

RVS-DN

A Heavy Duty, Low Voltage Soft Starter 8-3,000 A. 220-1, 200 V

The *RVS-DN* is a heavy duty, advanced and reliable Soft Starter designed to operate under the most severe conditions and to start the most demanding applications; such as those that might be in Marine and Mining installations.

Advanced features such as pump control, slow speed, electronic reverse and enhanced motor protection make it one of the best and most popular soft starters in the industry.

Features

- > Robust construction
- > Highly advanced starting & stopping characteristics
- > User friendly set up and operation
- > Line or Inside delta connection models up to 690V
- > Ambient operating temperature: up to 60°C
- > Motor insulation tester
- > Communication: Modbus, Profibus, DeviceNet
- > Thermistor input
- > Analog output
- > 45-65Hz Auto-tracking frequency range
- > Can be operated without bypass contactor at 50°C up to 820A
- > Designed to meet Marine Industry standards up to 3000A

Soft Start and Soft Stop Functions

- > Soft start and soft stop
- > Soft, stepless acceleration & deceleration
- > Current limiting
- > Torque & current control - for optimized acceleration and deceleration
- > Pump control program
- > Dual adjustment - two start/stop characteristics
- > Slow speed with electronic reverse
- > Pulse start



Comprehensive Protection Package

Solcon Industries Ltd. is a dynamic power-electronics company that has been at the forefront of design, development and manufacturing of industrial electronic motor starting and control systems for over 40 years. We utilize advanced technology with leading edge designs based on continuous field research, testing and development. Solcon offers a complete range of Soft Starters, including both Low Voltage and Medium Voltage units, for a range of applications.



Models | 8-3000A, 220-690V

| Model | Rated Current (A) | Motor kW @400V | Unit Dimensions (mm) | | | Weight (kg) |
|-------|-------------------|----------------|----------------------|-----|-----|-------------|
| | | | H | W | D | |
| A | 8 | 4 | 310 | 153 | 170 | 4.5 |
| | 17 | 7.5 | | | | 6.0 |
| | 31 | 15 | | | | 7.5 |
| | 44 | 22 | | | | 7.5 |
| | 58 | 30 | | | | 7.5 |
| B | 72 | 37 | 385 | 274 | 238 | 14.5 |
| | 85 | 45 | | | | 14.5 |
| | 105 | 55 | | | | 14.5 |
| C | 145 | 75 | 455 | 380 | 292 | 32 |
| | 170 | 90 | | | | 32 |
| | 210* | 110 | | | | 32 |
| D | 310* | 160 | 455 | 380 | 292 | 39 |
| | 390* | 200 | | | | 48 |
| | 460* | 250 | | | | 65 |
| | 580 | 315 | | | | 83.5 |
| E | 820 | 450 | 1,100 | 723 | 370 | 170 |
| | 950 | 560 | | | | 170 |
| | 1,100 | 630 | | | | 170 |
| F | 1,400 | 800 | 1,300 | 750 | 392 | 240 |
| | 1,800 | 950 | | | | 240 |
| G | 2,150 | 1,250 | 1,300 | 900 | 410 | 350 |
| | 2,400 | 1,400 | | | | 350 |
| | 2,700 | 1,575 | | | | 350 |
| | 3,000 | 1,750 | | | | |

* Dimensions differ with Marine approvals.



Models | 105-580A, 1,000-1,200V

| Model | Rated Current (A) | Unit Dimensions (mm) | | | Weight (kg) |
|-------|-------------------|----------------------|-----|-----|-------------|
| | | H | W | D | |
| H | 105 | 400 | 325 | 300 | 20 |
| I | 170 | 500 | 592 | 345 | 55 |
| | 210 | | | | 60 |
| | 310 | | | | 60 |
| | 390 | | | | 60 |
| | 460 | | | | 60 |
| J | 580 | 650 | 650 | 400 | 85 |

Solbrake DC Injection Brake

Solcon's soft starters can be paired with the Solbrake; an electronic brake that provides fast, smooth, frictionless braking of standard motors by injecting controlled DC current into the motor windings after the line contactor has opened. This DC current induces a stationary magnetic field which exerts a braking torque on the rotor.

Meeting your needs across industries



For More Information

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