



## 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 flywheel applications

### 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 high 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

### Settings

- Braking torque - Determines the DC current level injected into the motor windings
- Two operation modes:
  - Auto mode: DC Injection automatically ends when 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



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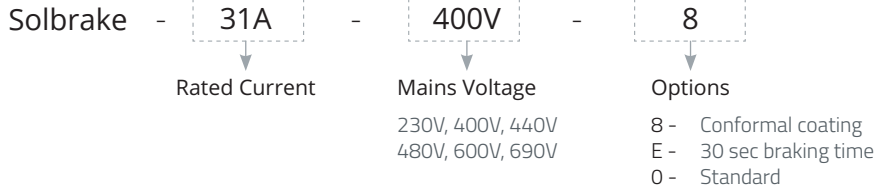
## Models | 10 - 820A, 208-690V

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         |
| B     | 17                | 7.5            | 190                  | 65  | 114 | 1.4         |
|       | 31                | 15             |                      |     |     |             |
| C     | 58                | 30             | 280                  | 154 | 160 | 5.2         |
|       | 105               | 55             |                      |     |     | 5.7         |
|       | 210               | 90             |                      |     |     |             |
| D     | 310               | 110            | 384                  | 224 | 222 | 12          |
|       | 390               | 160            |                      |     |     |             |
|       | 460               | 220            |                      |     |     |             |
| E     | 820               | 470            | 384                  | 224 | 222 | 13.2        |

## How to Order

Example:



## Meeting your needs across industries



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## For More Information

[www.solcon.com](http://www.solcon.com)

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