3.1.5 Softstarter overview

Change the settings through Keypad and Fieldbus communication.

Use the keypad to change settings for each parameter alone or as a selection of default parameters for different applications.
Most parameters have one possible setting, but some parameters have extra settings for sequence start. The default parameter settings are stored in the unit for a reset to default.
When the fieldbus communication is selected, most parameters can also be changed from this interface.
Overview, See **Figure 3.1**.

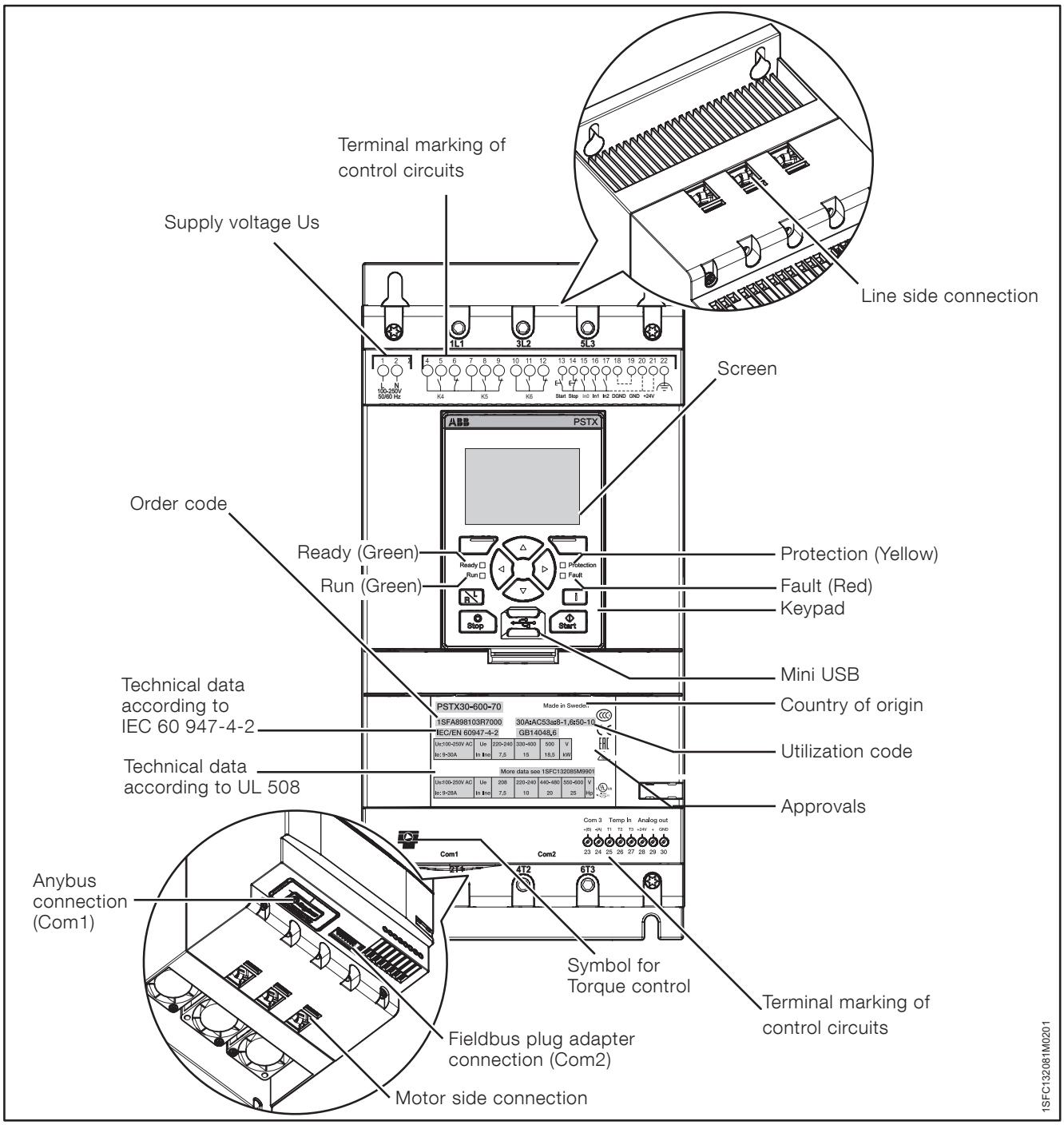


Figure 3.1
Softstarter overview

3.2.5 Softstarter ratings

PSTX30…1250 Temp ≤ + 40 °C (104 °F), 4 * Ie in 10 sec.

IEC				Motor power when connected In Line				Motor power when connected Inside Delta				Rated current Ie	
	Softstarter type	Order number	Ie range	220-230V kW	380-400V kW	500V kW	690V kW	220-230V kW	380-400V kW	500V kW	690V kW	In Line A	Inside Delta A
PSTX30...105	PSTX30-600-70	1SFA898103R7000	9-30A	7,5	15	18,5		12,5	25	30		30	52
	PSTX30-690-70	1SFA898203R7000	9-30A		15	18,5	25		25	30	45	30	52
	PSTX37-600-70	1SFA898104R7000	11,1-37A	9	18,5	22		15	30	37		37	64
	PSTX37-690-70	1SFA898204R7000	11,1-37A		18,5	22	30		30	37	55	37	64
	PSTX45-600-70	1SFA898105R7000	13,5-45A	12,5	22	25		25	37	45		45	76
	PSTX45-690-70	1SFA898205R7000	13,5-45A		22	25	37		37	45	59	45	76
	PSTX60-600-70	1SFA898106R7000	18-60A	15	30	37		30	55	75		60	105
	PSTX60-690-70	1SFA898206R7000	18-60A		30	37	55		55	75	90	60	105
	PSTX72-600-70	1SFA898107R7000	21,6-72A	18,5	37	45		37	59	80		72	124
	PSTX72-690-70	1SFA898207R7000	21,6-72A		37	45	59		59	80	110	72	124
	PSTX85-600-70	1SFA898108R7000	25,5-85A	22	45	55		40	75	90		85	147
	PSTX85-690-70	1SFA898208R7000	25,5-85A		45	55	75		75	90	132	85	147
	PSTX105-600-70	1SFA898109R7000	31,8-106A	30	55	75		55	90	110		106	181
	PSTX105-690-70	1SFA898209R7000	31,8-106A		55	75	90		90	110	160	106	181
PSTX142-170	PSTX142-600-70	1SFA898110R7000	42,9-143A	37	75	90		75	132	160		143	245
	PSTX142-690-70	1SFA898210R7000	42,9-143A		75	90	132		132	160	220	143	245
	PSTX170-600-70	1SFA898111R7000	51,3-171A	45	90	110		90	160	200		171	300
	PSTX170-690-70	1SFA898211R7000	51,3-171A		90	110	160		160	200	257	171	300
PSTX210...370	PSTX210-600-70	1SFA898112R7000	63-210A	59	110	132		102	184	250		210	360
	PSTX210-690-70	1SFA898212R7000	63-210A		110	132	184		184	250	315	210	360
	PSTX250-600-70	1SFA898113R7000	75-250A	75	132	160		132	220	295		250	430
	PSTX250-690-70	1SFA898213R7000	75-250A		132	160	220		220	295	400	250	430
	PSTX300-600-70	1SFA898114R7000	90-300A	90	160	200		160	257	355		300	515
	PSTX300-690-70	1SFA898214R7000	90-300A		160	200	257		257	355	500	300	515
	PSTX370-600-70	1SFA898115R7000	111-370A	110	200	257		200	355	450		370	640
	PSTX370-690-70	1SFA898215R7000	111-370A		200	257	355		355	450	600	370	640
PSTX470...570	PSTX470-600-70	1SFA898116R7000	141-470A	132	250	315		250	450	600		470	814
	PSTX470-690-70	1SFA898216R7000	141-470A		250	315	450		450	600	800	470	814
	PSTX570-600-70	1SFA898117R7000	171-570A	160	315	400		295	540	700		570	987
	PSTX570-690-70	1SFA898217R7000	171-570A		315	400	560		540	700	960	570	987
PSTX720...840	PSTX720-600-70	1SFA898118R7000	216-720A	200	400	500		355	710	880		720	1247
	PSTX720-690-70	1SFA898218R7000	216-720A		400	500	710		710	880	1200	720	1247
	PSTX840-600-70	1SFA898119R7000	252-840A	250	450	600		450	800	1000		840	1455
	PSTX840-690-70	1SFA898219R7000	252-840A		450	600	800		800	1000	1400	840	1455
PSTX1050...1250	PSTX1050-600-70	1SFA898120R7000	315-1050A	315	560	730		500	1000	1250		1050	1810
	PSTX1050-690-70	1SFA898220R7000	315-1050A		560	730	1000		1000	1250	1700	1050	1810
	PSTX1250-600-70	1SFA898121R7000	375-1250A	400	710	880		670	1200	1500		1250	2160
	PSTX1250-690-70	1SFA898221R7000	375-1250A		710	880	1200		1200	1500	2000	1250	2160

1) All data for 40 °C ambient. Above 40 °C (104 F) up to max. 40 °C (140 F) reduce the rated current with 0,8% per degree C above 40 °C (0,44% per F).

PSTX30…1250 Temp ≤ + 40 °C (104 °F), 4 * Ie in 10 sec.

			Motor power when connected In Line				Motor power when connected Inside Delta				Rated current Ie	
			208V	220-240V	440-480V	550-600V	208V	220-240V	440-480V	550-600V	In Line	Inside Delta
	Softstarter type	Order number	hp	hp	hp	hp	hp	hp	hp	hp	A	A
PSTX30…105	PSTX30-600-70	1SFA898103R7000	7,5	10	20	25	10	15	30	40	28	48
	PSTX30-690-70	1SFA898203R7000			20	25			30	40	28	48
	PSTX37-600-70	1SFA898104R7000	10	10	25	30	15	20	40	50	34	58
	PSTX37-690-70	1SFA898204R7000			25	30			40	50	34	58
	PSTX45-600-70	1SFA898105R7000	10	15	30	40	20	25	50	60	42	72
	PSTX45-690-70	1SFA898205R7000			30	40			50	60	42	72
	PSTX60-600-70	1SFA898106R7000	20	20	40	50	30	40	75	100	60	103
	PSTX60-690-70	1SFA898206R7000			40	50			75	100	60	103
	PSTX72-600-70	1SFA898107R7000	20	25	50	60	30	40	75	100	68	117
	PSTX72-690-70	1SFA898207R7000			50	60			75	100	68	117
	PSTX85-600-70	1SFA898108R7000	25	30	60	75	40	50	100	125	80	138
	PSTX85-690-70	1SFA898208R7000			60	75			100	125	80	138
	PSTX105-600-70	1SFA898109R7000	30	40	75	100	60	60	150	150	104	180
	PSTX105-690-70	1SFA898209R7000			75	100			150	150	104	180
PSTX142-170	PSTX142-600-70	1SFA898110R7000	40	50	100	125	75	75	150	200	130	225
	PSTX142-690-70	1SFA898210R7000			100	125			150	200	130	225
	PSTX170-600-70	1SFA898111R7000	50	60	125	150	75	100	200	250	169	292
	PSTX170-690-70	1SFA898211R7000			125	150			200	250	169	292
PSTX210…370	PSTX210-600-70	1SFA898112R7000	60	75	150	200	100	125	250	300	192	332
	PSTX210-690-70	1SFA898212R7000			150	200			250	300	192	332
	PSTX250-600-70	1SFA898113R7000	75	100	200	250	150	150	350	450	248	429
	PSTX250-690-70	1SFA898213R7000			200	250			350	450	248	429
	PSTX300-600-70	1SFA898114R7000	100	100	250	300	150	200	450	500	302	523
	PSTX300-690-70	1SFA898214R7000			250	300			450	500	302	523
	PSTX370-600-70	1SFA898115R7000	125	150	300	350	200	250	500	600	361	625
	PSTX370-690-70	1SFA898215R7000			300	350			500	600	361	625
PSTX470…570	PSTX470-600-70	1SFA898116R7000	150	200	400	500	250	300	600	700	480	830
	PSTX470-690-70	1SFA898216R7000			400	500			600	700	480	830
	PSTX570-600-70	1SFA898117R7000	200	200	500	600	300	350	700	800	590	1020
	PSTX570-690-70	1SFA898217R7000			500	600			700	800	590	1020
PSTX720…840	PSTX720-600-70	1SFA898118R7000	250	300	600	700	400	500	1000	1200	720	1240
	PSTX720-690-70	1SFA898218R7000			600	700			1000	1200	720	1240
	PSTX840-600-70	1SFA898119R7000	300	350	700	800	500	600	1200	1500	840	1450
	PSTX840-690-70	1SFA898219R7000			700	800			1200	1500	840	1450
PSTX1050…1250	PSTX1050-600-70	1SFA898120R7000	400	450	900	1000	600	700	1500	1900	1062	1830
	PSTX1050-690-70	1SFA898220R7000			900	1000			1500	1900	1062	1830
	PSTX1250-600-70	1SFA898121R7000	400	500	1000	1200	800	900	1800	2000	1250	2160
	PSTX1250-690-70	1SFA898221R7000			1000	1200			1800	2000	1250	2160

4 * Ie in 10 sec

Ordering data according to UL (40°C ambient)