(FCMA) FLUX CONTROLLED MAGNETIC AMPLIFIER
REACTOR TYPE HARMONIC FREE H.T.SOFT STARTERS

Manufacturing Range
For Motor Rating between 100KW – 25MW, Supply Voltage-2.2 KV to 15KV

INDUCTION & SYNCHRONOUS MOTORS STARTING SOLUTIONS

FCMA SOFT STARTERS FOR MOTORS DRIVING PUMP

Irrigation Projects:

SWT Projects

Water Supply Schemes

FCMA SOFT STARTERS FOR MOTORS DRIVING CRITICAL PUMP, COMPRESSORS

Open Cast, Pit Mines

Material Handling

Aluminum Smelter

Glass Industries

FCMA SOFT STARTERS FOR MOTORS DRIVING COMPRESSORS, MILLS

Steel Plants

Textile Industries

Oil Refineries

Nuclear Plants

Power Plants

Air Conditioning

Steel Plants

Irrigation Projects:

Water Supply Schemes

FCMA SOFT STARTERS FOR MOTORS DRIVING F/M PUMP, BOILER FEED PUMP, CHILLERS

Oil Refineries

Nuclear Plants

Power Plants

Air Conditioning

Oil Refineries

Nuclear Plants

Power Plants

Air Conditioning

INNOVATIVE ELECTROSOFT (I) PVT. LTD.

Revolution through smart solutions

Factory & Regd. Office: Gat No. 679/2/2, At Alandi Road, Kuruli, Chakan, Tal Khed, Pune - 410 501 (INDIA)
Corporate Office: Summit House, 3rd Floor, Plot No. 64/21, D-II Block MIDC, Chinchwad, Pune - 411 019
Website: www.ielectrosoft.com, marketing.electrosoft@gmail.com
Starter is connected in series with the motor either on the line side or neutral side and thus controls the starting current. Medium and high voltage FCMA Soft Starters are designed and manufactured and tested in line with relevant clauses of IEC/IS standards.

Neutral side connection
Low fault level on neutral side, Highly economical, easy retrofitting on existing installations, Can be located near the motor.

Advantages
Customized starting on limited power source, Smooth starting and acceleration. Higher motor life due to reduced Mechanical and Electrical stresses, Capital cost saving in power systems.

Salient Features
Unique FCMA technology, Low starting current, Amplitude control, Sinusoidal Waveform, Rugged magnetic design No harmonics, No maintenance, Suitable for extreme weather conditions, Built in bypass for full voltage, Run Indoor and outdoor models Line or neutral models available, Optional soft stop feature.

Acceleration Curves

<table>
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<tr>
<th>Motor current DOL</th>
<th>Motor current Soft start</th>
<th>Motor torque DOL</th>
<th>Motor Torque Soft Start</th>
<th>Load Torque</th>
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