

CSD ET Series Drives

EtherCAT®

INTRODUCTION

- New series of stepping motor drives with EtherCAT interface, now available with a 3rd generation firmware release and extended current and voltage range.
- Drives optimized for coupling with SANYO DENKI stepping motors, fitted with encoder, but also able to manage third party motors.
- Also available with other interfaces:

EtherNet/IP™  Modbus TCP/IP

MAIN FEATURES

- Modes of operation: Profile Position, Profile Velocity, Homing, CSP and CSV.
- Wide range of motor phase current setting and motor current overboost:
 - 120% for CSD ET 94/S4 models
 - 140% for CSD ET S8 models.
- Control of different motors sizes:
 - Up to Nema 24 for CSD ET 94/S4 models
 - Up to Nema 34 for CSD ET S8 models. **NEW!**
- 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/S8).
- UL/ CSA.

CURRENT OVERBOOST
+140%



Please refer to download.rta.it for technical specifications

RIA® US

AUTO SYNC
FUNCTION

STO FUNCTION FEATURES

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

SIL3
SAFE TORQUE OFF (STO)

Series	Model	V _{DC} range	I nom.	I boost	Digital In/Out	STO	Dimensions
		(Volt)	(Amp)	(Amp)			(mm)
CSD ET	S8 STO	24 to 85	6.0	8.4	2/3	Yes	130x106x32
CSD ET	S4 STO	24 to 48	4.0	4.8	2/3	Yes	130x106x32
CSD ET	94	24 to 48	4.0	4.8	5/5	No	130x106x32

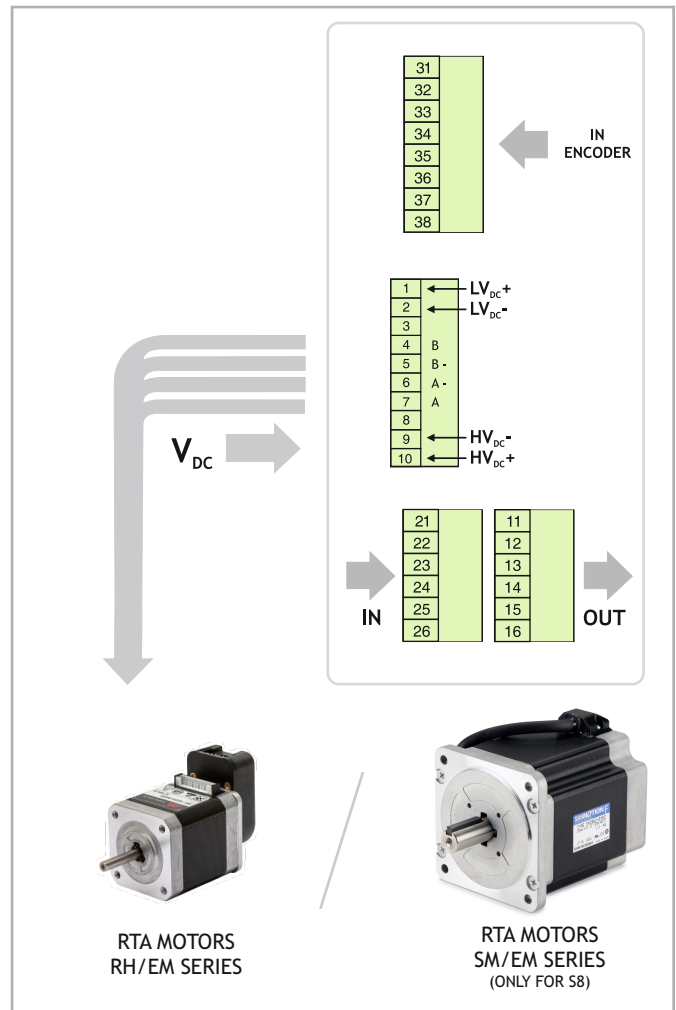
CURRENT OVERBOOST
+140%

TECHNICAL FEATURES

- Range of operating voltage:
 - 24-48 VDC for CSD ET 94/S4 models
 - 24-85 VDC for CSD ET S8 models.
- 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.
- Optoisolated auxiliary and programmable inputs and outputs.
- Warranty: 24 months.
- A kit for mounting on a DIN rail is available as optional. Code: KNDCGD

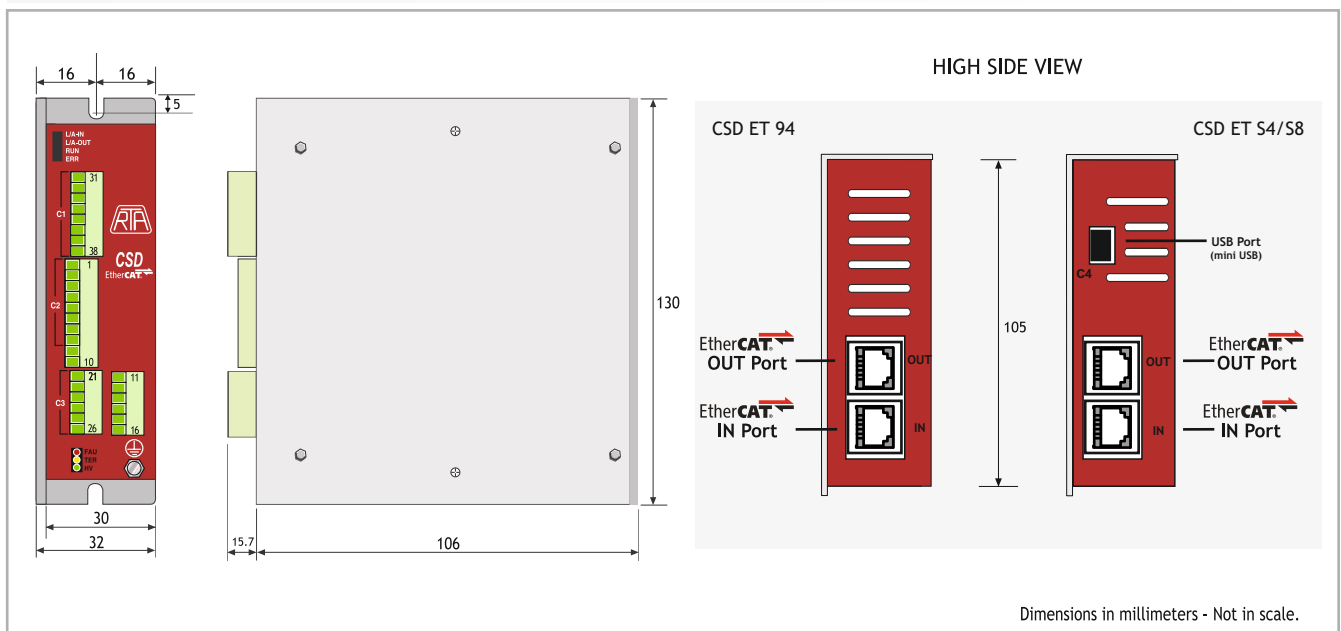


POWER AND LOGIC CONNECTIONS



EtherCAT®

MECHANICAL DIMENSIONS



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