



# Digital Medium Voltage Softstarter

Up to 11 kV  
Up to 15.000 kW



# abc enser Digital Medium Voltage Softstarter

ABC ENSER digital micro-processor controlled Medium Voltage Soft Starter for standart asynchronous motors. **Proven, long lasting, best price performance** solution to reduce electrical and mechanical shocks problems due to in-rush current.

## FEATURES

- Soft Start and Soft stop
- Line & By-pass Vacuum Contactor
- Heavy duty design, at 50°C ambient temperature
- Comprehensive Motor Protection
- IP 32 standard, IP 54 optional
- Function testing with a small low voltage motor
- Complete isolation between MV and LV compartments
- Each starter is tested for partial discharge (Korona)
- 45 Hz – 65 Hz auto-tracking frequency
- Remote Start, Stop...
- Selectable Current Limit
- Selectable Starting Voltage
- Statistical Datas (current, starting time, fault...)
- Selectable Different Pump Control Characteristics

## PROTECTIONS

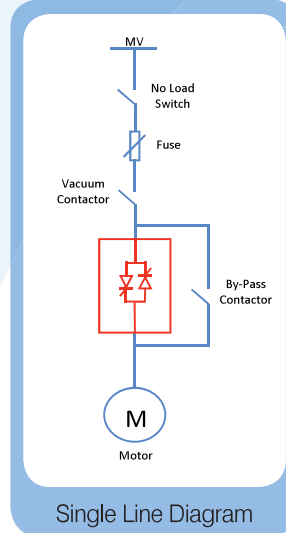
- Too many starts
- Long start time
- Motor overload
- Under current
- Unbalanced current
- Ground fault current
- Phase sequence, Phase loss
- Under/over Frequency, Voltage
- External faults inputs
- Wrong Connection
- Starter over temperature
- Power on without start signal

## CONTROLS

- Multi-function programmable I/O's
- Dual adjust
- Temperature input (option)
- Analogue output 0/4 – 20 mA, 0 – 10 V DC (option)
- Modbus RTU / TCP, EtherCAT, Profibus DP (optional)
- Touchscreen Panel (optional)

## APPLICATIONS

- Pump,
- Fan,
- Blower
- Conveyor Belt



Single Line Diagram



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