

# TPD Series

Multiaxis servoamplifier in a rack configuration



## Modular configuration:

TPD is the new generation of digital servodrives with a modular configuration.

The servo drives unit can be combined to form a complete multi-section drive system, saving space, reducing wiring, and providing unmatched system performances.

The basic configuration is made up of common bus drives, individual motor output sections that are easily connected to a common bus supply with a unique easy-to-install DC bus bar system.

Each module has a minimum footprint of 50mm and is available in three different versions (3, 2 or single axis)



## Contact Information:

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## Product Features:

- compact design
- saving time, space and material costs
- easy-to install
- SD card for parameters, software application and software update storage
- variable fan speed
- display on every units
- several fieldbus possibilities
- safety functions
- customized interface on request



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## Technical specifications and motor size

Power supply	200÷480Vac single/three-phase (±10%) 50-60Hz (±5%)
Control supply	24Vdc
Operation temperature	0÷45°C
Operation humidity	<85% non condensing
Altitude	1000m asl with 1,5% derating every 100m
Protections	IP20

Version	Nominal current (A)	Peak current (sec)	Peak current time (A)
3 axis	2 + 2 + 2	4 + 4 + 4	2
	5 + 5 + 5	10 + 10 + 10	
	8 + 5 + 2	16 + 10 + 4	
2 axis	2 + 2	4 + 4	
	5 + 5	10 + 10	
	8 + 8	16 + 16	
single axis	2; 5; 10; 15; 20; 30	4; 10; 20; 30; 40; 60	

The TPD Series, thanks to its compatibility with different feedback system, offers a high degree of efficiency for the multiaxis machines. As a possible option, the firmware, any applicative software required and parameterising of the system can be stored on an SD card to enable the simple administration of spare parts, not dependent on the use of a PC or other complex

interface systems. The TPD adopts a modular cooling system that enables a choice between different options: 1) feed-through cooling; 2) cooling with cold plate; 3) traditional cooling via controlled variable speed fans. The TPD comprises numerous safety functions such as "Safe torque off", "Safe speed off", depending on the applicative

demands of the customer. The TPD Series is also provided with a CANopen DS402 interface as an option, with an Ethernet interface to which the EtherCAT Real Time Ethernet interface has been added, this in the CoE (Can over Ethernet) version to guarantee compatibility on all CANopen applicatives already developed.

## Connection layout

