

# PLUS ET Series Drives

## EtherCAT®

3<sup>rd</sup>  
FIRMWARE  
GENERATION

### INTRODUCTION

- New series of stepping motor drives with EtherCAT interface, now available with a 3<sup>rd</sup> generation firmware release (2021).
- Drives optimized for coupling with SANYO DENKI stepping motors, fitted with encoder, but also able to manage third parts motors.
- Compact system, developed to offer a wide variety of integrated functions and optimized for the most demanding motion control applications.

### MAIN EtherCAT® FEATURES

- Modes of operation: PP, PV, Homing, CSP and CSV.
- Wide range of motor phase current setting and motor current overboost (120%).
- Different variety of HOMING operation modes.
- Encoder feedback and support of different resolution.
- Touch Probe function available.
- Limit switches management.
- Auto-sync function available featuring a closed loop positioning.
- 4 + 3 I/Os.



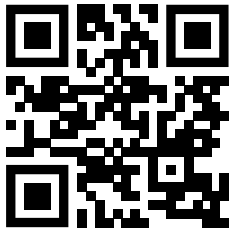
Please refer to [download.rta.it](https://download.rta.it) for technical specifications

Series	Model	V <sub>AC</sub> range (Volt)	V <sub>DC</sub> range (Volt)	I nom. (Amp)	Digital In/Out	Dimensions (mm)
PLUS ET	A3	/	39 to 85	6.0	4/3	152x129x46
PLUS ET	B3	28 to 62	/	6.0	4/3	152x129x46

## TECHNICAL FEATURES

- Range of operating voltage: 39-85 VDC (PLUS ET A3) and 28-62 VAC (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 plastic boxed version with plug-in connectors.
- Maximum compactness.
- Optoinsulated auxiliary and programmable inputs and outputs.
- External fans not needed.
- Warranty: 24 months.

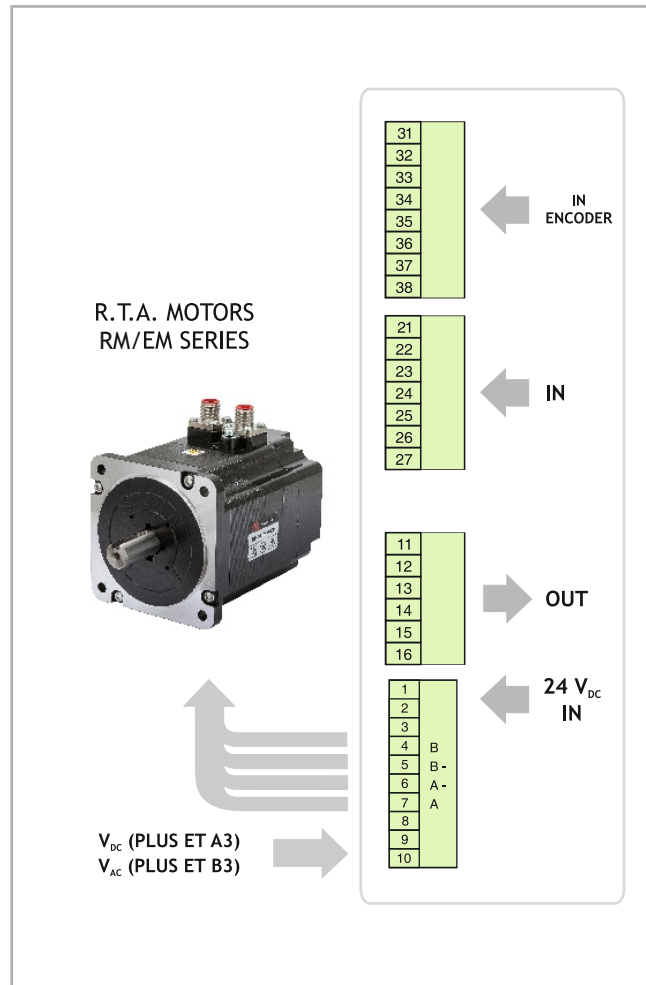
**EtherCAT**



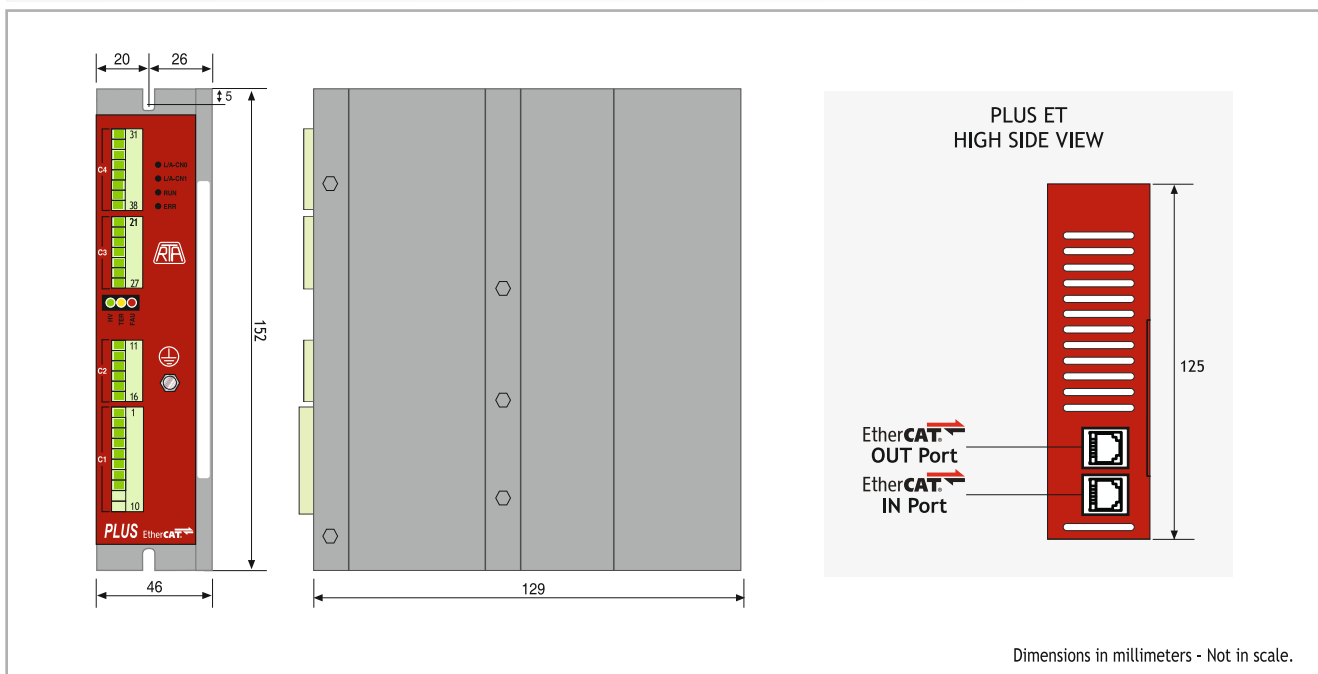
SCAN THE QR CODE TO WATCH A VIDEO ON THE AUTO-SYNC FUNCTION



## POWER AND LOGIC CONNECTIONS



## MECHANICAL DIMENSIONS



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