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## RVS-DX

### Digital Soft Starter with a built-in bypass

Full Featured, Microprocessor-Based,  
for Motors 8-1100A, 220-600V

This full featured line is Solcon's fourth generation of digital soft starters. The RVS-DX incorporates enhanced start-stop characteristics providing the best solutions for most of the applications. The comprehensive motor protection package guarantees long term reliability while the bypass design ensures excellent performance

#### Advanced Starting and Stopping Characteristics

- Reduced inrush current & mechanical shock
- Soft, smooth stepless acceleration & deceleration
- Current Limit
- Pump Control Program
- Torque and Current Control characteristics
- Unique features such as: Pulse Start, Dual Adjustment, Slow Speed with Electronic Reversing, etc.

#### Sophisticated Motor Protection

- Too many starts & start inhibit.
- Long start time (Stall protection)
- Electronic shear-pin (Jam) with adjustable curves and delay
- Electronic overload with selectable curves
- Under current
- Phase loss
- Phase sequence and Under/Over frequency
- Under/Over and No voltage
- Load loss (motor not connected)
- External fault
- Shorted SCR
- Starter over temperature protection
- Motor insulation test (option)
- Motor thermistor (option)
- Built-in Bypass while all protective functions remain active

#### Displays

- LCD - Two lines of 16 characters each
- Multilingual - English, German, French & Spanish
- Four LEDs - On, Run, Ramp Up/Down & Fault
- Statistical Data - Start, Stop & Fault parameters
- Full script parameter settings

#### Control

- Opto-Isolated Inputs & outputs, two output relays.
- Local and remote reset.
- Optional Communication RS 485 with MODBUS RTU or MODBUS Plus protocols
- Easily operated - via keypad, allowing precise settings, LED and interactive LCD (4 languages), Statistical data.
- Hardware and software allows starting from diesel-generator

#### Construction

- Normal duty rated design (ambient 40°C).
- Compact, light weight, aluminum, small foot-print and book type design.



### Typical Applications

- Pumps (Water utilities, Industry)
- Compressors
- Conveyors & monorails
- Mixers & Agitators
- Fans & Centrifuges
- Hydraulic pumps
- Starting from weak Mains supply



The RVS-DX incorporates an **Intelligent Pump Control Program**:

