

CSD ET Series Drives

EtherCAT®

3rd
FIRMWARE
GENERATION

INTRODUCTION

- New series of stepping motor drives with EtherCAT interface, now available with a 3rd generation firmware release.
- Drives optimized for coupling with SANYO DENKI stepping motors, fitted with encoder, but also able to manage third part 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.
- 5 + 5 I/Os (ET 94) and 2 + 3 I/Os (ET S4).
- UL/ CSA.

Please refer to download.rta.it for technical specifications



STO FUNCTION FEATURES

- Safe Torque Off (STO) function - SIL3
- Error Detection Monitor

SIL3
SAFE TORQUE
OFF (STO)

Series	Model	V _{DC} range (Volt)	I nom. (Amp)	Digital In/Out	STO In	Dimensions (mm)
CSD ET	S4 STO	24 to 48	4.0	2/3	2	130x106x32
CSD ET	94	24 to 48	4.0	5/5	/	130x106x32

TECHNICAL FEATURES

- Range of operating voltage 24-48 VDC.
- 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.
- Warranty: 24 months.

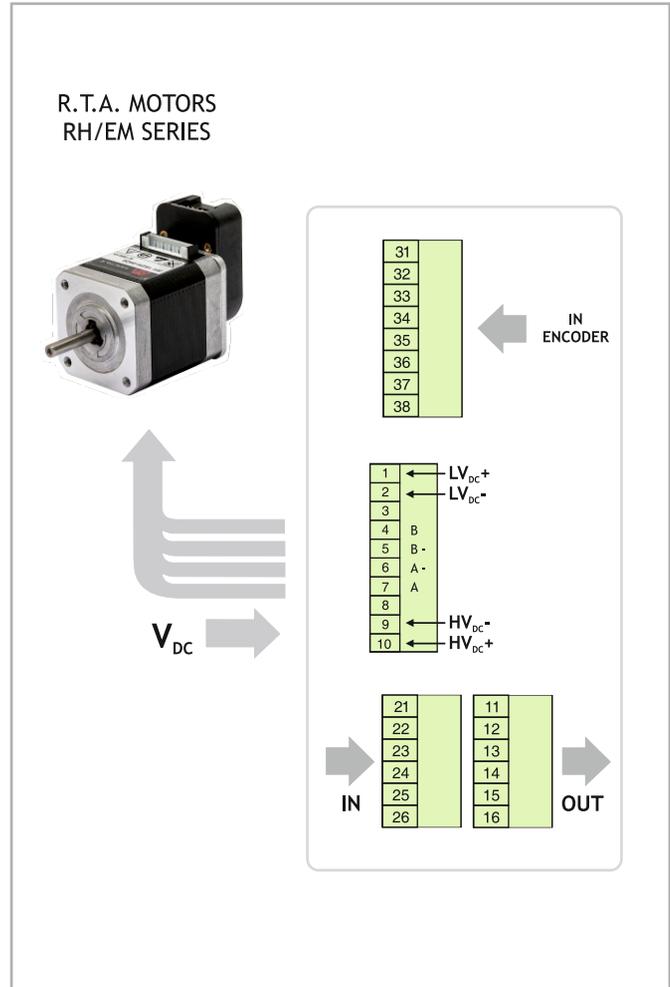
EtherCAT®



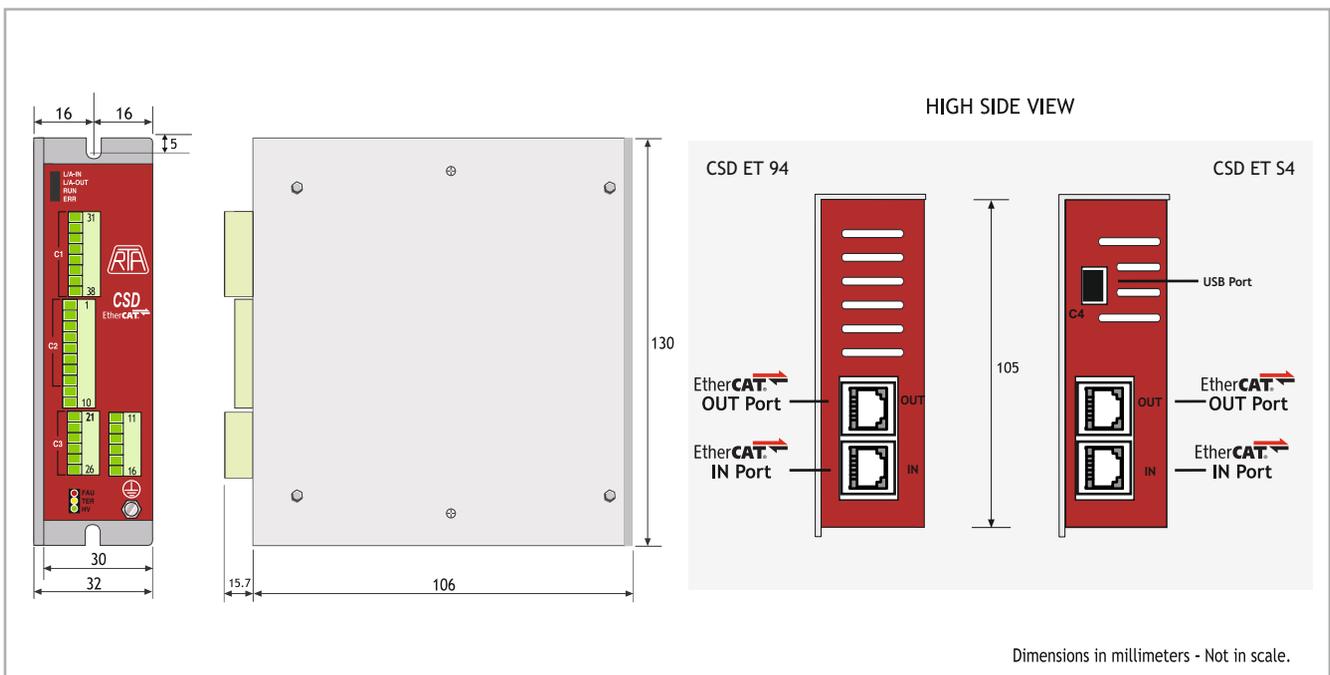
SCAN THE QR CODE TO
WATCH A VIDEO ON THE
AUTO-SYNC FUNCTION



POWER AND LOGIC CONNECTIONS



MECHANICAL DIMENSIONS



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