



CSX
Series

Installation Instructions

Spanish German Italian



WARNING - Disconnect from power source before installing or servicing.

SPANISH - Disconnect from power source before installing or servicing.

GERMAN - Disconnect from power source before installing or servicing.

ITALIAN - Disconnect from power source before installing or servicing.

Range
Spanish
German
Italian

CSX - [] - [] - []

Control Supply (A1, A2, A3)

C1	110-240 VAC & 380-440 VAC
C2	24 VAC/VDC

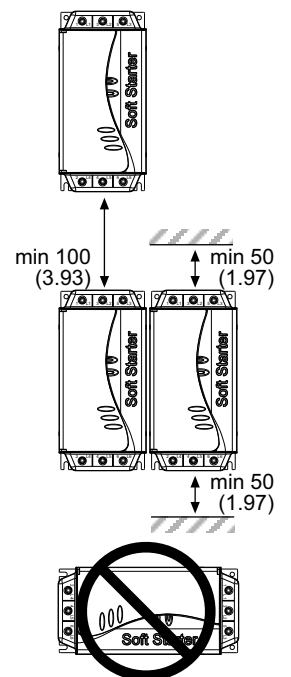
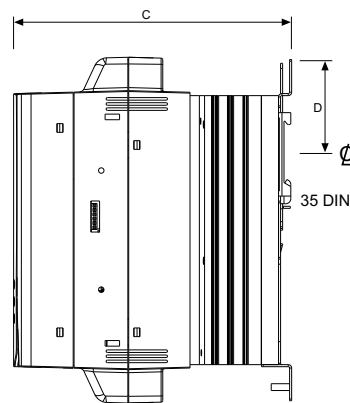
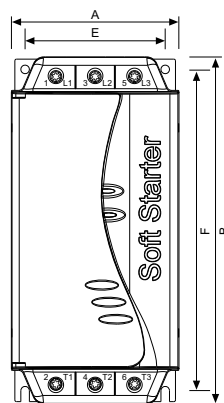
Mains Supply (L1, L2, L3)

V4	3Ø, 200-440 VAC, 45-66 Hz
V6	3Ø, 200-575 VAC, 45-66 Hz

Maximum Motor FLC

	AC53b 4-6:354	AC53b 4-20:340
007	18 A	16 A
015	34 A	31 A
018	42 A	37 A
022	48 A	46 A
030	60 A	48 A
	AC53b 4-6:594	AC53b 4-20:580
037	75 A	67 A
045	85 A	72 A
055	100 A	92 A
075	140 A	116 A
090	170 A	138 A
110	200 A	160 A

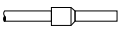


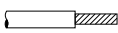




Dimensions
Spanish
German
Italian



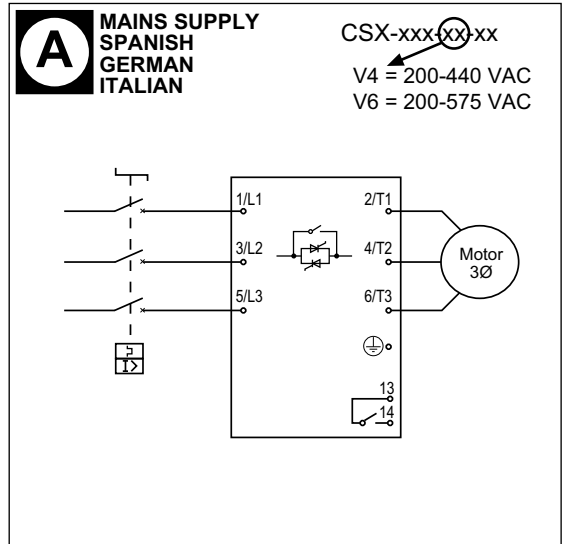
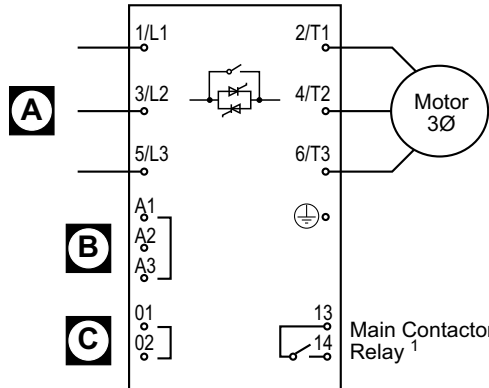
MODEL	A	B	C	D	E	F
007						
015						
018	98 (3.86)	203 (7.99)	163 (6.42)	55 (2.17)	82 (3.23)	188 (7.40)
022						
030						
037						
045	145 (5.71)	215 (8.46)	191 (7.52)	-	124 (4.88)	196 (7.71)
055						
075						
090	202 (7.95)	240 (9.45)	212 (8.35)	-	160 (6.30)	204 (8.03)
110						

mm (inch)

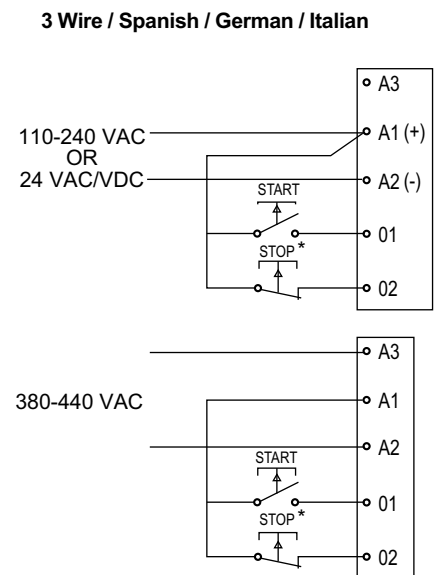
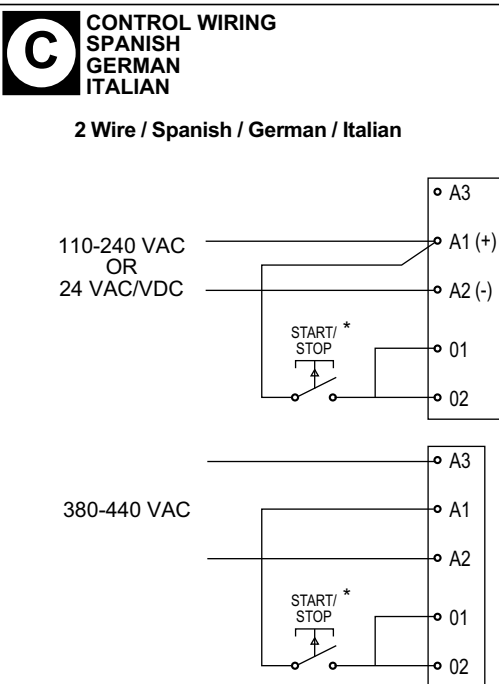
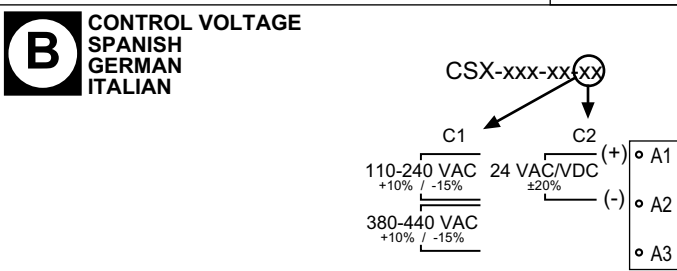
Wiring
Spanish
German
Italian

75°C Wire Use copper conductors only	L1/1, L2/3, L3/5, T1/2, T2/4, T3/6 mm ² (AWG)			A1, A2, A3, 01, 02, B4, B5, 13, 14, 23, 24 mm ² (AWG)
	007 ~ 030	037 ~ 055	075 ~ 110	007 ~ 110
	10 - 35 (8 - 2)	 25 - 70 (4 - 2/0)	N.A.	 0.14 - 1.5 (26 - 16)
	10 - 35 (8 - 2)	 14 (0.55) mm (inch)	N.A.	 6 (0.24)
	Torx (T20) 3 - 5 Nm 2.2 - 3.7 ft-lb	Torx (T20) 4 - 6 Nm. 2.9 - 4.4 ft-lb	N.A.	N.A.
	7 mm 3 - 5 Nm 2.2 - 3.7 ft-lb	7 mm 4 - 6 Nm 2.9 - 4.4 ft-lb	N.A.	3.5 mm 0.5 Nm max 4.4 lb-in max

Electrical Schematic
Spanish
German
Italian



¹ 5A @ 30 VDC resistive, 5A @ 250 VAC p.f. = 1, 3A @ 250 VAC p.f = 0.4



* Also resets trip states. Spanish. German. Italian

Adjustments
Spanish
German
Italian

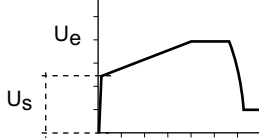
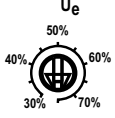
1

INITIAL START VOLTAGE
SPANISH
GERMAN
ITALIAN

LOCAL RESET
SPANISH
GERMAN
ITALIAN

4

Initial Start Voltage

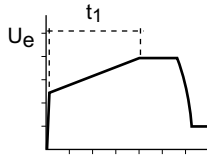
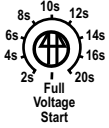


2

START RAMP TIME
SPANISH
GERMAN
ITALIAN

Start Ramp Time

t_1 (seconds)

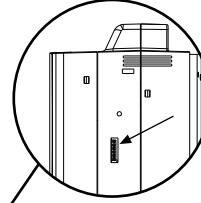
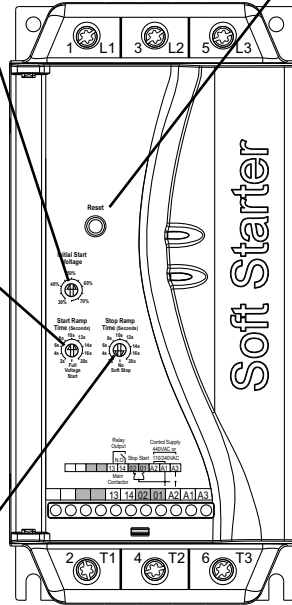
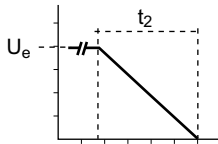


3

STOP RAMP TIME
SPANISH
GERMAN
ITALIAN

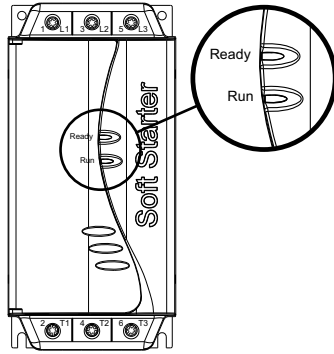
Stop Ramp Time




t_2 (seconds)






Optional Accessory Connection Port
 Spanish
 German
 Italian

Indication
Spanish
German
Italian



	Ready	Run
 Off Spanish German Italian	No control power Spanish German Italian	Motor not running Spanish German Italian
 On Spanish German Italian	Ready Spanish German Italian	Motor running at full speed Spanish German Italian
 Flash Spanish German Italian	Starter tripped Spanish German Italian	Motor starting or stopping Spanish German Italian

Trouble Shooting
Spanish
German
Italian

Ready	Description / Spanish / German / Italian
 x 1	Power Circuit: Check mains supply L1,L2 & L3, motor circuit T1,T3 & T5 and soft starter SCRs. Spanish German Italian
 x 6	Supply Frequency: Check supply frequency is in range. Spanish German Italian
 x 8	Communications Failure (between soft starter and optional accessory module): Check plug connection. Spanish German Italian



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CAUTION - This product has been designed for Class A equipment. Use of this product in domestic environments may cause radio interference.
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CAUTION - Do not connect power factor correction capacitors between the soft starter and the motor.
SPANISH - Do not connect power factor correction capacitors between the soft starter and the motor.
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