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
<b>Inputs</b>		<b>Environment</b>	
- 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)	<b>Connections</b>	
<b>Outputs</b>		- Connectors	Spring loaded terminals, pitch 2.54mm. Wire size : 0.14 to 1.5mm <sup>2</sup>
- Ready	Open collector, 30Vdc 20mA	- Connectors (motor + supply)	Screw clamp terminals, pitch 3.81mm . Wire size : 0.14 to 1.5mm <sup>2</sup>
<b>Controls</b>		<b>Mechanical characteristics</b>	
- Max speed	Analogue voltage	- Dimensions	50x100x32mm
- Max current	Analogue voltage	- Weight	105g
<b>Protection</b>		- Mounting:	Uses M4 screws
- Reverse polarity	Resettable fuse		
- Over voltage	Yes		

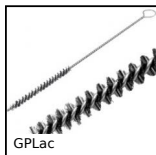
### DISCOUNTS

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

Part number	Mounting	Screw spacing cable	Weight (g)	Price each 1 to 5
NANODC-1Q-30/3	M4 screw	34x54	0,11	134,86 €
NANODC-RS232		Cable NANO DC - RS232		101,52 €

Dimensions in mm

## Our other products



GPLac

Brush, steel



ZG0

Plastic spur gear,  
Machined plastic  
(delrin)



RCC\_RCX

Spherical tilt washer -  
DIN6319, convex



SDA

Locking bolt support  
bracket, Mounting  
holes parallel to  
locating bolt



AF

Shaft clamp with  
keyway, Set screw



UCP\_PBT

Stainless/Polymer  
pillow block bearing,  
Polymer and stainless  
steel



H2

Crossed helical gear  
crossed axis at 90°,  
Steel 20NCD2



VTH

Hexagonal headed  
bolts, Steel class 8.8



HTD5M-BAR

HTD type tooth bar  
stock, HTD5



TK

Topball self-aligning  
linear bearing, Topball



CHAL3

Piano hinge,  
Aluminium



PLS

Cylindrical spacer,  
Stainless steel 303

## Complementary products



DOG319

Motor-gearbox 12V  
and 24V DC, from 4 to  
9 Nm



DOG111

Motor-gearbox 12V  
and 24V DC, from 1.5  
to 6 Nm