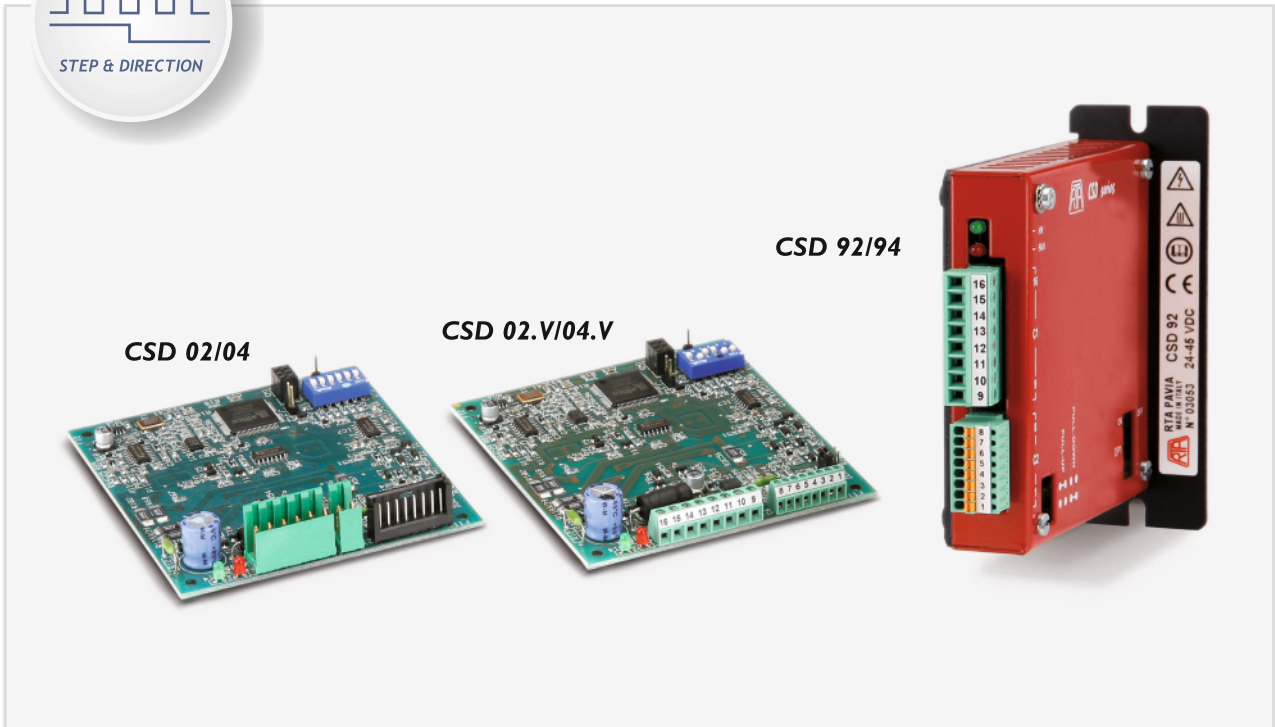


CSD Series Drives



INTRODUCTION

- Series of ministep bipolar chopper drives, suitable for driving medium-low power two-phase stepping motors, with four, six or eight terminals.
- Highly compact, easy to use and cost effective solution. This system is designed for easy mounting inside a metallic electrical cabinet.
- Target: low power applications without special configuration requirement, but needing high precision, smoothness of movement and low acoustic noise.

HIGHLIGHTS

- Microstepping function up to 3.200 step/rev.
- Electronic damping facility for further acoustic noise and mechanic vibrations reduction at low and medium speed.
- Separated connectors for logic signals and power connections.
- Pull-up and pull-down input signals ease interfacing with the most commonly used control systems.

| Series | Model | V _{DC} range (Volt) | I _{NP} min. (Peak value) (Amp) | I _{NP} max. (Peak value) (Amp) | Dimensions (mm) |
|--------|------------|---------------------------------|---|---|--------------------|
| CSD | 02 - 02.V* | 24 to 48 | 0.7 | 2.4 | 92x85x22 |
| CSD | 04 - 04.V* | 24 to 48 | 2.6 | 4.4 | 92x85x23 |
| CSD | 92 | 24 to 48 | 0.7 | 2.4 | 99x90x21 |
| CSD | 94 | 24 to 48 | 2.6 | 4.4 | 99x90x21 |

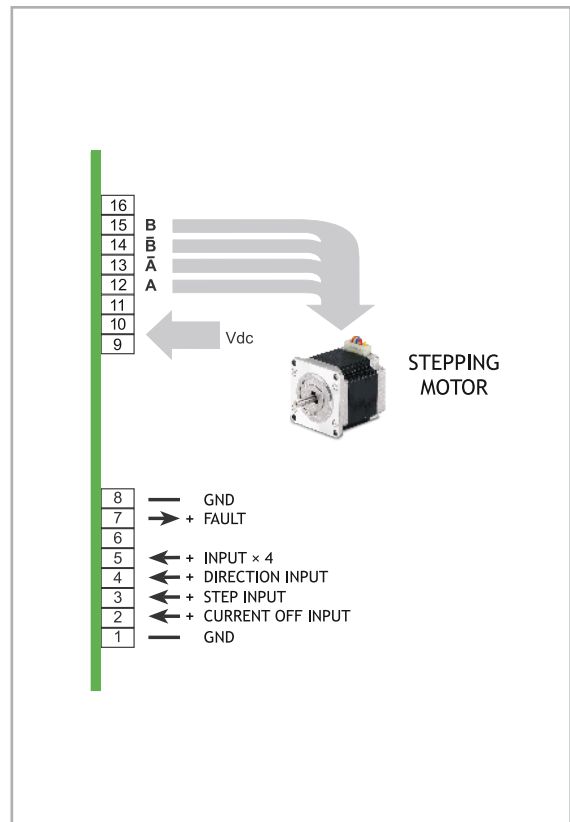
* CSD 02.V and CSD 04.V versions are equipped with screw-type connectors.

TECHNICAL FEATURES

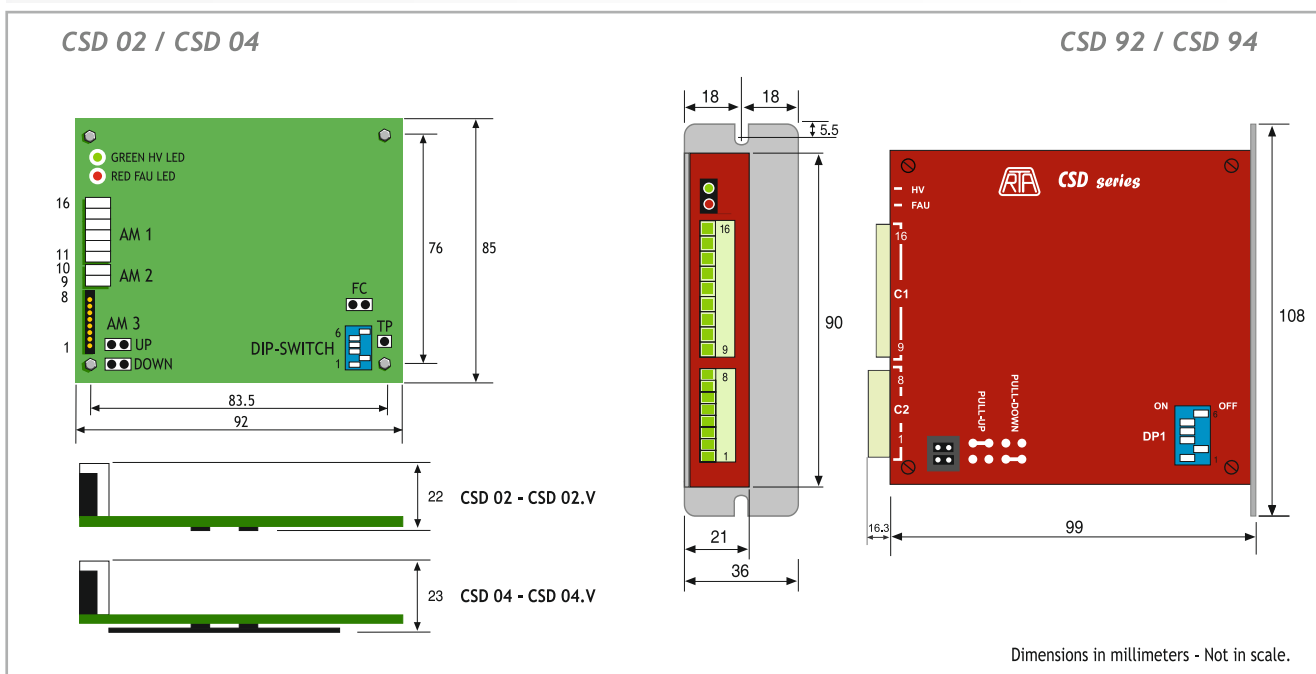
- Range of operating voltages: 24-48 V_{DC}.
- Range of current: 0.7-4.4 Amp. Setting up to eight possible values by means of dip-switches.
- Microstepping: 400, 800, 1.600 and 3.200 steps /revolution. Setting by means of dip-switches.
- Automatic current reduction at motor standstill.
- Protections:
 - Protection against under-voltage and over-voltage.
 - Protection against a short-circuit at motor outputs.
 - Overtemperature protection with thermal sensor.
- Possibility to set Pull-UP or Pull-Down inputs.
- Possibility to switch off motor current with an external logic signal.
- High efficiency CHOPPER with MOSFET final stage output.
- Electronic damping facility for further acoustic noise and mechanic vibrations reduction at low and medium speed.
- Version: boxed/open frame, equipped with crimp-type or screw-type connectors.
- Maximum compactness.
- Warranty: 24 months.



POWER AND LOGIC CONNECTIONS



MECHANICAL DIMENSIONS



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