



SOLBRAKE DC INJECTION BRAKE 10 - 820A, 208 - 690V

The Solbrake Electronic brake provides fast, smooth, frictionless braking of standard three phase AC 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. The Solbrake is an ideal replacement for old electro-mechanical braking systems including reversing or regenerative braking.

Applications

- > Machine tools
- > Circular saws
- > Stopping high inertia loads
- > Safety brakes
- > Large fly wheel applications

Settings

- > Braking torque - Determines the DC current level injected into the motor windings
- > Two operation modes:
 - Auto mode: DC Injection automatically ends when the motor stops
 - Manual mode: DC Injection ends after a pre-set braking time. This mode can be used to briefly "hold" the load at stand still

Advanced Features

- > Reduces stopping time of high inertia loads
- > Adjustable braking time
- > Auto stop
 - DC Injection stops when the motor stops
- > DIN Rail mounting (Rated current 10A)
- > Easy to install and simple to operate
- > Increases production rate in machine tools and higher inertia loads
- > Increases safety of hazardous machines
- > Soft, smooth stopping, preventing wear and tear of mechanical parts
- > Adjustable braking torque, matching load size and required stop time
- > Auto stop, reducing motor heating
- > Maintenance free, reliable operation

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.

