

SOLBRAKE

DC INJECTION BRAKE

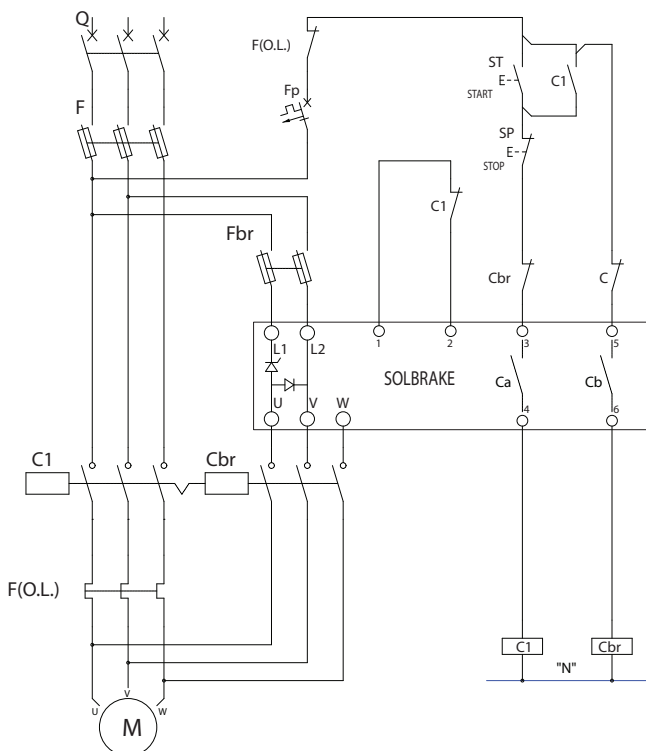
The SOLBRAKE - Solid State Motor Brake ensures fast, smooth, frictionless braking for three-phase squirrel cage motors by injecting controlled DC current into the motor windings after the mains contactor opens. This creates a stationary magnetic field that brakes the rotor.

Stopping time can match the time it takes to reach full speed with Direct-On Line starting. Adjustable Braking Torque and Braking Time allow precise matching to the load.

An automatic sensing system turns the brake off when the motor stops, minimizing motor heating.



Wiring Example



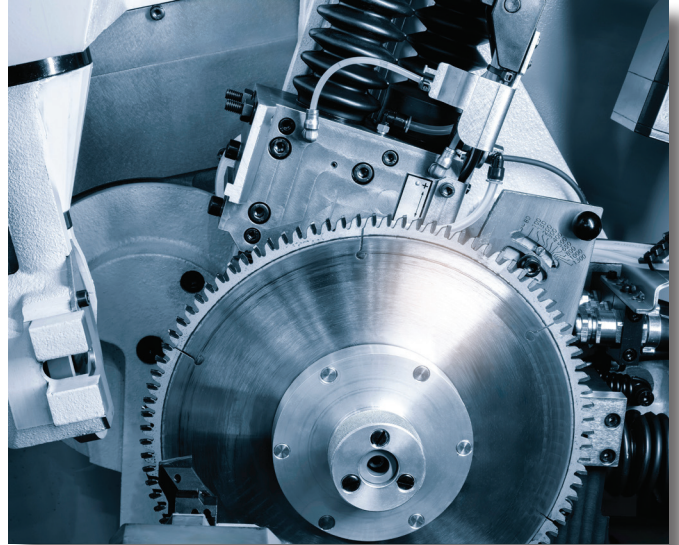
Specifications

- » Operational Current : 8-820A
- » Main Voltage : 208V - 690V
- » Supply Voltage : 220-600VAC +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



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			
Mains Voltage				
Specify	Description			
230	230VAC			
400	400VAC			
440	440VAC			
480	480VAC			
600	600VAC			
Options				
Specify	Description			
0	No options			
E	Consult Factory			
8	Conformal Coating (Harsh environment treatment)			
Front Panel - Standard				

