



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.



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MODELS | 10 - 820A, 208-690V

The Solbrake should be selected according to the motor's nominal current and starting conditions. For severe duty applications it is recommended that you select the next higher amperage rated unit.



Model	Rated Current (A)	Motor kW @400V	Unit Dimensions (mm)			Weight (kg)
			H	W	D	
A	10	5	75	45	105	0.7
	17	7.5				
B	31	15	190	65	114	1.4
	58	30				
C	105	55	280	154	160	5.2
	210	90				5.7
D	310	110	384	224	222	12
	390	160				
E	460	220	384	224	222	13.2
	820	470				

How to Order

Example:
Solbrake - **31A** - **400V** - **8**

Rated Current Mains Voltage Options

230V, 400V, 440V
480V, 600V, 690V

8 - Conformal coating
E - 30 sec braking time
0 - Standard

Meeting your needs across industries

WATER

OIL & GAS

INDUSTRY

MINING

MARINE

HVAC

For More Information

www.solcon.com | contact@solcon.com

