

# 3A Servo amplifier



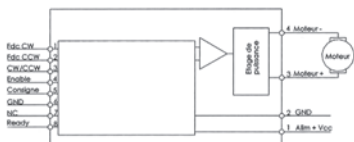
## NANO

## 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		

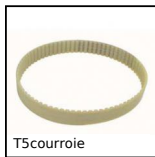
### DISCOUNTS

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 €

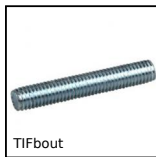
Dimensions in mm

## Our other products



T5courroie

T type timing belt, T5  
Steel cored  
polyurethane



TIFbout

Threaded stud -  
DIN976A, Steel



NPTF30

Spacer for tube  
carrier, Fixing  
accessory Ø14 to Ø20



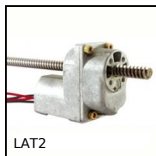
PLA

Flat magnet, Flat  
magnet



FUSS

Bearing locknut, Self  
locking locknut -  
stainless steel lock  
washer



LAT2

2A motorised linear  
actuator, 2 amperes



PR882

Idler sprocket for slat  
top chain, Range 882



DB

Steel bevel gear, 2:1



SSB

Stainless steel bevel  
gear, 1:1



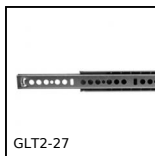
VTHA

Magnetic screw with  
hexagonal head, Steel



PSG1

Spur gear - precision  
range, Pre-hardened  
Steel 35NCD6



GLT2-27

Telescopic drawer  
runners for groove  
mounting, Partial  
extension

## 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