

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_{DC})
 - PLUS ET B3: with AC power supply (28-62 V_{AC}):
- 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.



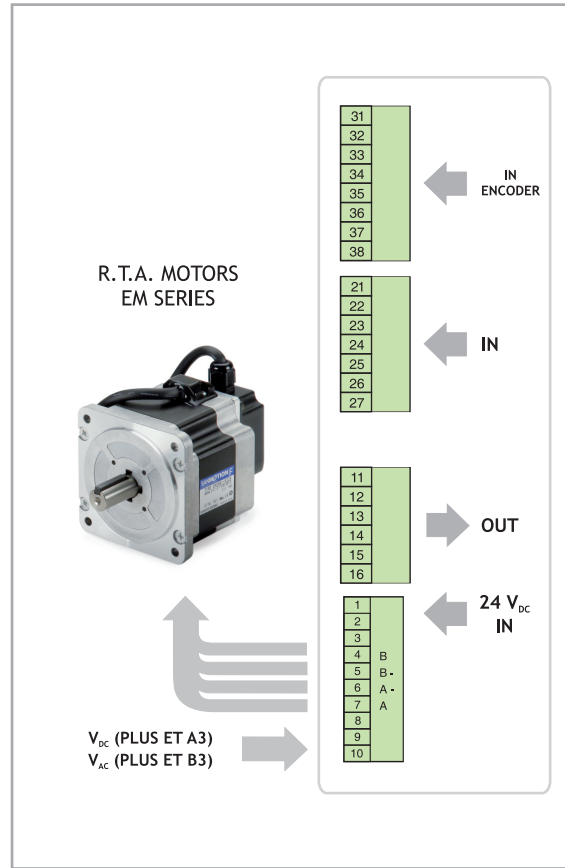
Series	Model	V _{AC} range (Volt)	V _{DC} range (Volt)	I nom. (Amp)	Dimensions (mm)
PLUS ET	A3		39 to 85	6.0	152x129x46
PLUS ET	B3	28 to 62		6.0	152x129x46

TECHNICAL FEATURES

- Range of operating voltage: 39-85 V_{DC} (PLUS ET A3) and 28-62 V_{AC} (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.



POWER AND LOGIC CONNECTIONS

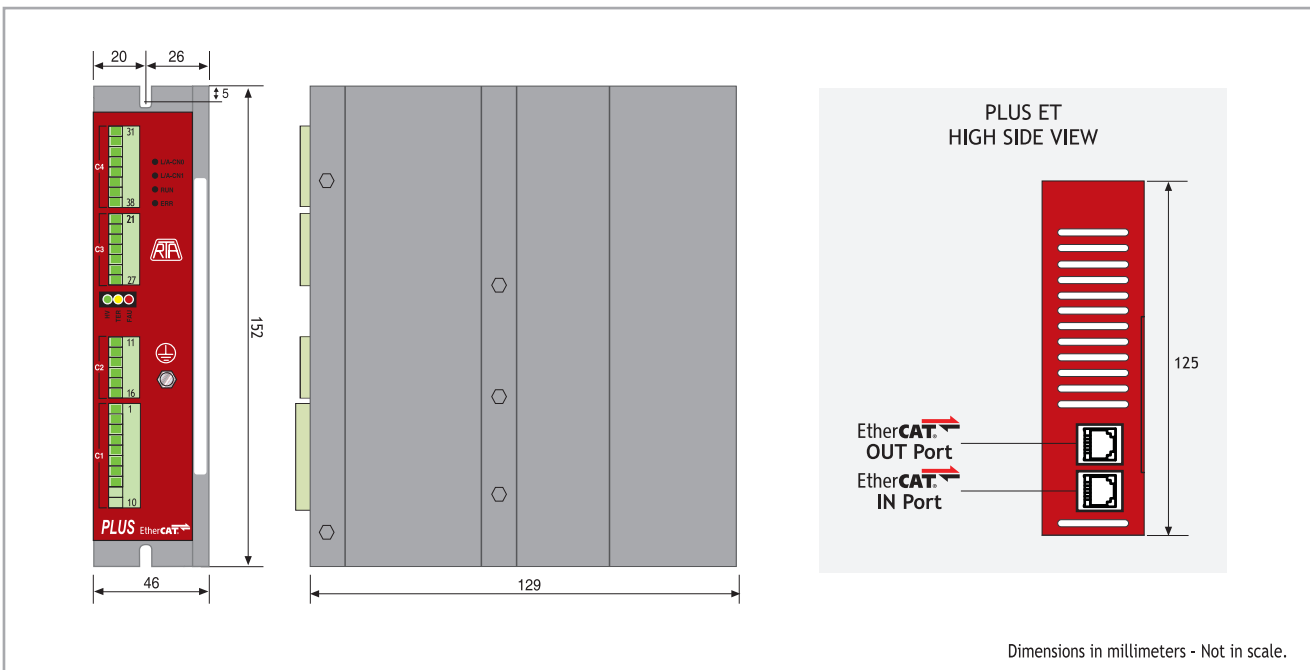


EtherCAT®

SETTING BY MEANS OF EtherCAT® 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.

MECHANICAL DIMENSIONS



© R.T.A. s.r.l. PAVIA (Italy) CAE - 06 - 14



R.T.A. s.r.l.
Via E. Mattei - Fraz. Divisa
27020 MARCIGNAGO (PV) ITALY
Tel. +39.0382.929.855 - Fax +39.0382.929.150
www.rta.it

R.T.A. Deutschland GmbH
Bublitzer Straße 34
40599 DÜSSELDORF (Germany)
Tel. +49.211.749.668.60 - Fax +49.211.749.668.66
www.rta-deutschland.de

R.T.A. IBERICA-Motion Control Systems S.L.
C/Generalitat 22, 1º 3º
08850 GAVA - BARCELONA (Spain)
Tel. +34.936.388.805 - Fax +34.936.334.595
www.rta-iberica.es