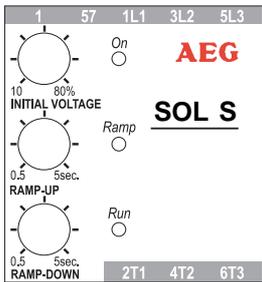


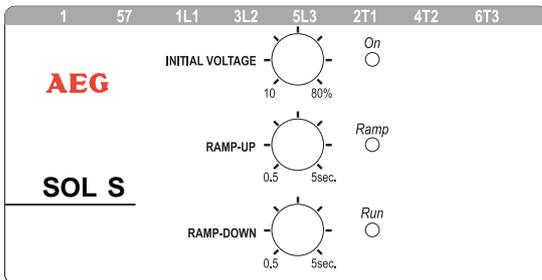
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NEW
 2002

Frontview - Frame 1



Frontview - Frame 2



SOL S

Small Soft Starters with integral By-Pass

SOL S are compact, easy to operate soft starters, designed for use with standard 3 phase squirrel cage motors. It provides an advanced method of reducing current during motor starting and stopping.

SOL S will start supplying a reduced voltage to the motor, increasing up to the rated voltage, avoiding so, high currents and generating soft starting and stopping. The motor has to be able to start in a reduced voltage.

- Solid state soft starter for standard 3ph AC motors up to 30kW at 400VAC
- Voltage ratings up to 600V
- Two phase control with integral by-pass
- Compact, small frame
- DIN-rail mounting, optional from 31A
- Start and soft stop features

SPECIFICATIONS

Ratings

Voltage ratings (3 ph AC systems)	Up to 415V +10%, -15% for units SOLSxxx-3 Up to 500V +10%, -15% for units SOLSxxx-5 Up to 600V +10%, -15% for units SOLSxxx-6
Frequency range	50/60Hz, +5%, -5%
Load	3ph, AC standard motor

Control specifications

Ramp up	0.5-5 s.
Ramp down	0.5-5 s.
Initial voltage	0-80% Un
Starting torque	0-64% Tn

I/O control

Input	One input for Start/Stop
Output	One output for 'End of ramp' signal For ratings 31, 44, 58A

Environmental conditions

Operating temperature	0°C to 40°C. Up to 60°C derating by 1.2% per °C
Storage temperature	-20°C to 70°C
Relative humidity	Up to 80%, not condensing
Maximum altitude	Up to 1000 m. Above this derate by 5% each 100 m
Maximum protection degree	IP20

Marking

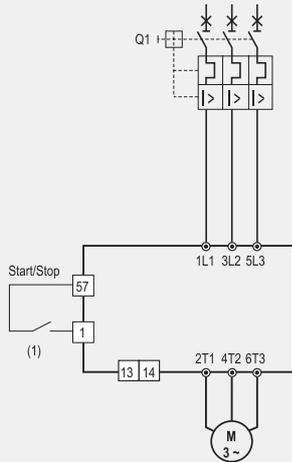
CE

Cat. No.	Ref. No.	Current rating (A)	Max. current ⁽¹⁾ (A)	Motor rating ⁽²⁾			Dimensions frame
				380/415V (kW)	480/500V (kW)	575/600V (kW)	
Input voltage 220-415VAC							
SOLS04-3	120892	8	28	4	-	-	1
SOLS07-3	120893	17	60	7.5	-	-	2
SOLS11-3	120894	22	77	11	-	-	2
SOLS15-3	120895	31	110	15	-	-	3
SOLS22-3	120896	44	150	22	-	-	3
SOLS30-3	120897	58	200	30	-	-	3
Input voltage 500VAC							
SOLS05-5	120898	8	28	-	5.5	-	1
SOLS11-5	120899	17	60	-	11	-	2
SOLS15-5	120900	22	77	-	15	-	2
SOLS22-5	120901	31	110	-	22	-	3
SOLS30-5	120902	44	150	-	30	-	3
SOLS45-5	120903	58	200	-	45	-	3
Input voltage 600VAC							
SOLS07-6	120904	8	28	-	-	7.5	2
SOLS15-6	120905	17	60	-	-	15	2
SOLS22-6	120906	22	77	-	-	22	2
SOLS30-6	120907	31	110	-	-	30	3
SOLS37-6	120908	44	150	-	-	37	3
SOLS55-6	120909	58	200	-	-	55	3

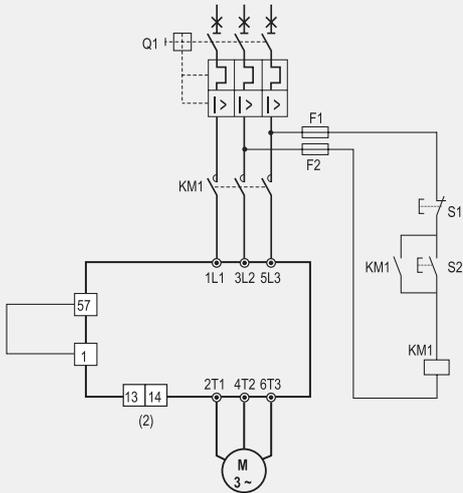
(1) Maximum starting current with ramp time of 5 sec.
 (2) Ratings for standard 4 poles induction motors.

DIAGRAMS

Control by permanent command (soft start and soft stop)



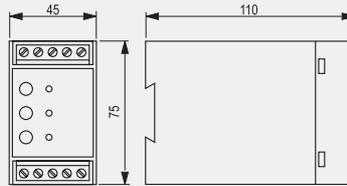
Control by push-buttons and line contactor (soft start)



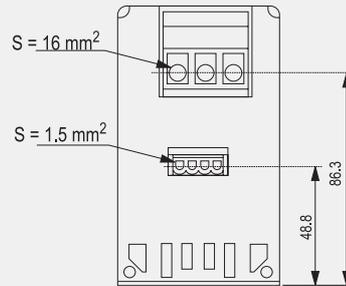
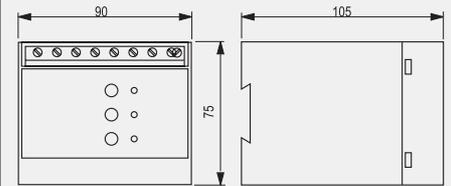
(1) Dry control

DIMENSIONS

SOL S - Frame 1



SOL S - Frame 2



Frontview

