

CSD MS8 & CSD MS8.P

Series Drives

INTRODUCTION

- CSD MS8 is a new model of RTA flagship stepping motor drive with STEP&DIR and Modbus RTU RS-485 interface for application in which low/medium power is required.
- Embedded Auto-Sync and Auto-Feed functions with encoder, featuring a closed loop positioning and motor performance optimization.

AUTO-FEED

AUTO-FEED is a closed loop function with:

- Very simple tuning
- Lower power consumption and heating



MODBUS RTU MAIN FUNCTIONS

- Homing, Position and Velocity mode
- Registers for diagnostics



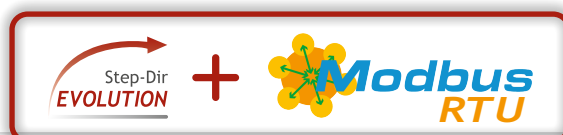
CSD MS8.P programmable version

- For simple, single-axis applications
- Possibility to load and execute a single-task program



HIGHLIGHTS

- 3 Current Control modes available: Open Loop, Auto-Sync and Auto-Feed.
- Configuration settings, diagnostics and setup via RTA STUDIO for Windows®.
- INPUT and OUTPUT configurable.
- Extended interfaces: STEP&DIR and Modbus RTU.
- Zero index, Proximity Switch and Hard Stop searching function.
- Replied encoder signal output.



STO FUNCTION FEATURES

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

SIL3
SAFE TORQUE
OFF (STO)

Please refer to download.rta.it for technical specifications

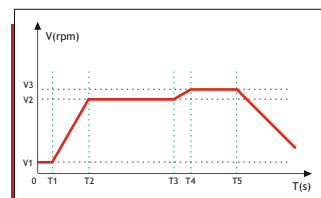
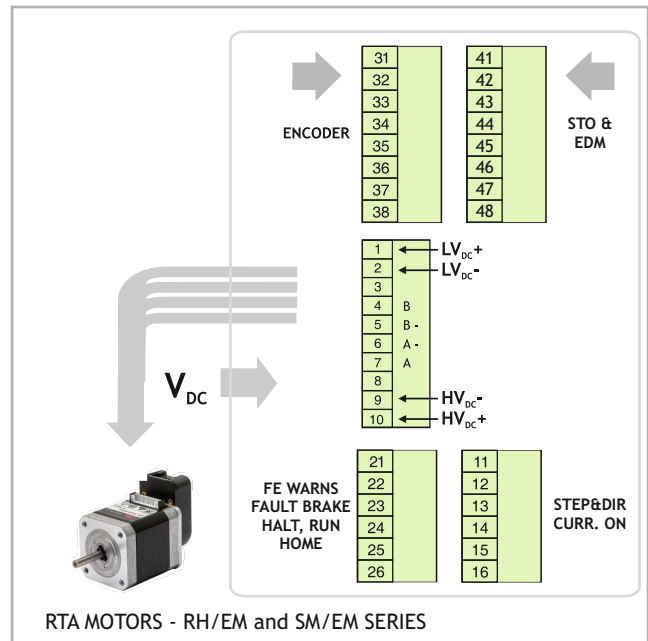
Series	Model	V _{AC} range	I nom.	I boost	Dimensions
		(Volt)	(Amp)	(Amp)	(mm)
CSD	MS8 / MS8.P	24 to 85	6.0	8.4	130x108x34

TECHNICAL FEATURES

- Range of operating nominal voltage: 24 - 85 Vdc.
- Up to 8.4 Amps motor current setting.
- RS-485 baud rate up to 256000.
- Microstepping: up to 12.800 steps/revolutions.
- Various encoder resolution available.
- Available current reduction at motor standstill.
- Easy wiring with plug-in connectors.
Maximum compactness.
- Optoinsulated digital I/O to ensure best EM noise immunity.
- Protections:
 - Protection against under-voltage and over-voltage
 - Protection against a short-circuit at motor outputs
 - Overtemperature protection.
 - Open motor/encoder phase.
- Available in plastic boxed version with plug-in connectors.
- Electronic damping facility for further acoustic noise and mechanic vibrations reduction.
- A kit for mounting on a DIN rail is available as optional.
Code: KNDCGD
- Warranty: 24 months.

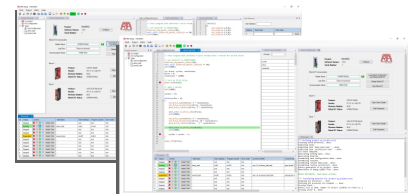


POWER AND LOGIC CONNECTIONS

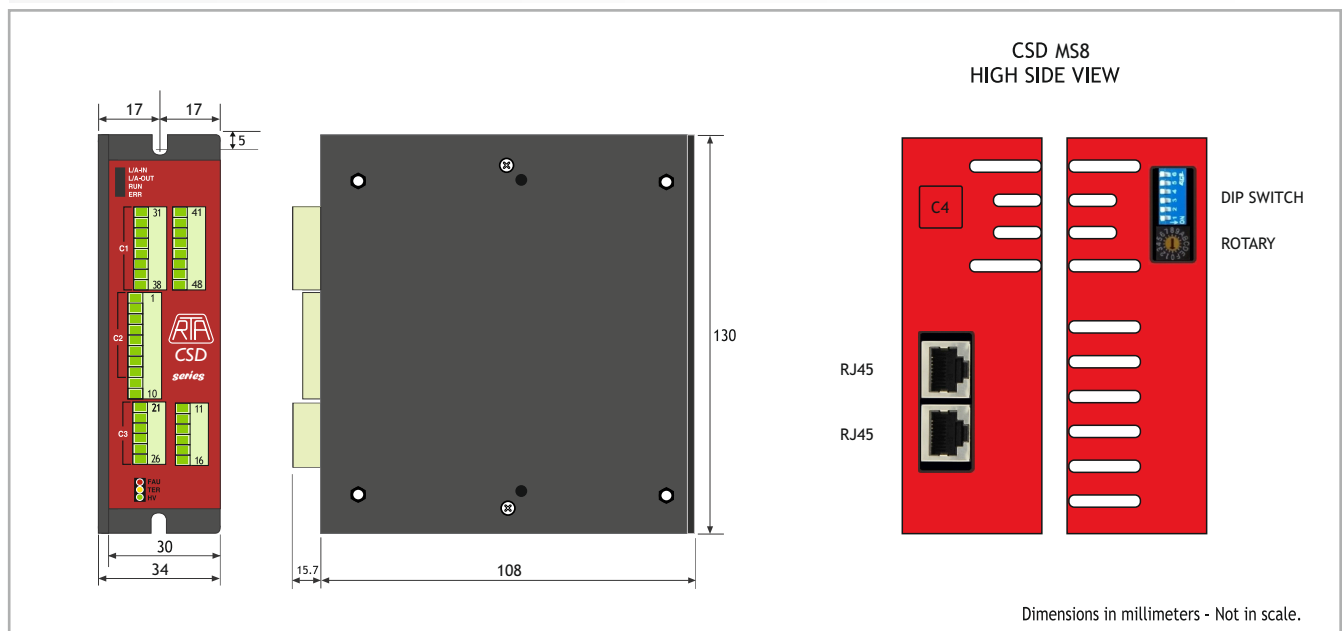


.P drives Motion Profile example

Programmable through
RTA Studio IDE



MECHANICAL DIMENSIONS



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