

Mykstartere

Type PSS

Type PST/PSTB - New range

Ny

Katalog 1SEC132001C2101, Juli 2003



1SEC13201 6F0201

ABB

PSS03 ... PSS25

For normal starts

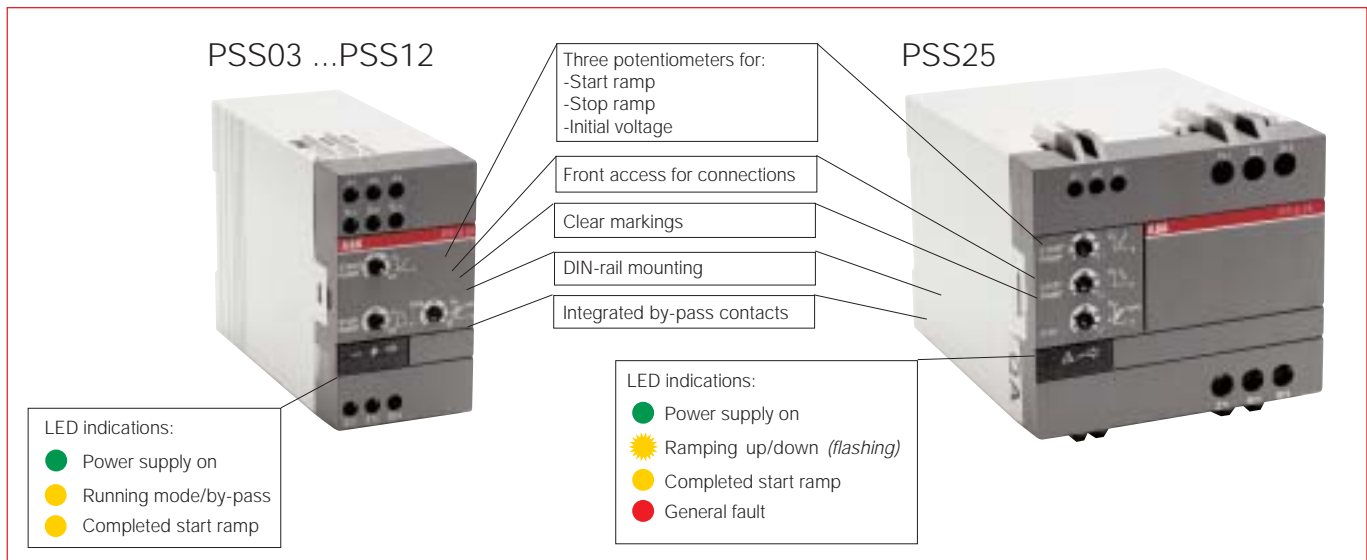
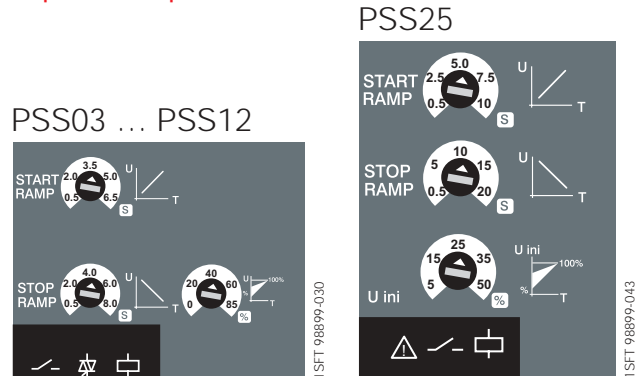
Application

The softstarter types **PSS03 ... PSS25** are compact solutions for small motors. It is easy to install and to adjust as access for connections and adjustments is from the front. The unit is for DIN-rail mounting.

Description

- Current ratings 3, 12 and 25 A
- Main voltage levels 230, 400, 480 - 500 and 600 V
- Control voltage range 24-110 V AC/DC and 110-480 V AC
- Settings for Start ramp, Stop ramp and Initial Voltage
- For mounting on 35 mm DIN-rail
- Built-in by-pass contacts

Operator panels



Ordering details

230 – 600 V

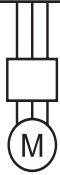
Motor power

230 V	400 V	500 V	600 V	Rated motor current, I_e	Type ¹⁾	Order code	El.number
P_e kW	P_e kW	P_e kW	P_e kW				
0.75	-	-	-	3.5	PSS03-220B	1SFA 891 001 R2209	
3.0	-	-	-	12	PSS12-220B	1SFA 891 002 R2209	0.27
6.5	-	-	-	25	PSS25-220B	1SFA 891 003 R2209	0.60
-	1.1	-	-	3.5	PSS03-400B	1SFA 891 001 R4009	0.27
-	5.5	-	-	12	PSS12-400B	1SFA 891 002 R4009	0.27
-	11.0	-	-	25	PSS25-400B	1SFA 891 003 R4009	0.60
-	-	1.5	-	3.5	PSS03-480B	1SFA 891 001 R4809	0.27
-	-	5.5	-	12	PSS12-480B	1SFA 891 002 R4809	0.27
-	-	15.0	-	25	PSS25-480B	1SFA 891 003 R4809	0.60
-	-	-	7.5	12	PSS12-600B	1SFA 891 002 R6009	0.27
-	-	-	18.5	25	PSS25-600B	1SFA 891 003 R6009	0.60

¹⁾ Control voltage, U_c

Type	V, AC/DC	V, AC
220B	24-110	110-230
400B	24-110	110-400
480B	24-110	110-500
600B	24-110	110-500





PSS18/30 ... PSS300/515

For normal starts. In-Line

Ordering details. In-Line

How to select correct size for heavy duty starts

See the quick guide on page 6.



PSS18/30-500 ... 44/76-500



PSS50/85-500 ... 72/124-500
PSS18/30-690 ... 72/124-690



PSS85/147-500 ... 142/245-500
PSS85/147-690 ... 142/245-690



PSS175/300-500 ... 300/515-500
PSS175/300-690 ... 300/515-690

230 – 500 V

Motor power

400 V P_e kW	500 V P_e kW	690 V P_e kW	Rated motor current, I_e A	Type ¹⁾	Order code ²⁾	Weight kg
7.5	11	-	18	PSS18/30-500□	1SFA 892 001 R▽00▽	2.30
15	18.5	-	30	PSS30/52-500□	1SFA 892 002 R▽00▽	2.30
18.5	22	-	37	PSS37/64-500□	1SFA 892 003 R▽00▽	2.30
22	25	-	44	PSS44/76-500□	1SFA 892 004 R▽00▽	2.30
25	30	-	50	PSS50/85-500□	1SFA 892 005 R▽00▽	3.60
30	37	-	60	PSS60/105-500□	1SFA 892 006 R▽00▽	3.80
37	45	-	72	PSS72/124-500□	1SFA 892 007 R▽00▽	3.80
45	55	-	85	PSS85/147-500□	1SFA 892 008 R▽00▽	8.60
55	75	-	105	PSS105/181-500□	1SFA 892 009 R▽00▽	10.40
75	90	-	142	PSS142/245-500□	1SFA 892 010 R▽00▽	10.40
90	110	-	175	PSS175/300-500□	1SFA 892 011 R▽00▽	20.50
132	160	-	250	PSS250/430-500□	1SFA 892 013 R▽00▽	22.00
160	200	-	300	PSS300/515-500□	1SFA 892 014 R▽00▽	22.00

400 – 690 V

Motor power

400 V P_e kW	500 V P_e kW	690 V P_e kW	Rated motor current, I_e A	Type ¹⁾	Order code ²⁾	Weight kg
7.5	11	15	18	PSS18/30-690□	1SFA 893 001 R▽00▽	2.30
15	18.5	25	30	PSS30/52-690□	1SFA 893 002 R▽00▽	2.30
18.5	22	30	37	PSS37/64-690□	1SFA 893 003 R▽00▽	2.30
22	25	37	44	PSS44/76-690□	1SFA 893 004 R▽00▽	2.30
25	30	45	50	PSS50/85-690□	1SFA 893 005 R▽00▽	3.60
30	37	55	60	PSS60/105-690□	1SFA 893 006 R▽00▽	3.80
37	45	59	72	PSS72/124-690□	1SFA 893 007 R▽00▽	3.80
45	55	75	85	PSS85/147-690□	1SFA 893 008 R▽00▽	8.60
55	75	90	105	PSS105/181-690□	1SFA 893 009 R▽00▽	10.40
75	90	132	142	PSS142/245-690□	1SFA 893 010 R▽00▽	10.40
90	110	160	175	PSS175/300-690□	1SFA 893 011 R▽00▽	20.50
132	160	220	250	PSS250/430-690□	1SFA 893 013 R▽00▽	22.00
160	200	257	300	PSS300/515-690□	1SFA 893 014 R▽00▽	22.00

¹⁾ Add code letter in Type for:

Supply voltage, U_c
 F = 110-120 V, 50/60 Hz
 L = 220-240 V, 50/60 Hz

Fault signal relay

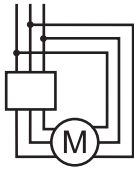
no code letter = NO
 C = NC

²⁾ Add code number in Order code for:

Supply voltage, U_c
 ▼ 1 = 110-120 V, 50/60 Hz
 ▼ 2 = 220-240 V, 50/60 Hz

Fault signal relay

▽ 1 = NO
 ▽ 2 = NC



PSS18/30 ... PSS300/515

For normal starts. Inside Delta

Ordering details. Inside Delta

How to select correct size for heavy duty starts

See the quick guide on page 6.



PSS18/30-500 ... 44/76-500



PSS50/85-500 ... 72/124-500
PSS18/30-690 ... 72/124-690



PSS85/147-500 ... 142/245-500
PSS85/147-690 ... 142/245-690



PSS175/300-500 ... 300/515-500
PSS175/300-690 ... 300/515-690

230 – 500 V

Motor power

400 V P_e kW	500 V P_e kW	690 V P_e kW	Rated motor current, I_e A	Type ^{*)}	Order code ^{**)}	Weight kg
15	18.5	-	30	PSS18/30-500□	1SFA 892 001 R▽00▽	2.30
25	30	-	52	PSS30/52-500□	1SFA 892 002 R▽00▽	2.30
30	37	-	64	PSS37/64-500□	1SFA 892 003 R▽00▽	2.30
37	45	-	76	PSS44/76-500□	1SFA 892 004 R▽00▽	2.30
45	55	-	85	PSS50/85-500□	1SFA 892 005 R▽00▽	3.60
55	75	-	105	PSS60/105-500□	1SFA 892 006 R▽00▽	3.80
59	80	-	124	PSS72/124-500□	1SFA 892 007 R▽00▽	3.80
75	90	-	147	PSS85/147-500□	1SFA 892 008 R▽00▽	8.60
90	110	-	181	PSS105/181-500□	1SFA 892 009 R▽00▽	10.40
132	160	-	245	PSS142/245-500□	1SFA 892 010 R▽00▽	10.40
160	200	-	300	PSS175/300-500□	1SFA 892 011 R▽00▽	20.50
220	295	-	430	PSS250/430-500□	1SFA 892 013 R▽00▽	22.00
257	355	-	515	PSS300/515-500□	1SFA 892 014 R▽00▽	22.00

400 – 690 V

Motor power

400 V P_e kW	500 V P_e kW	690 V P_e kW	Rated motor current, I_e A	Type ^{*)}	Order code ^{**)}	Weight kg
15	18.5	25	30	PSS18/30-690□	1SFA 893 001 R▽00▽	2.30
25	30	45	52	PSS30/52-690□	1SFA 893 002 R▽00▽	2.30
30	37	55	64	PSS37/64-690□	1SFA 893 003 R▽00▽	2.30
37	45	59	76	PSS44/76-690□	1SFA 893 004 R▽00▽	2.30
45	55	75	85	PSS50/85-690□	1SFA 893 005 R▽00▽	3.60
55	75	90	105	PSS60/105-690□	1SFA 893 006 R▽00▽	3.80
59	80	110	124	PSS72/124-690□	1SFA 893 007 R▽00▽	3.80
75	90	132	147	PSS85/147-690□	1SFA 893 008 R▽00▽	8.60
90	110	160	181	PSS105/181-690□	1SFA 893 009 R▽00▽	10.40
132	160	220	245	PSS142/245-690□	1SFA 893 010 R▽00▽	10.40
160	200	257	300	PSS175/300-690□	1SFA 893 011 R▽00▽	20.50
220	295	400	430	PSS250/430-690□	1SFA 893 013 R▽00▽	22.00
257	355	500	515	PSS300/515-690□	1SFA 893 014 R▽00▽	22.00

^{*)} Add code letter in Type for:

Supply voltage, U_c

- F = 110-120 V, 50/60 Hz
- L = 220-240 V, 50/60 Hz

Fault signal relay

- no code letter = NO
- C = NC

^{**)} Add code number in Order code for:

Supply voltage, U_c

- ▽ 1 = 110-120 V, 50/60 Hz
- ▽ 2 = 220-240 V, 50/60 Hz

Fault signal relay

- ▽ 1 = NO
- ▽ 2 = NC

Accessories for PSS18/30 ... PSS300/515

Ordering details

Current transformer for current limit function

To be connected to terminals 11 and 12 on the softstarter.
The setting range (1.5 – 4) corresponds to a multiple of the transformer ratio.
Technical data below shows transformer ratio and number of turns for the primary winding.
You can also use your own current transformer with corresponding transformer ratio and with minimum 1 VA.

For softstarter type	Transformer ratio, Number of turns	Type	Order code	Pack ^{ing}	Weight
				piece	1 piece
PSS18/30	60/1 – 2 turns	PSCT-60	1SFA 899 001 R1060	1	0.30
PSS30/52	60/1 – 1 turn	PSCT-40	1SFA 899 001 R1040	1	0.30
PSS37/64	60/1 – 1 turn	PSCT-50	1SFA 899 001 R1050	1	0.30
PSS44/76	60/1 – 1 turn	PSCT-60	1SFA 899 001 R1060	1	0.30
PSS50/85	75/1 – 1 turn	PSCT-75	1SFA 899 001 R1075	1	0.30
PSS60/105	75/1 – 1 turn	PSCT-75	1SFA 899 001 R1075	1	0.30
PSS72/124	100/1 – 1 turn	PSCT-100	1SFA 899 001 R1100	1	0.25
PSS85/147	125/1 – 1 turn	PSCT-125	1SFA 899 001 R1125	1	0.25
PSS105/181	150/1 – 1 turn	PSCT-150	1SFA 899 001 R1150	1	0.25
PSS142/245	200/1 – 1 turn	PSCT-200	1SFA 899 001 R1200	1	0.25
PSS175/300	250/1 – 1 turn	PSCT-250	1SFA 899 001 R1250	1	0.25
PSS250/430	400/1 – 1 turn	PSCT-400	1SFA 899 001 R1400	1	0.25
PSS300/515	400/1 – 1 turn	PSCT-400	1SFA 899 001 R1400	1	0.25

Cable connectors for Cu cables

For softstarter type	Wire range mm ²	Tightening torque max. Nm	Type	Order code	Pack ^{ing}	Weight
					piece	1 piece
PSS85/147...142/245	6-120	16	-	1SDA 023 354 R0001	3	0.20
PSS85/147...142/245	2x(50-120)	16	LZ185-2C/120	1SFN 074 709 R1000	3	0.30
PSS175/300...300/515	16-240	25	-	1SDA 023 368 R0001	3	0.40

Cable connectors for Al and Cu cables

For softstarter type	Wire range mm ²	Tightening torque max. Nm	Type	Order code	Pack ^{ing}	Weight
					piece	1 piece
PSS85/147...142/245	35-95	13.5	-	1SDA 023 356 R0001	3	0.10
PSS85/147...142/245	25-150	31	-	1SDA 023 357 R0001	3	0.10
PSS175/300...300/515	120-240	43	-	1SDA 023 370 R0001	3	0.10

Terminal shrouds

For softstarter type	Suitable for	Type	Order code	Pack ^{ing}	Weight
				piece	1 piece
PSS85/147...142/245	Cable connectors	LT185-AC	1SFN 124 701 R1000	2	0.10
PSS85/147...142/245	Compression lugs	LT185-AL	1SFN 124 703 R1000	2	0.10
PSS175/300...300/515	Cable connectors	LT300-AC	1SFN 125 101 R1000	2	0.20
PSS175/300...300/515	Compression lugs	LT300-AL	1SFN 125 103 R1000	2	0.20

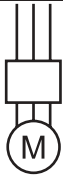
Terminal nut washer

For softstarter type	Type	Order code	Pack ^{ing}	Weight
			piece	1 piece
PSS85/147...142/245	LE185	1SFN 074 716 R1000	2	0.20
PSS175/300...300/515	LE300	1SFN 075 116 R1000	2	0.30

Terminal enlargements

For softstarter type	Wire range mm ²	Type	Order code	Pack ^{ing}	Weight
				piece	1 piece
PSS18/30-500 ...44/76-500	1x6...35 2x6...16	PSLW-44	1SFA 899 002 R1044	1	0.10
PSS50/85-500...72/124-500					
PSS18/30-690 ... 72/124-690	1x10...50 2x10...25	PSLW-72	1SFA 899 002 R1072	1	0.15
PSS85/147...142/245		LW185	1SFA 074 707 R1000	1	0.25
PSS175/300...300/515		LW300	1SFA 075 107 R1000	1	0.40





PST30 ... 300 and PSTB370 ... 1050

For normal starts, class 10. In-Line

How to select correct size for heavy duty starts

See the quick guide on page 16.

Ordering details In-Line

PST30 ... PST300

230 – 600 V

Supply voltage 100...250 V, 50/60 Hz

Motor power

400 V P_e kW	500 V P_e kW	690 V P_e kW	Rated motor current, I_e A	Type	Order code	Weight kg
15	18.5	-	30	PST30-600-70	1SFA 894 002 R7000	4.8
18.5	22	-	37	PST37-600-70	1SFA 894 003 R7000	4.8
22	25	-	44	PST44-600-70	1SFA 894 004 R7000	4.8
25	30	-	50	PST50-600-70	1SFA 894 005 R7000	4.8
30	37	-	60	PST60-600-70	1SFA 894 006 R7000	5.0
37	45	-	72	PST72-600-70	1SFA 894 007 R7000	5.0
45	55	-	85	PST85-600-70	1SFA 894 008 R7000	11.2
55	75	-	105	PST105-600-70	1SFA 894 009 R7000	13.0
75	90	-	142	PST142-600-70	1SFA 894 010 R7000	13.0
90	110	-	175	PST175-600-70	1SFA 894 011 R7000	21.5
110	132	-	210	PST210-600-70	1SFA 894 012 R7000	21.5
132	160	-	250	PST250-600-70	1SFA 894 013 R7000	23.0
160	200	-	300	PST300-600-70	1SFA 894 014 R7000	23.0

400 – 690 V

Supply voltage 100...250 V, 50/60 Hz

Motor power

400 V P_e kW	500 V P_e kW	690 V P_e kW	Rated motor current, I_e A	Type	Order code	P_e Weight kg
15	18.5	25	30	PST30-690-70	1SFA 895 002 R7000	4.8
18.5	22	30	37	PST37-690-70	1SFA 895 003 R7000	4.8
22	25	37	44	PST44-690-70	1SFA 895 004 R7000	4.8
25	30	45	50	PST50-690-70	1SFA 895 005 R7000	4.8
30	37	55	60	PST60-690-70	1SFA 895 006 R7000	5.0
37	45	59	72	PST72-690-70	1SFA 895 007 R7000	5.0
45	55	75	85	PST85-690-70	1SFA 895 008 R7000	11.2
55	75	90	105	PST105-690-70	1SFA 895 009 R7000	13.0
75	90	132	142	PST142-690-70	1SFA 895 010 R7000	13.0
90	110	160	175	PST175-690-70	1SFA 895 011 R7000	21.5
110	132	184	210	PST210-690-70	1SFA 895 012 R7000	21.5
132	160	220	250	PST250-690-70	1SFA 895 013 R7000	23.0
160	200	257	300	PST300-690-70	1SFA 895 014 R7000	23.0

PSTB370 ... PSTB1050 with integrated by-pass

230 – 600 V

Supply voltage 100...250 V, 50/60 Hz

Motor power

400 V P_e kW	500 V P_e kW	690 V P_e kW	Rated motor current, I_e A	Type	Order code	Weight kg
200	250	-	370	PSTB370-600-70	1SFA 894 015 R7000	31.0
250	315	-	470	PSTB470-600-70	1SFA 894 016 R7000	31.0
315	400	-	570	PSTB570-600-70	1SFA 894 017 R7000	52.0
400	500	-	720	PSTB720-600-70	1SFA 894 018 R7000	55.0
450	560	-	840	PSTB840-600-70	1SFA 894 019 R7000	60.0
560	730	-	1050	PSTB1050-600-70	1SFA 894 020 R7000	60.0

400 – 690 V

Supply voltage 100...250 V, 50/60 Hz

Motor power

400 V P_e kW	500 V P_e kW	690 V P_e kW	Rated motor current, I_e A	Type	Order code	Weight kg
200	250	355	370	PSTB370-690-70	1SFA 895 015 R7000	31.0
250	315	450	470	PSTB470-690-70	1SFA 895 016 R7000	31.0
315	400	560	570	PSTB570-690-70	1SFA 895 017 R7000	52.0
400	500	710	720	PSTB720-690-70	1SFA 895 018 R7000	55.0
450	560	800	840	PSTB840-690-70	1SFA 895 019 R7000	60.0
560	730	965	1050	PSTB1050-690-70	1SFA 895 020 R7000	60.0



PST30...PST72

1SFC132017F0201



PST85...PST142

1SFC132018F0201



PST175...PST300

1SFC132015F0201



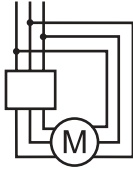
PSTB370...PSTB470

1SFC132018F0201



PSTB570...PSTB1050

1SFC132014F0201



PST30 ... 300 and PSTB370 ... 1050

For normal starts, class 10. Inside Delta

Ordering details Inside Delta

PST30 ... PST300

230 – 600 V

Supply voltage 100...250 V, 50/60 Hz

Motor power			Rated motor current, I_e	Type	Order code	Weight kg
400 V P_e kW	500 V P_e kW	690 V P_e kW				
25	30	-	52	PST30-600-70	1SFA 894 002 R7000	4.8
30	37	-	64	PST37-600-70	1SFA 894 003 R7000	4.8
37	45	-	76	PST44-600-70	1SFA 894 004 R7000	4.8
45	55	-	85	PST50-600-70	1SFA 894 005 R7000	4.8
55	75	-	105	PST60-600-70	1SFA 894 006 R7000	5.0
59	80	-	124	PST72-600-70	1SFA 894 007 R7000	5.0
75	90	-	147	PST85-600-70	1SFA 894 008 R7000	11.2
90	110	-	181	PST105-600-70	1SFA 894 009 R7000	13.0
132	160	-	245	PST142-600-70	1SFA 894 010 R7000	13.0
160	200	-	300	PST175-600-70	1SFA 894 011 R7000	21.5
184	250	-	360	PST210-600-70	1SFA 894 012 R7000	21.5
220	295	-	430	PST250-600-70	1SFA 894 013 R7000	23.0
257	355	-	515	PST300-600-70	1SFA 894 014 R7000	23.0

How to select correct size for heavy duty starts

See the quick guide on page 16.



PST30...PST72

1SFC132017F0201



PST85...PST142

1SFC132013F0201



PST175...PST300

1SFC132015F0201



PSTB370...PSTB470

1SFC132018F0201



PSTB570...PSTB1050

1SFC132014F0201

400 – 690 V

Motor power

Supply voltage 100...250 V, 50/60 Hz

Motor power			Rated motor current, I_e	Type	Order code	Weight kg
400 V P_e kW	500 V P_e kW	690 V P_e kW				
25	30	45	52	PST30-690-70	1SFA 895 002 R7000	4.8
30	37	55	64	PST37-690-70	1SFA 895 003 R7000	4.8
37	45	59	76	PST44-690-70	1SFA 895 004 R7000	4.8
45	55	75	90	PST50-690-70	1SFA 895 005 R7000	4.8
55	75	90	105	PST60-690-70	1SFA 895 006 R7000	5.0
59	80	110	124	PST72-690-70	1SFA 895 007 R7000	5.0
75	90	132	147	PST85-690-70	1SFA 895 008 R7000	11.2
90	110	160	181	PST105-690-70	1SFA 895 009 R7000	13.0
132	160	220	245	PST142-690-70	1SFA 895 010 R7000	13.0
160	200	257	300	PST175-690-70	1SFA 895 011 R7000	21.5
184	250	315	360	PST210-690-70	1SFA 895 012 R7000	21.5
220	295	400	430	PST250-690-70	1SFA 895 013 R7000	23.0
257	355	500	515	PST300-690-70	1SFA 895 014 R7000	23.0

PSTB370...PSTB1050 with integrated by-pass

230 – 600 V

Supply voltage 100...250 V, 50/60 Hz

Motor power			Rated motor current, I_e	Type	Order code	Weight kg
400 V P_e kW	500 V P_e kW	690 V P_e kW				
355	450	-	640	PSTB370-600-70	1SFA 894 015 R7000	31.0
450	600	-	814	PSTB470-600-70	1SFA 894 016 R7000	31.0
475	625	-	987	PSTB570-600-70	1SFA 894 017 R7000	52.0
670	880	-	1247	PSTB720-600-70	1SFA 894 018 R7000	55.0
780	1000	-	1455	PSTB840-600-70	1SFA 894 019 R7000	60.0
875	1150	-	1810	PSTB1050-600-70	1SFA 894 020 R7000	60.0

400 – 690 V

Motor power

Supply voltage 100...250 V, 50/60 Hz

Motor power			Rated motor current, I_e	Type	Order code	Weight kg
400 V P_e kW	500 V P_e kW	690 V P_e kW				
355	450	600	640	PSTB370-690-70	1SFA 895 015 R7000	31.0
450	600	800	814	PSTB470-690-70	1SFA 895 016 R7000	31.0
475	625	860	987	PSTB570-690-70	1SFA 895 017 R7000	52.0
670	880	1200	1247	PSTB720-690-70	1SFA 895 018 R7000	55.0
780	1000	1400	1455	PSTB840-690-70	1SFA 895 019 R7000	60.0
875	1150	1590	1810	PSTB1050-690-70	1SFA 895 020 R7000	60.0

Accessories for PST30 ... 300 and PSTB370 ... 1050

Ordering details

Cable connectors for Al and Cu cables

For PST85...300 you need 9 pieces if also using the terminals B1, B2, B3 for external by-pass contactor.

For softstarter type	Wire range mm ²	Tightening torque max. Nm	Type	Order code	Pack ^{ing} piece	Weight kg 1 piece
PST85 ...142	6-120	16	-	1SDA 023 354 R0001	3	0.20
PST85 ...142	2 x (50-120)	16	LZ185-2C/120	1SFN 074 709 R1000	3	0.30
PST175 ...300	16-240	25	-	1SDA 023 368 R0001	3	0.40

Cable connectors for Al and Cu cables

For PST85...300 you need 9 pieces if also using the terminals B1, B2, B3 for external by-pass contactor.

For softstarter type	Wire range mm ²	Tightening torque max. Nm	Type	Order code	Pack ^{ing} piece	Weight kg 1 piece
PST85 ...142	35-95	13.5	-	1SDA 023 356 R0001	3	0.10
PST85 ...142	25-150	31	-	1SDA 023 357 R0001	3	0.10
PST175 ...300	120-240	43	-	1SDA 023 370 R0001	3	0.10

Terminal extensions

For softstarter type	Dimensions hole ø mm ²	bar mm	Type	Order code	Pack ^{ing} pieces	Weight kg 1 piece
PST85...142	10.5	20 x 5	LX300	1SFN 075 110 R1000	1	0.350
PST175...300	8.5	17.5 x 5	LX185	1SFN 074 710 R1000	1	0.250
PSTB370...470	10.5	25 x 5	LX400	1SFN 075 710 R1000	1	0.500
PSTB570...1050	13	40 x 6	LX750	1SFN 076 110 R1000	1	0.850

Terminal enlargements

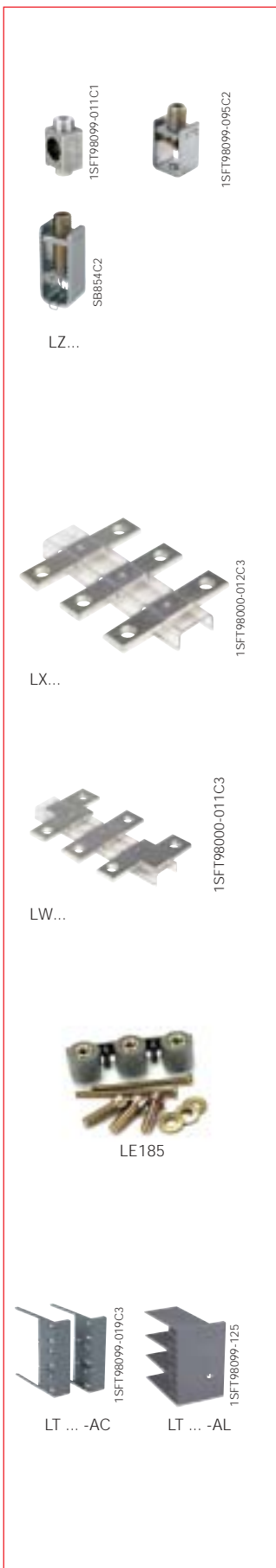
For softstarter type	Dimensions hole ø mm ²	bar mm	Type	Order code	Pack ^{ing} pieces	Weight kg 1 piece
PST30...72	6.5	15 x 3	LW110	1SFN 074 307 R1000	1	0.100
PST85...142	10.5	17.5 x 5	LW185	1SFN 074 707 R1000	1	0.250
PST175...300	10.5	20 x 5	LW300	1SFN 075 107 R1000	1	0.450
PSTB370...470	10.5	25 x 5	LW460	1SFN 075 707 R1000	1	0.730
PSTB570...1050	13	40 x 6	LW750	1SFN 076 107 R1000	1	1.230

Terminal nut washer

For softstarter type	Type	Order code	Pack ^{ing} piece	Weight kg 1 piece
PST85/147...142/245	LE185	1SFN 074 716 R1000	2	0.20
PST175/300...300/515	LE300	1SFN 075 116 R1000	2	0.30

Terminal shrouds

For softstarter type	Req. qty	Type	Order code	Pack ^{ing} pieces	Weight kg 1 piece
PST85...142	1 pcs and	LT185-AC	1SFN 124 701 R1000	2	0.050
	1 pcs	LT460-AC	1SFN 125 701 R1000	2	0.100
PST85...142	1 pcs and	LT185-AL	1SFN 124 703 R1000	2	0.220
	1 pcs	LT460-AL	1SFN 125 703 R1000	2	0.800
PST175...300	3 pcs	LT300-AC	1SFN 125 101 R1000	2	0.070
PST175...300	3 pcs	LT300-AL	1SFN 125 103 R1000	2	0.280
PSTB370...470	2 pcs	LT460-AC	1SFN 125 701 R1000	2	0.100
PSTB370...470	2 pcs	LT460-AL	1SFN 125 703 R1000	2	0.800
PSTB570...1050	2 pcs	LT750-AC	1SFN 126 101 R1000	2	0.120
PSTB570...1050	2 pcs	LT750-AL	1SFN 126 103 R1000	2	0.825





FBP FieldBusPlug

AS-i Fieldbus Connectors and Accessories

Orange cable



AS-i FieldBusPlug Performance

Ready-made AS-i Slave fieldbus interface with various cable lengths.

- Applicable on all FBP motor starters and devices with max. 4 input signals and 3 output signals
- Degree of protection IP65, diagnostic LED

Designation FieldBusPlug	Cable length	Type	Order code	Pack ^{ing} pieces	Weight kg 1 piece
AS-i Performance	0.25 m	ASP22-FBP.025	1SAJ 220 000 R0003	1	0.09
AS-i Performance	0.50 m	ASP22-FBP.050	1SAJ 220 000 R0005	1	0.10
AS-i Performance	1.00 m	ASP22-FBP.100	1SAJ 220 000 R0010	1	0.13
AS-i Performance	5.00 m	ASP22-FBP.500	1SAJ 220 000 R0050	1	0.36

Accessories for AS-i Bus Connection

AS-i Round Cable for Bus Junctions

Ready-made bus cable with an M12 connector and an open cable end.

- Application on bus junctions such as e.g. AS-i couplers or devices with an integrated AS-i interface

Designation	Cable length	Type	Order code	Pack ^{ing} pieces	Weight kg 1 piece
AS-i Round Cable with female connector	0.30 m	ASF11-FBP.030	1SAJ 922 002 R0003	1	0.04
AS-i Round Cable with male connector	0.30 m	ASM11-FBP.030	1SAJ 922 003 R0003	1	0.04

AS-i Round Cable for Bus Extension

Ready-made bus cable with M12 male and female connectors

Designation	Cable length	Type	Order code	Pack ^{ing} pieces	Weight kg 1 piece
AS-i Extension Cable	1.00 m	ASX11-FBP.100	1SAJ 922 001 R0010	1	0.08
AS-i Extension Cable	3.00 m	ASX11-FBP.300	1SAJ 922 001 R0030	1	0.20
AS-i Extension Cable	5.00 m	ASX11-FBP.500	1SAJ 922 001 R0050	1	0.31
AS-i Extension Cable	100 m	ASC11-FBP.999	1SAJ 922 004 R1000	1	5.60

AS-i Round Cable and Accessories for Bus Extension Bus cable and coupling accessories

Designation	Type	Order code	Pack ^{ing} pieces	Weight kg 1 piece
AS-i Round Cable, male conn.	ASM11-FBP.0	1SAJ 922 005 R0001	5	0.15
AS-i Round Cable, female conn.	ASF11-FBP.0	1SAJ 922 006 R0001	5	0.15
AS-i Flat-Cable Branch Circuit with M12 socket	AST11-FBP.0	1SAJ 922 007 R0001	1	0.15

AS-i Addressing Device, Power Unit, miscellaneous accessories

Designation FieldBusPlug	Type	Order code	Pack ^{ing} pieces	Weight kg 1 piece
AS-i Addr. Device, including plug-in power unit	ASA21-FBP.0	1SAJ 922 010 R0001	1	0.56
Power Unit PS 24V/5A, adjustable	Systron PS24/5	2 423 416 01	1	0.58
Address Signs for FieldBusPlug	CAL11-FBP.0	1SAJ 929 005 R0001	400	0.15



FBP FieldBusPlug

DeviceNet Fieldbus Connectors and Accessories



DeviceNet FieldBusPlug

Ready-made DeviceNet fieldbus interface with various cable lengths.

- Applicable on all FBP motor starters and other devices
- Degree of protection IP65, diagnostic LED

Designation	Cable length	Type	Order code	Pack ^{ing} pieces	Weight kg 1 piece
DeviceNet FieldBusPlug					
DeviceNet	0.25 m	DNP21-FBP.025	1SAJ 230 000 R0003	1	0.09
DeviceNet	0.50 m	DNP21-FBP.050	1SAJ 230 000 R0005	1	0.10
DeviceNet	1.00 m	DNP21-FBP.100	1SAJ 230 000 R0010	1	0.13
DeviceNet	5.00 m	DNP21-FBP.500	1SAJ 230 000 R0050	1	0.36

Accessories for the DeviceNet Bus Connector

DeviceNet round cable for bus junctions

Ready-made bus cable with an M12 connector and an open cable end.

- Application on bus junctions such as e.g. DeviceNet couplers or devices with an integrated DeviceNet interface

Designation	Cable length	Type	Order code	Pack ^{ing} pieces	Weight kg 1 piece
DeviceNet Round Cable with female connector	0.50 m	DNF11-FBP.050	1SAJ 923 002 R0005	1	0.04
DeviceNet Round Cable with male connector	0.50 m	DNM11-FBP.050	1SAJ 923 003 R0005	1	0.04

DeviceNet Round Cable for Bus Extension

Ready-made bus cable with M12 male and female connectors

Designation	Cable length	Type	Order code	Pack ^{ing} pieces	Weight kg 1 piece
DeviceNet Extension Cable	1.00 m	DNX11-FBP.100	1SAJ 923 001 R0010	1	0.08
DeviceNet Extension Cable	3.00 m	DNX11-FBP.300	1SAJ 923 001 R0030	1	0.20
DeviceNet Extension Cable	5.00 m	DNX11-FBP.500	1SAJ 923 001 R0050	1	0.31
Device Net Round Cable	100 m	DNC11-FBP.999	1SAJ 923 004 R0001	1	5.6

DeviceNet Round Cable and Accessories for Bus Extension

Bus cable and coupling accessories

Designation	Cable length	Type	Order code	Pack ^{ing} pieces	Weight kg 1 piece
Device Net Round Cable Male Connector		DNM11-FBP.0	1SAJ 923 005 R0001	5	0.15
Device Net Round Cable Female Connector		DNF11-FBP.0	1SAJ 923 006 R0001	5	0.15

Termination Resistor, Power Unit, Miscellaneous Accessories

Designation	Type	Order code	Pack ^{ing} pieces	Weight kg 1 piece
Device Net Termination Resistor, 120 Ohm	DNR11-FBP.120	1SAJ 923 007 R0001	1	0.02
Power Unit PS 24 V/5 A, adjustable	Systron PS24/5	2 423 416 01	1	0.58

To connect the PST Softstarter to a DeviceNet fieldbus system...

you need specific software for PLC set-up, (EDS file) which is available at www.abb.com/lowvoltage on the Softstarter pages. Look under the documentation-link named Software. If you need help or advice, please contact your local ABB office.





FBP FieldBusPlug

Profibus DP Fieldbus Connectors and Accessories

Lilac cable

Profibus DP FieldBusPlug

Ready-made Profibus DP fieldbus interface with various cable lengths.

- Applicable on all FBP motor starters and other devices
- Degree of protection IP65, diagnostic LED

Designation	Cable length	Type	Order code	Pack ^{ing} pieces	Weight kg
Profibus DP-FBP	0.25 m	PDP21-FBP.025	1SAJ 240 000 R0003	1	0.09
Profibus DP-FBP	0.50 m	PDP21-FBP.050	1SAJ 240 000 R0005	1	0.10
Profibus DP-FBP	1.00 m	PDP21-FBP.100	1SAJ 240 000 R0010	1	0.13
Profibus DP-FBP	5.00 m	PDP21-FBP.500	1SAJ 240 000 R0050	1	0.36

Accessories for the Profibus DP Bus Connector

Profibus DP Round Cable for Bus Junctions

Ready-made bus cable with an M12 connector and an open cable end.

- Application on bus junctions such as e.g. Profibus DB couplers or devices with an integrated Profibus DB interface

Designation	Cable length	Type	Order code	Pack ^{ing} pieces	Weight kg
Profibus DP Round Cable with female connector	0.50 m	PDF11-FBP.050	1SAJ 924 002 R0005	1	0.04
Profibus DP Round Cable with male connector	0.50 m	PDM11-FBP.050	1SAJ 924 003 R0005	1	0.04

Profibus DP Round Cable for Bus Extension

Ready-made bus cable with M12 male and female connectors

Designation	Cable length	Type	Order code	Pack ^{ing} pieces	Weight kg
Profibus DP Extension Cable	1.00 m	PDX11-FBP.100	1SAJ 924 001 R0010	1	0.08
Profibus DP Extension Cable	3.00 m	PDX11-FBP.300	1SAJ 924 001 R0030	1	0.20
Profibus DP Extension Cable	5.00 m	PDX11-FBP.500	1SAJ 924 001 R0050	1	0.31
Profibus DP Extension Cable	100 m	PDX11-FBP.500	1SAJ 924 001 R1000	1	5.60

Profibus DP Accessories for Bus Extension

Designation	Type	Order code	Pack ^{ing} pieces	Weight kg
Profibus DP Male Connector	PDM11-FBP.0	1SAJ 924 005 R0001	5	0.03
Profibus DP Female Connector	PDF11-FBP.0	1SAJ 924 006 R0001	5	0.03

Profibus DP Termination Resistor, Miscellaneous Accessories

Designation	Type	Order code	Pack ^{ing} pieces	Weight kg
Profibus DP Termination resistor, 120 ohm	PDR11-FBP.120	1SAJ 925 005 R0001	1	0.02

To connect the PST Softstarter to a Profibus DP fieldbus system...

you need specific software for PLC set-up, (GSD file) which is available at www.abb.com/lowvoltage on the Softstarter pages. Look under the documentation-link named Software. If you need help or advice, please contact your local ABB office.

