

# PLUS ET Series Drives

## EtherCAT®

### INTRODUCTION

- New series of stepping motor drives with EtherCAT interface, based on the following versions:
  - **PLUS ET A3**: with DC power supply (39-85 V<sub>DC</sub>)
  - **PLUS ET B3**: with AC power supply (28-62 V<sub>AC</sub>):
- Drives optimized for coupling with SANYO DENKI stepping motors, fitted with encoder.
- Compact system, developed to offer a wide variety of integrated functions and optimized for the most demanding motion control applications.

### HIGHLIGHTS

- Communication by means of EtherCAT interface.
- Modes of operation: PROFILE POSITION and CSP.
- Full digital microstepping drive.
- Wide range of stepping motors to be coupled with: holding torque up to 9.2 Nm and flange size up to 86 mm.
- Extremely compact size.
- A highly sophisticated operation system, preserving anyhow the traditional ease of use of R.T.A. drives.



Series	Model	V <sub>AC</sub> range (Volt)	V <sub>DC</sub> range (Volt)	I nom. (Amp)	Dimensions (mm)
PLUS ET	A3		39 to 85	6.0	152x129x46
PLUS ET	B3	28 to 62		6.0	152x129x46

## TECHNICAL FEATURES

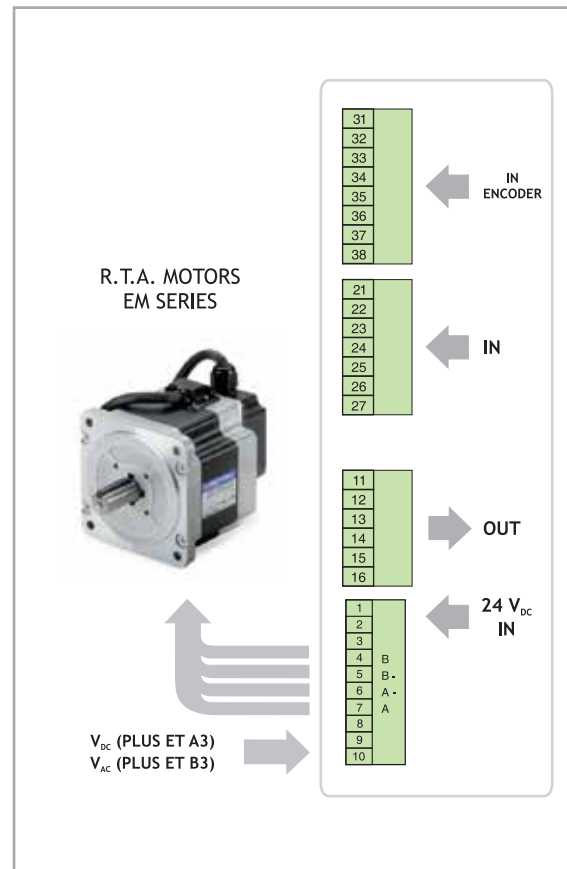
- Range of operating voltage: 39-85 V<sub>DC</sub> (**PLUS ET A3**) and 28-62 V<sub>AC</sub> (**PLUS ET B3**).
- Protections:
  - Protection against under-voltage and over-voltage.
  - Protection against a short-circuit at motor outputs.
  - Overtemperature protection.
- Electronic damping facility for further acoustic noise and mechanic vibrations reduction.
- Available in boxed version with plug-in connectors. Maximum compactness.
- Optoinsulated auxiliary and programmable inputs and outputs.
- External fans not needed.
- Warranty: 24 months.



## SETTING BY MEANS OF EtherCAT<sup>®</sup> INTERFACE

- Wide range of motor phase current setting.
- Motor current overboost.
- Intelligent management of the current profile.
- Communication by means of EtherCAT (CoE) interface.
- Modes of operation: PROFILE POSITION and CSP.
- Different variety of HOMING operation modes.
- Encoder feedback.

## POWER AND LOGIC CONNECTIONS



**EtherCAT<sup>®</sup>**

## MECHANICAL DIMENSIONS

