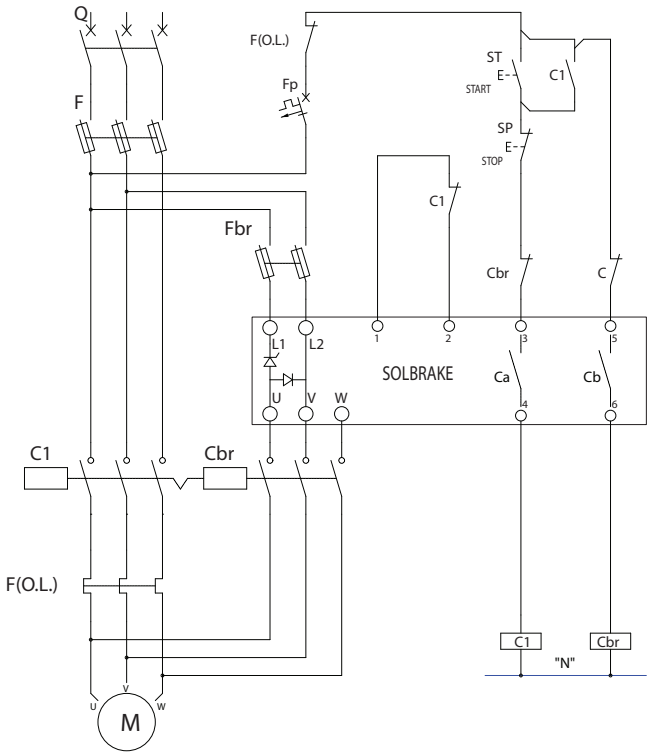
SOLBRAKE

DC INJECTION BRAKE

Specifications

- Operational Current : 10-820A
- Main Voltage : 208V - 690V
- Supply Voltage : 230-600VAC +10%/-15%
- Frequency : 50 /60Hz
- Load ; Three phase, Squirrel Cage
- Duty Cycle : 10% max
- Altitude : 1000m above sea level
- Operating Temperatures: -10°C to 50°C
- Storage : -20°C - 70°C
- Relative Humidity : 93% - non

Wiring Example



*For illustration purposes only

The SOLBRAKE Solid-State Motor Brake provides fast, smooth, and frictionless braking for three-phase squirrel cage motors by injecting a controlled DC current into the motor windings after the mains contactor opens. This generates a stationary magnetic field, effectively braking the rotor without mechanical wear.

With adjustable braking torque and braking time, the SOLBRAKE ensures precise control, allowing the stopping time to match the acceleration time of a Direct-On-Line (DOL) start.

An automatic sensing system deactivates the brake as soon as the motor stops, minimizing heat buildup and enhancing motor efficiency.

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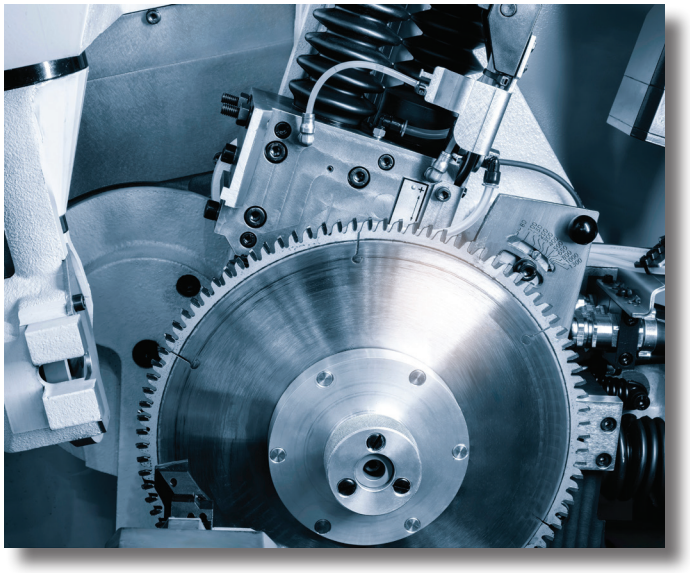
Advanced Features

- Reduces stopping time of high inertia loads - increases production rate in machine tools and safety of hazardous machines
- Adjustable braking time
- Auto stop - DC Injection stops when the motor stops
- DIN Rail mounting (Rated current 10A)
- 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



Ordering Information

Solbrake	1	2	3	4
	Brake FLC	Mains Voltage	Options	Front Panel
Brake FLC				
Specify	Description			
	10, 17, 31, 58, 105, 210, 310, 390, 460, 820			
Mains Voltage				
Specify	Description			
230	230VAC			
400	400VAC			
440	440VAC			
480	480VAC			
600	600VAC			
690	690 Vac +10% -15% (Available in models 105A and up)			
Options				
Specify	Description			
0	No options			
E	Consult Factory			
8	Conformal Coating (Harsh environment treatment)			
Front Panel - Standard				

Disclaimer

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(Version: 3.1,)