



ISA-SL

LOW VOLTAGE SOFT STARTERS
17–1100 A, 208–690 V

IGEL  **ELECTRIC**

Your Total Soft Starter Solution - Easy to Commission, Simple to Operate

ADVANCED FEATURES

- Progressive Communication Options
- Multi-Language user interface- Default in English (LCD support Spanish & German)
- Online 99 event & trip logs (Including Current & Voltage) with time stamp
- Universal interchangeable control panel
- Enhanced measurement system 3-phase
- 3-phase to 2-phase on site quick fix operation
- Optimized for high efficiency motors (IE3)
- Plug & Play fan option
- Three set-up menu levels:
 - Quick start
 - Professional
 - Expert
- Enhanced data display
- Auto reset for selected faults
- Three external thermal inputs (Available by using an option card)
- Frequency auto tracking 45-65 Hz.
- Inline & inside delta connection
- USB interface for software update & programming
- Setting software for updates & programming
- Universal control voltage 110-220 VAC/DC (Size A, B, C)
- Busbar configuration option – Size D-I
- Remote display IP44 option

COMPREHENSIVE MOTOR PROTECTION PACKAGE

- Under & Over Voltage
- Under & Over Current
- Phase Sequence
- Internal share pin Protection
- Current inverse Time protection
- Overload classes
- Ground Fault
- Motor Insulation
- Welded Contactor
- Current Imbalance
- Programmable external fault
- Excessive number of starts
- Excessive starting time
- Soft starter over temperature
- Motor over temperature
- Phase Loss



COMPLETE SOFT AND STOP FUNCTIONS

- Acceleration control
- Current limit start
- Adjustments for 4 different motors
- Pump curves
- Torque control
- Soft stop
- Puls start
- Restart delay

APPLICATIONS

- Pumps
- Compressors
- Conveyors & Monorails
- Mixers
- Fans & Centrifuges
- Hydraulic pumps
- Operates with weak power sources

UNIVERSAL INTERCHANGEABLE CONTROL MODULE Single Control Module for Entire Line



Low Voltage Soft Starter Portfolio

Product	Description	Rated Current and Voltage Range	Bypass	Controlled Phases
ISA-SL	Digital	17-1100 A, 208-690 V	Internal	2 or 3-Phase
ISA-D	Digital, Heavy Duty	8-3000 A, 220-1200 V	External	3-Phase
ISA-A	Analog	8-170 A, 220-600 V	Internal above 31 A	3-Phase
ISA-A2P	Analog	8-58 A, 220-600 V	Internal	2-Phase

Available Frame Sizes 17-1100 A, 208-690 V, 2 or 3-phase control with internal bypass

	Rated Current (A)	Motor kW @ 400V	Dimensions (mm)			Weight (kg)	Internal Bypass	2 or 3-Phase Control
			W	H	D			
A	17	7.5	122	245	147	3.2	+	+
	31	15						
	44	22						
B	58	30	132	275	208	5.2	+	+
	72	37						
	85	45						
C	105	55	175	388	234	10.9	+	+
	145	75						
	170	90						
D	230	110	375	644	275	37	+	+
	310	160						
	350	200						
E	430	250	375	644	285	38	+	+
F	515	290	480	691	300	47	+	+
G	590	330	480	791	300	56	+	+
	690	400						
H	720	415	510	791	305	60	+	+
	850	500						
I	960	560	559	815	316	85	+	+
	1100	630						

How To Order ISA-SL (Example):

31A	480V	230V	24V	3P
Rated Current	Mains Voltage	Control Voltage	Control Input Voltage	Options
	A - C: 208 - 600	A - C: 95V - 230V	24V DC	2P - 2 Phase control 6 - 3 x RTD thermal sensors
	D - I: 208 - 600 Or 208 - 690	D - I: 115V or 230V		3M - Modbus 8 - Conformal coating
				3P - Profibus F115 - Fan unit 115VAC (A-C)
				3D - DeviceNet F230 - Fan unit 230VAC (A-C)
				D - Remote key pad RU - Russian Language LCD
				4 - Insulation Protection ROC - Chinese Language LCD
				5 - Analog output

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IGEL® Electric GmbH

- A high-tech enterprise for best-in-class power electronics technology
- Leading technology through continuous field studies, development and testing
- Comprehensive portfolio of soft starters: low voltage and medium voltage units for general purpose as well as for demanding applications
- Engineering of industrial electronic motor control equipment

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