

Standards and Certifications

- IEC 947 compliant
- EN 60947-4-2
- CSA Certification
- cUL_{US} Listed (File # E202571)
- CE marked

Technical Data and Specifications

Table 27. Specifications— IT Soft Starter

Soft Starter (Partial Catalog Number)	S801 N37	S801 N66	S801 R10	S801 R13	S801 T18	S801 T24	S801 T30	S801 U36	S801 U42	S801 U50 ①	S801 V36	S801 V42	S801 V50	S801 V65	S801 V72	S801 V85	S801 V10 ②
Max. Current Capacity	37	66	105	135	180	240	304	360	420	500	360	420	500	650	720	850	1000

Dimensions

Width in Inches (mm)	2.60 (66.0)	4.37 (111.0)	7.65 (194.4)		7.73 (196.3)		11.03 (280.2)	
Height in Inches (mm)	7.38 (187.4)	7.92 (201.1)	12.71 (322.9)		12.72 (323.1)		16.57 (420.8)	
Depth in Inches (mm)	6.63 (168.4)	7.03 (178.6)	6.69 (169.8)		7.08 (179.9)		7.23 (183.7)	
Weight in lbs. (kg)	5.8 (2.6)	10.5 (4.8)	48 (21.8) w/Lugs 41 (18.6) w/o Lugs		48 (21.8) w/Lugs 41 (18.6) w/o Lugs		103 (46.8) w/Lugs 91 (41.4) w/o Lugs	

General Information

Bypass Mechanical Lifespan	10M
Insulating Voltage U _i	660V
Ramp Time Range	.5 – 180 Seconds (.5 – 360 Seconds Extended Ramp)
Resistance to Vibration	3g
Resistance to Shock	15g

Electrical Information

Operating Voltage	200 – 600V
Operating Frequency	47 – 63 Hz
Overload Setting	30 – 100%
Trip Class	5, 10, 20, & 30

Cabling Capacity (IEC 947)

Number of Conductors	1	1	1 or 2	1 or 2	2, 4 or 6
Wire Sizes	14 – 2	14 – 4/0	4 AWG to 500 MCM	4 AWG to 500 MCM	2/0 to 500 MCM
Type of Connectors	Box Lug		Add-On Lug Kit		

Control Wiring (12-Pin)

Wire Sizes in AWG	22 – 14
Number of Conductors (Stranded)	2 (or one AWG 12)
Torque Requirements in lb-in	3.5
Solid, Stranded or Flexible Max. Size in mm ²	3.31

Control Power Requirements

Voltage Range (24V ± 10%)	21.6 – 26.4				
Steady State Current Amps	1.0	1.0	1.0	1.0	1.4
Inrush Current Amps	10	10	10	10	10
Ripple	1%				

Relays (1) Class A and C

Voltage AC — maximum	240
Voltage DC — maximum	120
Amps — maximum	3

Environment

Temperature — Operating	-30 – 50°C (No derating) Consult factory for operation > 50° C
Temperature — Storage	-50 – 70°C
Altitude	<2000 Meters — Consult factory for operation > 2000m
Humidity	<95% Non-condensing
Operating Position	Any
Pollution degree IEC947-1	3
Impulse withstand Voltage IEC947-4-1	6000V

① U-Frame 500 Amp unit does not have IEC Certification.

② UR Recognized Product.