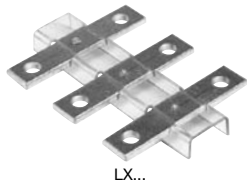


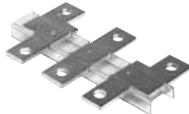
Accessories

PST30 - 300 and PSTB370 - 1050

Softstarters
Type PST



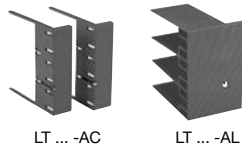
LX...



LW...



LE185



LT ... -AC

LT ... -AL

Terminal lug kits – Complete set

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

Wire range	For softstarter	Quantity	Catalog number	List price
#6 - 250 MCM (1 per phase)	PST85 - PST142	6 pcs (no by-pass)	PSLK-185	\$ 150
#4 - 400 MCM (1 per phase)	PST175 - PST300		PSLK-300	195
#4 - 500 MCM (2 per phase)	PST175 - PST300		PSLK-300/2	280
2/0 - 500 MCM (2 per phase)	PSTB370 - PSTB470		PSLK-580/2	350
2/0 - 500 MCM (3 per phase)	PSTB570 - PSTB1050		PSLK-750/3	525
#6 - 250 MCM (1 per phase)	PST85 - PST142	9 pcs (with by-pass)	PSLK-185-B	255
#4 - 400 MCM (1 per phase)	PST175 - PST300		PSLK-300-B	290
#4 - 500 MCM (2 per phase)	PST175 - PST300		PSLK-300/2-B	420

By-pass kits up to 300 A / 250 HP for external by-pass

Description	Catalog number	List price
PST By-pass kits consist of AC1-rated by-pass contactor correctly sized conductors with crimped lugs on units indicated. The PST30-50 do not need crimped lugs due to the "saddle" lugs provided with the softstarter	A26-M-PST30	\$ 175
	A26-M-PST37	250
	A30-M-PST44	300
	A40-M-PST50	350
	A50-M-PST72	400
	A50-M-PST85 ③	500
	A75-M-PST105 ③	550
	A110-M-PST142 ③	600
	A145-M-PST175 ③	950
	A145-M-PST210 ③	950
	A185-M-PST250 ③	1,250
	A260-M-PST300 ③	2,100

Terminal extensions

For Softstarter type	Dimensions hole ø mm ²	bar mm	Packing Piece	Reference code	Catalog number	List price
PST85...142 ④	8.5	17.5 x 5	1	1SFN 074 710 R1000	LX185	\$ 90
PST175...300 ⑤	10.5	20 x 5	1	1SFN 075 110 R1000	LX300	140
PSTB370...470	10.5	25 x 5	1	1SFN 075 710 R1000	LX460	195
PSTB570...1050	13	40 x 6	1	1SFN 076 110 R1000	LX750	225

Terminal enlargements

For Softstarter type	Dimensions hole ø mm ²	bar mm	Packing Piece	Reference code	Catalog number	List price
PST30...72 ④	6.5	15 x 3	1	1SFN 074 307 R1000	LW110	\$ 95
PST85...142 ⑤	10.5	17.5 x 5	1	1SFN 074 707 R1000	LW185	120
PST175...300	10.5	20 x 5	1	1SFN 075 107 R1000	LW300	130
PSTB370...470	10.5	25 x 5	1	1SFN 075 707 R1000	LW460	295
PSTB570...1050	13	40 x 6	1	1SFN 076 107 R1000	LW750	355

Terminal nut washer

For Softstarter type	Packing Piece	Reference code	Catalog number	List price
PST85...142 ①	2	1SFN 074 716 R1000	LE185	\$ 30
PST175...300 ②	2	1SFN 075 116 R1000	LE300	30

Terminal shrouds ⑥

For Softstarter type	Required quantity	Packing Piece	Reference code	Catalog number	List price
PST85...142	1 pc and	2	1SFN 124 701 R1000	LT185-AC	\$ 10
	1 pc	2	1SFN 125 701 R1000	LT460-AC	20
PST85...142	1 pc and	2	1SFN 124 703 R1000	LT185-AL	10
	1 pc	2	1SFN 125 703 R1000	LT460-AL	20
PST175...300 ①	3 pcs	2	1SFN 125 101 R1000	LT300-AC	10
PST175...300 ①	3 pcs	2	1SFN 125 103 R1000	LT300-AL	10
PSTB370...470	2 pcs	2	1SFN 125 701 R1000	LT460-AC	20
PSTB370...470	2 pcs	2	1SFN 125 703 R1000	LT460-AL	20
PSTB570...1050	2 pcs	2	1SFN 126 101 R1000	LT750-AC	20
PSTB570...1050	2 pcs	2	1SFN 126 103 R1000	LT750-AL	20

- ① Must order two sets if using bypass contactor.
- ② Use two sets on line side and one set on load side.
- ③ Crimped lugs
- ④ Only fits on the motor side
- ⑤ Use two sets of the accessories on the line side and one set on the motor side.
- ⑥ AL shrouds will not work on top with lugs nor will they work on bottom with nut holders. Order extended terminal shroud when using standard lugs. Cannot use extended shroud on 300/2, 580/2 & 750/3 lugs.

Accessories

PST30 - 300 and PSTB370 - 1050



PSTEK

External keypad including a 3m cable

For Softstarter type	Packing Piece	Reference code	Catalog number	List price
PST30...300 PSTB370...1050	1	1SFA 899 003 R1000	PSTEK	\$ 385

Marine kit

For Softstarter type	Packing Piece	Reference code	Catalog number	List price
PST85...142	1	1SFA 899 004 R1000	PSTM-2	\$ 150



PSTM-2

FBP FieldBusPlug

DeviceNet, MODBUS-RTU & CANopen fieldbus connectors

Softstarters
Type PST

6



DNP21-FBP
MRP21-FBP
COP21-FBP

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	Packing Piece	Reference code	Catalog number	List price
DeviceNet-FBP	0.25 m	1	DNP21-FBP.025	1SAJ230000R1003	\$ 345
DeviceNet-FBP	0.50 m	1	DNP21-FBP.050	1SAJ230000R1005	352
DeviceNet-FBP	1.00 m	1	DNP21-FBP.100	1SAJ230000R1010	359

MODBUS-RTU FieldBusPlug

Ready-made MODBUS-RTU fieldbus interface with various cable lengths.

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

Designation	Cable length	Packing Piece	Reference code	Catalog number	List price
MODBUS-RTU-FBP	0.25 m	1	MRP21-FBP.025	1SAJ250000R0003	\$ 440
MODBUS-RTU-FBP	0.50 m	1	MRP21-FBP.050	1SAJ250000R0005	447
MODBUS-RTU-FBP	1.00 m	1	MRP21-FBP.100	1SAJ250000R0010	454

CANopen FieldBusPlug

Ready-made CANopen fieldbus interface with various cable lengths.

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

Designation	Cable length	Packing Piece	Reference code	Catalog number	List price
CANopen-FBP	0.25 m	1	COP21-FBP.025	1SAJ230100R1003	\$ 335
CANopen-FBP	0.50 m	1	COP21-FBP.050	1SAJ230100R1005	342
CANopen-FBP	1.00 m	1	COP21-FBP.100	1SAJ230100R1010	348

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

DeviceNet, MODBUS-RTU & CANopen fieldbus connectors

Accessories for the DeviceNet, MODBUS-RTU and CANopen Bus Connector

DeviceNet, MODBUS-RTU and CANopen Round Cable for Bus Junctions

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

Designation	Cable length	Packing Piece	Reference code	Catalog number	List price
Round Cable with female connector	0.50 m	1	DNF11-FBP.050	1SAJ923002R0005	\$ 41
Round Cable with male connector	0.50 m	1	DNM11-FBP.050	1SAJ923003R0005	41



DNF11-FBP.050



DNM11-FBP.050



DNX11-FDP

DeviceNet, MODBUS-RTU and CANopen Round Cable for Bus Extension

Ready-made bus cable with M12 male and female connectors

Designation	Cable length	Packing Piece	Reference code	Catalog number	List price
Extension Cable	1.00 m	1	DNX11-FBP.100	1SAJ923001R0010	\$ 57
Extension Cable	3.00 m	1	DNX11-FBP.300	1SAJ923001R0030	94
Extension Cable	5.00 m	1	DNX11-FBP.500	1SAJ923001R0050	121
Round Cable	100 m	1	DNC11-FBP.999	1SAJ923004R1000	1,246

DeviceNet, MODBUS-RTU and CANopen Round Cable and Accessories for Bus Extension

Bus cable and coupling accessories

Designation	Cable length	Packing Piece	Reference code	Catalog number	List price
Round Cable with male connector		5	DNM11-FBP.0	1SAJ923005R0001	\$ 21
Round Cable with female connector		5	DNF11-FBP.0	1SAJ923006R0001	21



DNM11-FBP.0

DNF11-FBP.0



DNR11-FBP.120

DeviceNet, MODBUS-RTU and CANopen Termination Resistor, Miscellaneous Accessories

Designation	Packing Piece	Reference code	Catalog number	List price
Termination Resistor, 120 Ohm	1	DNR11-FBP.120	1SAJ923007R0001	\$ 35

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/V0 and DP/V1 fieldbus connectors

Softstarters
Type PST



PDP22-FBP



PDQ22-FBP

Profibus DP/V0 and DP/V1 FieldBusPlug

Ready-made Profibus DP/V1 fieldbus interface with various cable lengths.

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

Designation	Cable length	Packing Piece	Reference code	Catalog number	List price
Profibus DP/V1-FBP	0.25 m	1	PDP22-FBP.025	1SAJ240100R1003	\$ 536
Profibus DP/V1-FBP	0.50 m	1	PDP22-FBP.050	1SAJ240100R1005	543
Profibus DP/V1-FBP	1.00 m	1	PDP22-FBP.100	1SAJ240100R1010	550
Profibus DP/V1-FBP	2.00 m	1	PDP22-FBP.200	1SAJ240100R1020	560
Profibus DP/V1-FBP	5.00 m	1	PDP22-FBP.500	1SAJ240100R1050	576

PDP21 is replaced by PDP22.

6

4 x Profibus DP/V0 and DP/V1 FieldBusPlug

PDQ22 is a member of the ABB FieldBusPlug family of bus connectors. It allows the connection of up to four devices to Profibus DP by just using one Profibus node access. This allows a cost efficient device integration for devices that are located physically nearby. PDQ22 supports DP-V0 and DP-V1. The degree of protection is IP66. There are separate diagnosis LEDs for bus and device status.

Note that the accessory PDQ22-FBP only works with the PSR and not with the PST(B) softstarter.

Designation	Packing Piece	Reference code	Catalog number	List price
Quadruple bus connector	1	PDQ22-FBP	1SAJ240200R0050	\$ 948

Extension cable

Designation	Cable Length	Packing Piece	Reference code	Catalog number	List price
Extension cable (female/male), shielded	1.5 m	1	CDP15-FBP.150	1SAJ929140R0015	\$ 49
Extension cable (male/open), shielded	1.5 m	1	CDP16-FBP.150	1SAJ929150R0015	32

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.

PDP21 is replaced by PDP22.

Use PDP22 with the GSD-file Abb_082d.gsd regardless if the PLC is a DP/V0 or DP/V1.

FBP FieldBusPlug

Profibus DP/V0 and DP/V1 fieldbus accessories

Accessories for the Profibus DP/V0 and DP/V1 Bus Connector

Profibus DP/V0 and DP/V1 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	Packing Piece	Reference code	Catalog number	List price
Round Cable with female connector	0.50 m	1	PDF11-FBP.050	1SAJ924002R0005	\$ 41
Round Cable with female connector	0.50 m	1	PDM11-FBP.050	1SAJ924003R0005	41

Profibus DP/V0 and DP/V1 Round Cable for Bus Extension

Ready-made bus cable with M12 male and female connectors

Designation	Cable length	Packing Piece	Reference code	Catalog number	List price
Extension Cable	1.00 m	1	PDX11-FBP.100	1SAJ924001R0010	\$ 67
Extension Cable	3.00 m	1	PDX11-FBP.300	1SAJ924001R0030	88
Extension Cable	5.00 m	1	PDX11-FBP.500	1SAJ924001R0050	108
Round Cable	100 m	1	PDC11-FBP.999	1SAJ924004R1000	1,246

Profibus DP/V0 and DP/V1 Accessories for Bus Extension

Designation	Packing Piece	Reference code	Catalog number	List price
Male Connector	5	PDM11-FBP.0	1SAJ924005R0001	\$ 34
Female Connector	5	PDF11-FBP.0	1SAJ924006R0001	34

Profibus DP/V0, DP/V1 Termination Resistor, Miscellaneous Accessories

Ready-made bus cable with M12 male and female connectors

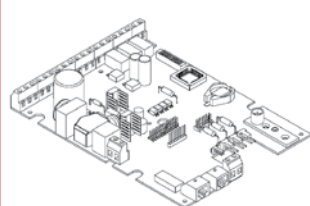
Designation	Cable Length	Packing Piece	Reference code	Catalog number	List price
Termination resistor, 150 ohm	-	1	PDR11-FBP.150	1SAJ924007R0001	\$ 228
Feeding connector 24V DC Code B-A	-	1	PDV11-FBP.0	1SAJ924008R0001	189
Feeding connector 24V DC Code A-A	-	1	PDV12-FBP.0	1SAJ924011R0001	188
Adaptor M12-Dsub9-M12	0.50 m	1	PDA11-FBP.050	1SAJ924009R0005	192
Adaptor M12-Dsub9-M12	2 x 0.50 m	1	PDA12-FBP.050	1SAJ924010R0005	202

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

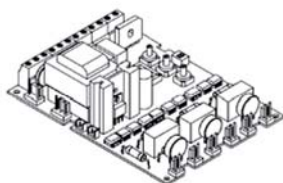
you need specific software for PLC set-up, (GSD file) which is available at www.abb.com/lowvoltage on the Softstarter pages. Look under the documentation-link named Software. If you need help or advice, please contact your local ABB office.

Replacement parts

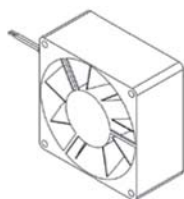
Softstarters
Type PST



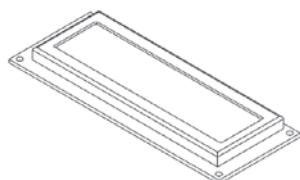
PSPCB-LV/T



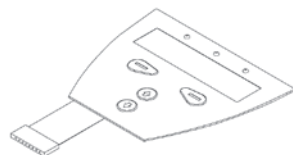
PSPCB-690/T



PSFA-024



PSDP-1



PSKP-1

Low voltage circuit board

Softstarter type	Reference code	Catalog number	List price
PST30... 300 PSTB370... 1050	1SFA899020R7000	PSPCB-LV/T	\$ 1,200
PST30-T... 300-T ① PSTB370-T... 1050-T ①	1SFA899020R7020	PSPCB-LV/T-T	1,500

High voltage circuit board

Softstarter type	Reference code	Catalog number	List price
PST30... 300 PSTB370... 1050	1SFA899020R7690	PSPCB-690/T	\$ 475
PST30-T... 300-T ① PSTB370-T... 1050-T ①	1SFA899020R7691	PSPCB-690/T-T	775

6

Cooling fans

Softstarter type	Voltage	Reference code	Catalog number	List price
PST30... 72	500/690 V	1SFA899015R7024	PSFA-024	80
PST85... 142	500/690 V	1SFA899015R7224	PSFA-224	95
PST175... 300	500/690 V	1SFA899015R7224	PSFA-224	95
PSTB370... 1050	500/690 V	1SFA899015R7224	PSFA-224	95

Display

Softstarter type	Reference code	Catalog number	List price
PST30... 300 PSTB370... 1050	1SFA899017R1000	PSDP-1	\$ 110

Keypad

Softstarter type	Reference code	Catalog number	List price
PST30... 300 PSTB370... 1050	1SFA899018R1000	PSKP-1	\$ 80

① Printed circuit board with conformal coating.

Replacement parts

Thyristors

Softstarter type	Pieces per softstarter unit	Reference code	Catalog number	List price each
PST30	3	1SFA899010R1042	PSTM-42/16	\$ 85
PST37		1SFA899010R1057	PSTM-57/16	95
PST44		1SFA899010R1092	PSTM-92/16	110
PST50		1SFA899010R1092	PSTM-92/16	110
PST60		1SFA899010R1132	PSTM-132/16	210
PST72		1SFA899010R1172	PSTM-172/16	220
PST85		1SFA899010R1172	PSTM-172/16	220
PST105		1SFA899010R1210	PSTM-210/16	410
PST142		1SFA899010R1250	PSTM-250/16	420
PST175		1SFA899010R1250	PSTM-250/16	420
PST210		1SFA899010R1330	PSTM-330/16	515
PST250		1SFA899010R1500	PSTM-500/16	750
PST300		1SFA899010R1500	PSTM-500/16	750
PSTB370	6	1SFA899010R1280	PSTP-280/16	245
PSTB470		1SFA899010R1370	PSTP-370/16	370
PSTB570		1SFA899010R1370	PSTP-370/16	370
PSTB720		1SFA899010R1540	PSTP-540/16	545
PSTB840		1SFA899010R1600	PSTP-600/16	716
PSTB1050		1SFA899010R1990	PSTP-990/16	1,140

Kit for changing thyristors ①

Softstarter type	Remarks	Reference code	Catalog number	List price
PST30... 300	Sufficient for replacing 10 thyristor blocks	1SFA899012R1001	PSPB-1	\$ 130
PSTB370... 1050	Sufficient for replacing 20 thyristor discs	1SFA899012R1002	PSPB-2	210

HMI Module

Softstarter type	Reference code	Catalog number	List price
PST30... 300	1SFA899019R7001	PSHMI-1	\$ 1,380
PSTB370... 1050	1SFA899019R7002	PSHMI-2	1,925
PST30T... 300-T	1SFA899019R7021	PSHMI-1-T	1,680
PSTB370-T... 1050-T ②	1SFA899019R7022	PSHMI-2-T	2,225

① Heat transfer solution.
② Conformal coated units.