

CSD MT Series Drives



INTRODUCTION

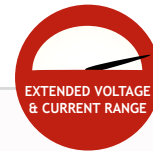
- New series of stepping motor drives with Modbus TCP/IP interface, now available with a 3rd generation firmware release and extended current and voltage range.
- Drives optimized for coupling with SANYO DENKI stepping motors, fitted with encoder, but also able to manage third party motors.
- Also available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

EtherNet/IP **EtherCAT**

MAIN FEATURES

- Modes of operation: Profile Position, Profile Velocity and Homing.
- Wide range of motor phase current setting and motor current overboost:
 - 120% for CSD MT 94/S4 models
 - 140% for CSD MT S8 models.
- Control of different motors sizes:
 - Up to Nema 24 for CSD MT 94/S4 models
 - Up to Nema 34 for CSD MT 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 (MT 94) and 2 + 3 I/Os (MT S4/S8).
- UL/ CSA.

CURRENT OVERBOOST
+140%



Please refer to download.rta.it for technical specifications



STO FUNCTION FEATURES

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



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

CURRENT OVERBOOST
+140%

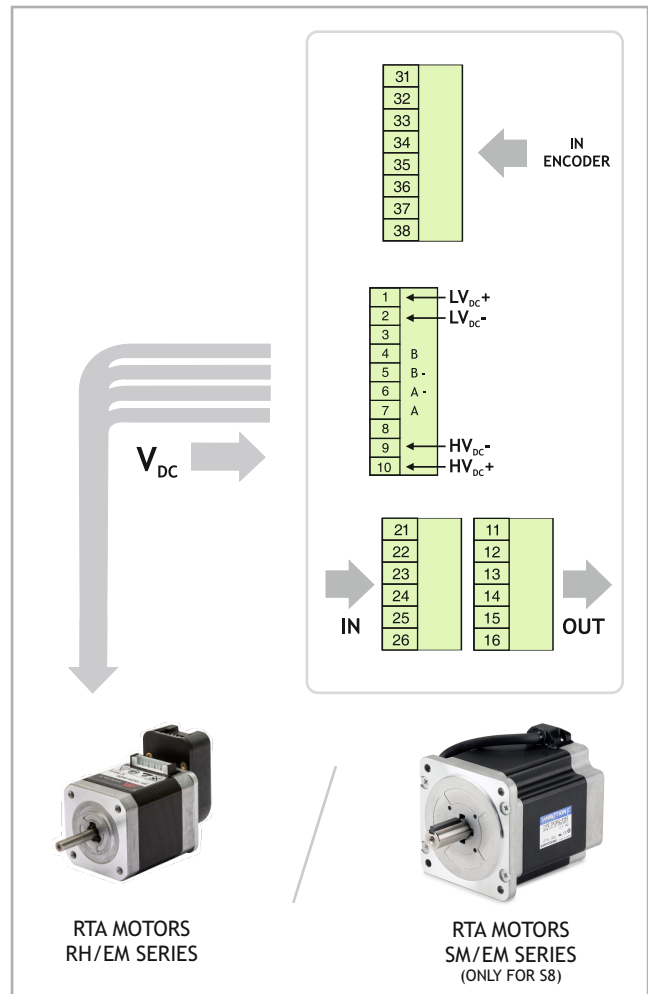
TECHNICAL FEATURES

- Range of operating voltage:
 - 24-48 VDC for CSD MT 94/S4 models
 - 24-85 VDC for CSD MT 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.
- Optoinsulated auxiliary and programmable inputs and outputs.
- Warranty: 24 months.

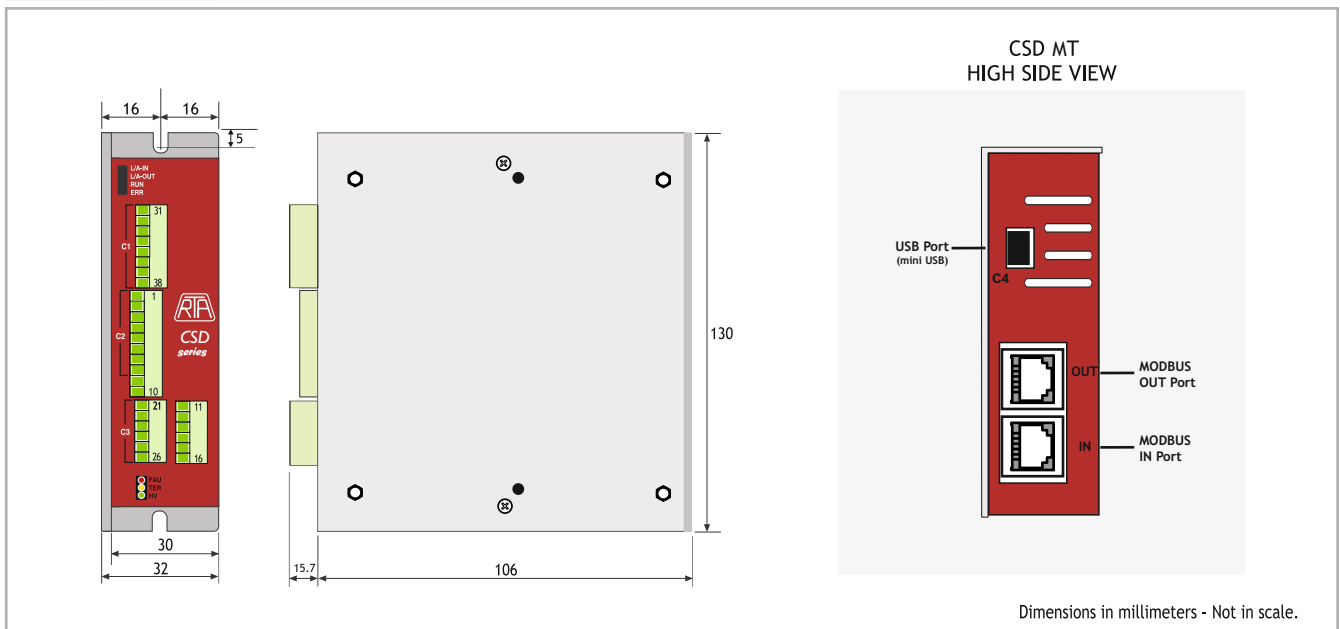


- A kit for mounting on a DIN rail is available as optional. Code: KNDCGD

POWER AND LOGIC CONNECTIONS



MECHANICAL DIMENSIONS



R.T.A. s.r.l.
Via E. Mattei - Frazz. Divisa
27020 Marcignago (PV) (Italy)
T +39.0382.929.855
F +39.0382.929.150
www.rta.it

R.T.A. Deutschland GmbH
Bublitzter Strasse 34, 40599
Duesseldorf (Germany)
T +49.211.749.668.60
F +49.211.749.668.66
www.rta-deutschland.de

R.T.A. IBERICA
C/Generalitat 22, Local 1
08850 Gava - Barcelona (Spain)
T +34 936.388.805
F +34 936.334.595
www.rta-iberica.es

R.T.A. INDIA Pvt
Teerth Business Center 3rd Floor, Unit No. 7,
Block EL-15, MIDC Bhosari Pimpri-Chinchwad,
Pune 411026 (India)
Tel. +91 9422507445
www.rta-india.in