

ISA-SL

Low voltage soft starter 17–430 A, 208–690 V



Technical Datasheet

Wide range of advanced features

- State of the art communication options
- Multi-language operating system
- Real-time, online 99 event log and trip log(including currents, voltages)
- Optimized for high efficiency motors (IE3)
- 2-phase mode for on-site operation with one defective phase
- Plug and play fan option for increased capacity (sizes A, B, C)
- Basic, professional and expert set-up menus
- User defined metering and monitoring of 3-phase voltage, 3-phase current and power factor
- Auto reset for selected faults
- Three thermistor inputs available
- Frequency auto-tracking 45–65 Hz
- Inline and inside delta connection
- Inside delta wrong connection alarm
- Universal control voltage 110–220 VAC/DC (sizes A, B, C)
- Three current transformers

Comprehensive motor protection package

- Under voltage
- Phase sequence
- Shear pin current (torque limitation)
- Under current
- Overload classes
- Current imbalance
- Ground fault
- Excessive number of starts
- Excessive starting time
- Soft starter over temperature
- Programmable input for external fault
- Phase loss
- Motor insulation tester

Complete soft start and soft stop functions

- Acceleration control
- Current limit start
- Four data sets
- Pump curves
- Torque control
- Soft stop
- Kick start
- Restart delay

FRAME SIZES

17–430 A, 208–690 V, 2-phase or 3-phase control with internal bypass

Model	Rated Current (A)	Motor kW @400V	Unit Dimensions (mm)			Weight (kg)	Internal Bypass	2- or 3-Phase Control
			H	W	D			
A	17	7,5	245	122	147	3,2	+	+
	31	15						
	44	22						
B	58	30	275	132	208	5,2	+	+
	72	37						
	85	45						
C	105	55	388	175	234	10,9	+	+
	145	75						
	170	90						
D	230	132	555	365	275	37	+	+
	310	160						
	350	200						
	430	220						

APPLICATIONS

- Pumps (water utilities and industry)
- Compressors
- Conveyors & monorails
- Mixers & agitators
- Fans & centrifuges
- Hydraulic pumps
- Starting from weak power sources



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