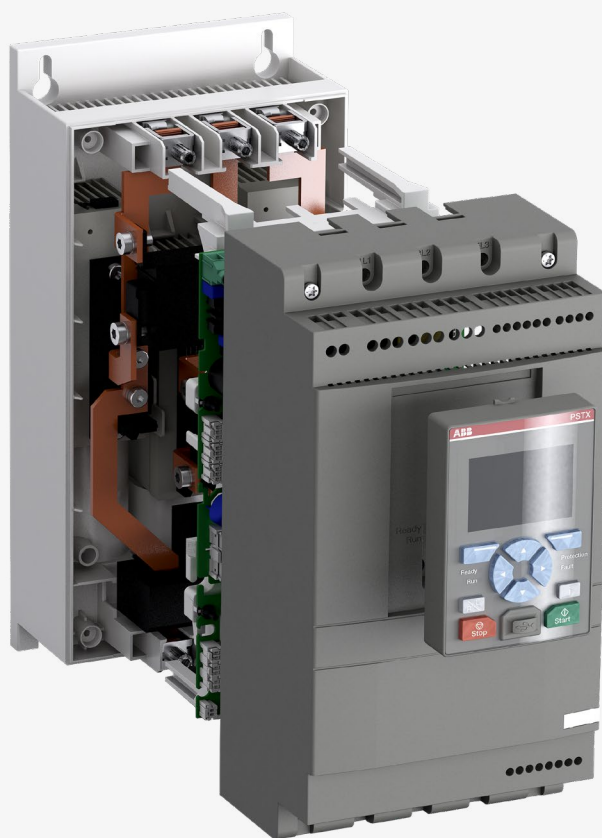


CATALOG

# Softstarter spare parts

## Type PSTX, PSE



—  
**The softstarters from ABB normally don't require any maintenance more than to brush off dust when needed.**

**However, some components might break down due to external factors. In this case, this catalog will be your guide to select spare parts.**

**Here you will find all the main parts available, also including the HMI and plastic covers etc.**

**We recommend using an ABB certified partner for the service.**

---

# Contents

<b>04</b>	<b>Service for softstarters</b>
<b>06</b>	<b>PSTX softstarter</b>
<b>12</b>	<b>PSE softstarter</b>
<b>15</b>	<b>How to identify and order spare parts</b>
<b>16</b>	<b>Extended warranty</b>

# Service for softstarters

## Motor starting matters



ABB's softstarters increase a motor's lifetime by protecting it from electrical stresses. They do so by letting you optimize starting currents that with conventional starting methods put lots of stress on the motor. With many built-in motor protection features, your motor is safe in its hands. ABB's softstarters are also installation-friendly and can cut your assembly and startup time by being easy to use and easy to learn.

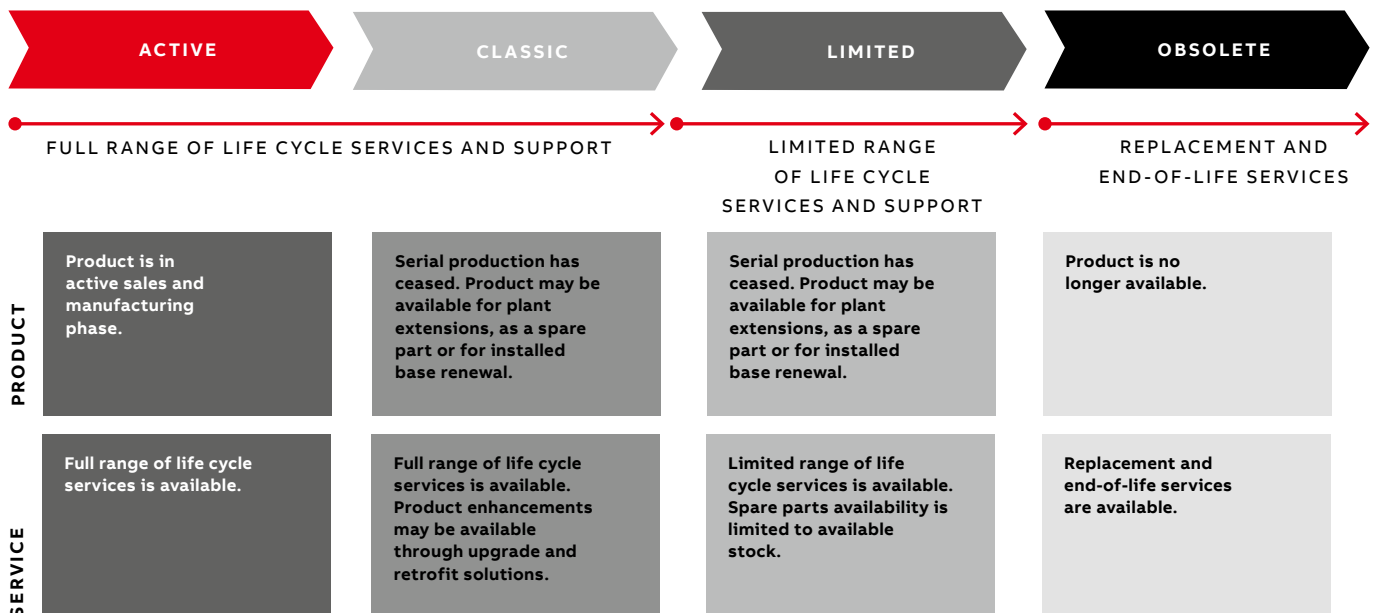
With everything that you need in one unit, from bypass contactor to overload protection, a single softstarter makes for a compact and complete starting solution. Furthermore, with many application specific features, ABB's softstarters can ultimately help you increase productivity. Torque control, pump cleaning and many more features let you do more than simply softstarting.



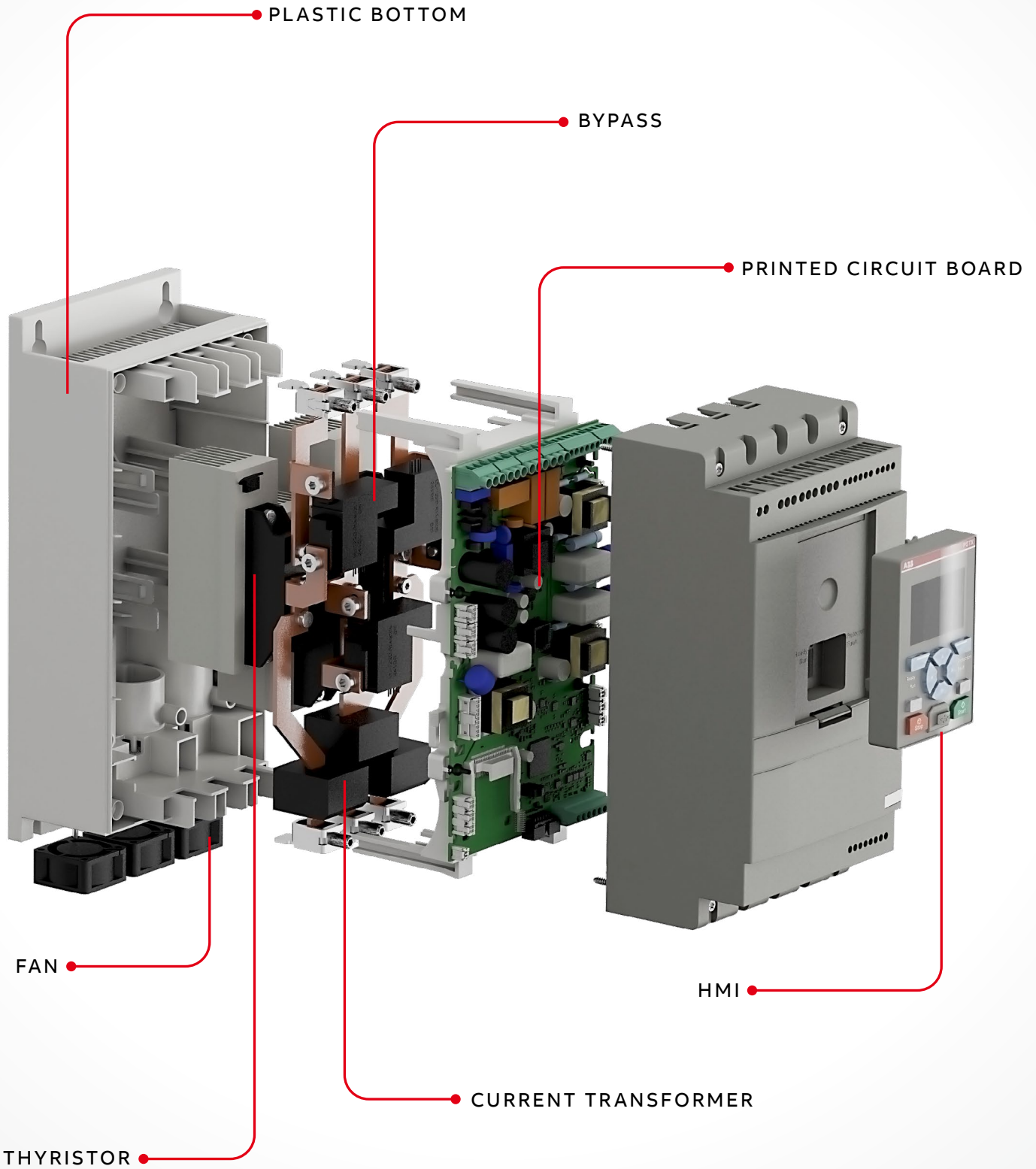
For more manuals and marketing materials scan the QR code or visit:  
[solutions.abb/softstarter-manuals](https://solutions.abb/softstarter-manuals)

You're in control of every life cycle phase of your softstarter. This table defines the services recommended and available throughout softstarter lifespan.

- Secure motor reliability
- Improve installation efficiency
- Increase application productivity



# PSTX softstarter



## PSTX softstarter

### Spare parts

#### HMI



PSDKP-1

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
HMI module <sup>1)</sup>	PSTX30 ... PSTX1250	PSDKP-1	1SFA899319R1001	1	1	0.33	
HMI spare part kit <sup>2)</sup>	PSTX30 ... PSTX1250	PSACC-1	1SFA899320R1001	1	1	0.14	

<sup>1)</sup>Including RJ45 connector, keypad unit and manual

<sup>2)</sup>Including RJ45 connector, RJ45 cable, anybus connection cover, HMI gasket and nut, and rubber cover for HMI front.

Note: please read more in this document 1SFC132098M0201

#### USB cable for PSTX-PC connection



PSCA-1

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
Cable	PSTX30 ... PSTX1250	PSCA-1	1SFA899314R1001	1	1	0.05	

#### Printed circuit board



PSPCB

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
Control board 1	PSTX30...PSTX170	PSPCB-CB-1	1SFA899301R1007	1	1	0.65	
Control board 2	PSTX210...PSTX370	PSPCB-CB-2	1SFA899301R1008	1	1	0.66	
Control board 3	PSTX470...PSTX1250	PSPCB-CB-3	1SFA899301R1009	1	1	0.67	

#### Cooling fan



PSFA

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
Cooling fan	PSTX30...PSTX105	PSFA-40	1SFA899215R1040	3	1	0.03	
Cooling fan	PSTX142...PSTX170	PSFA-60	1SFA899215R1060	3	1	0.06	
Cooling fan	PSTX210...PSTX370	PSFA-80	1SFA899215R1080	3	1	0.07	
Cooling fan	PSTX470...PSTX1250	PSFA-80-1	1SFA899315R1080	4	1	0.09	

Pcs/unit: The amount that is required for one softstarter  
Pkg qty: The amount that is delivered per type code

## PSTX softstarter

### Spare parts

#### Side plate



PSSP-1

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
Side plate	PSTX470...PSTX570	PSSP-1	1SFA899304R1001	2	1	0.64	
Side plate	PSTX720...PSTX840	PSSP-2	1SFA899304R1002	2	1	1.17	
Side plate	PSTX1050...PSTX1250	PSSP-3	1SFA899304R1003	2	1	1.17	

#### End plate (Top plate)



PSEP-1

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
End plate	PSTX470...PSTX570	PSEP-1	1SFA899305R1001	1	1	0.17	
End plate	PSTX720...PSTX840	PSEP-2	1SFA899305R1002	1	1	0.32	
End plate	PSTX1050...PSTX1250	PSEP-3	1SFA899305R1003	1	1	0.36	

#### Fan plate



PSFP-1

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
Fan plate	PSTX470...PSTX570	PSFP-1	1SFA899306R1001	1	1	0.15	
Fan plate	PSTX720...PSTX840	PSFP-2	1SFA899306R1002	1	1	0.29	
Fan plate	PSTX1050...PSTX1250	PSFP-3	1SFA899306R1003	1	1	0.34	

#### Stays



PSSY-1

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
Stay	PSTX470...PSTX840	PSSY-1	1SFA899307R1840	2	1	0.13	
Stay	PSTX1050...PSTX1250	PSSY-2	1SFA899307R2250	2	1	0.15	

Pcs/unit: The amount that is required for one softstarter  
Pkg qty: The amount that is delivered per type code

## PSTX softstarter

### Spare parts

#### Plastic bottom



PSEB-1

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
Plastic bottom	PSTX30...PSTX105	PSEB-1	1SFA899308R1001	1	1	1.27	
Plastic bottom	PSTX142...PSTX170	PSEB-2	1SFA899308R1002	1	1	1.90	
Plastic bottom	PSTX210...PSTX370	PSEB-3	1SFA899308R1003	1	1	3.67	

#### Bar holder



PSCBH-1

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
Circuit board bar holder	PSTX30...PSTX105	PSCBH-1	1SFA899312R1001	1	1	0.45	
Circuit board bar holder	PSTX142...PSTX170	PSCBH-2	1SFA899312R1002	1	1	0.62	
Circuit board bar holder	PSTX210...PSTX370	PSCBH-3	1SFA899312R1003	1	1	0.74	
Circuit board bar holder	PSTX470...PSTX1250	PSCBH-4	1SFA899312R1004	1	1	0.57	
Bar Holder	PSTX470...PSTX570	PSBH-5	1SFA899313R1005	2	1	0.84	
Bar holder	PSTX720...PSTX1250	PSBH-6	1SFA899313R1006	2	1	0.82	

#### Bypass relay and contactor



PSBP-120

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
Bypass relay and contactor	PSTX30...PSTX105	PSBP-120	1SFA899201R1120	3	1	0.17	
Bypass relay and contactor	PSTX142...PSTX170	PSBP-200	1SFA899201R1200	2	1	0.33	
Bypass relay and contactor	PSTX210...PSTX370	PSBP-205	1SFA899301R1250	1	1	1.57	
Bypass relay and contactor	PSTX470...PSTX570	PSBP-370	1SFA899301R1570	1	1	4.61	
Bypass relay and contactor	PSTX720...PSTX1050	PSBP-750	1SFA899301R1750	1	1	15.0	
Bypass relay and contactor	PSTX1250	PSBP-1250	1SFA899301R2250	1	1	15.0	

#### Current transformers



PSCT-570

Description	Ratio	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
Current transformer	105/0.025	PSTX30...PSTX105	PSCT-105	1SFA899302R1105	3	1	0.12	
Current transformer	175/0.025	PSTX142...PSTX170	PSCT-175	1SFA899302R1175	3	1	0.16	
Current transformer	370/0.200	PSTX210...PSTX370	PSCT-370	1SFA899302R1370	3	1	0.25	
Current transformer	570/0.200	PSTX470...PSTX570	PSCT-570	1SFA899302R1570	3	1	0.42	
Current transformer	840/0.200	PSTX720...PSTX840	PSCT-840	1SFA899302R1840	3	1	0.45	
Current transformer	1250/0.200	PSTX1050...PSTX1250	PSCT-1250	1SFA899302R2250	3	1	0.73	

Pcs/unit: The amount that is required for one softstarter  
Pkg qty: The amount that is delivered per type code

## PSTX softstarter

### Spare parts

#### Terminal kit



Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
Terminal kit	PSTX142...PSTX170	PSLE-185	1SFA899221R1002	2	2	0.20	
Terminal kit	PSTX210...PSTX370	PSLE-300	1SFA899221R1003	2	2	0.20	
Terminal kit	PSTX470...PSTX570	PSLE-460	1SFA899221R1004	6	6	0.56	
Terminal kit	PSTX720...PSTX1250	PSLE-750	1SFA899221R1005	6	6	0.68	

PSLE-185

#### Cleaning kit



Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
Sufficient for replacing 10 thyristor blocks <sup>1)</sup>	PSTX30 ... PSTX370	PSPB-1	1SFA899012R1001	1	1	0.05	
Sufficient for replacing 20 thyristor disc <sup>2)</sup>	PSTX470 ... PSTX1250	PSPB-2	1SFA899012R1002	1	1	0.05	

<sup>1)</sup> The kit contains: Heat conducting paste tube ELFA NO 80-860-27 and instructions.

<sup>2)</sup> The kit contains: 25 ml Silicon oil, 1 pc Abrasive cloth, 2 pc Lint free paper, instructions.

PSPB-1

Pcs/unit: The amount that is required for one softstarter  
Pkg qty: The amount that is delivered per type code

## PSTX softstarter

### Spare parts

#### Thyristor (SCR)

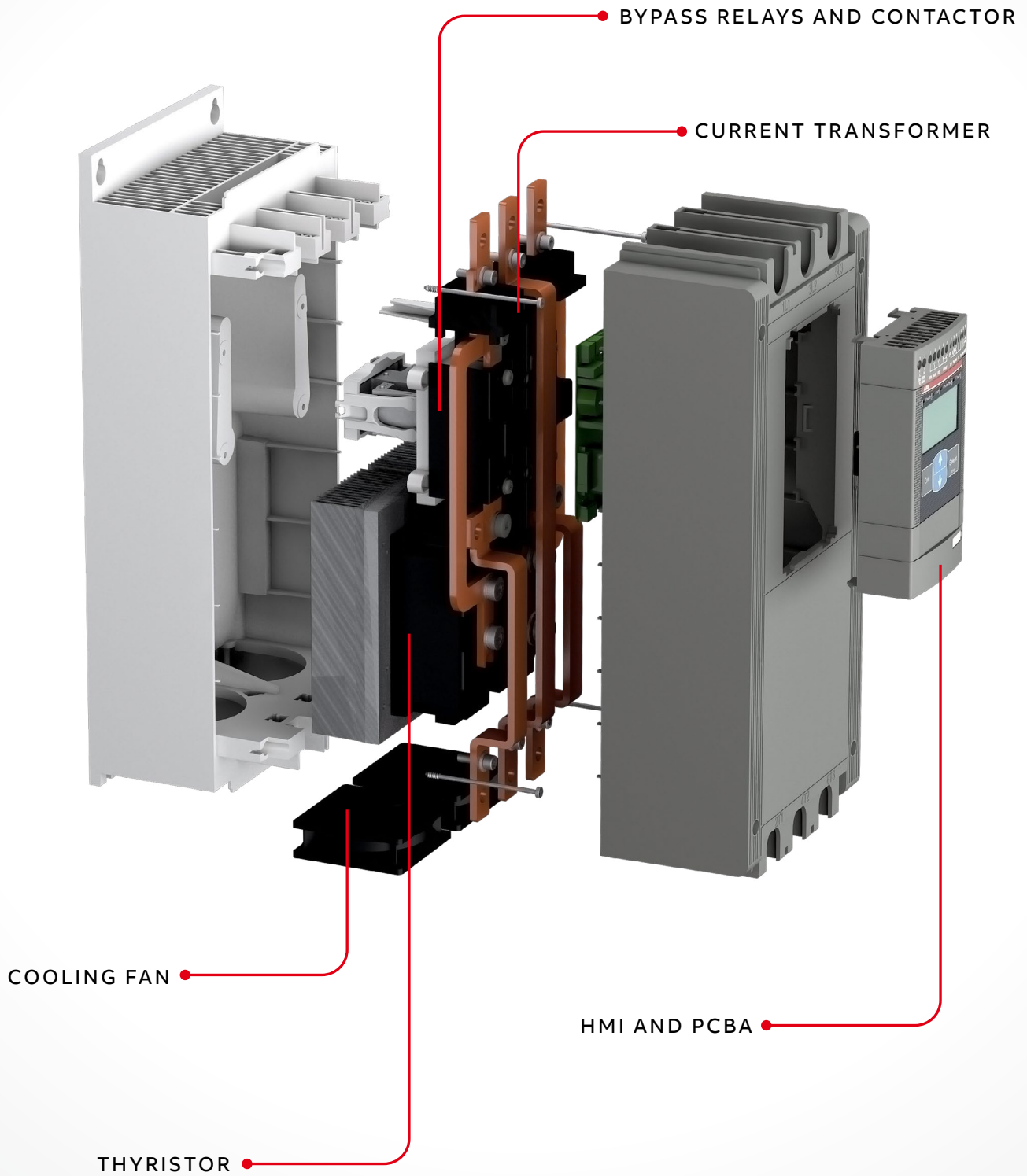


Thyristors

Description	Main voltage	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
Thyristor (SCR)	<= 600 V	PSTX30	PSTHM-44/16	1SFA899210R1044	3	1	0.25	
Thyristor (SCR)	<= 600 V	PSTX37	PSTHM-56/16	1SFA899210R1056	3	1	0.25	
Thyristor (SCR)	<= 600 V	PSTX45	PSTHM-95/16	1SFA899210R1095	3	1	0.25	
Thyristor (SCR)	<= 600 V	PSTX60	PSTHM-95/16	1SFA899210R1095	3	1	0.25	
Thyristor (SCR)	<= 600 V	PSTX72	PSTHM-132/16	1SFA899210R1132	3	1	0.33	
Thyristor (SCR)	<= 600 V	PSTX85	PSTHM-132/16	1SFA899210R1132	3	1	0.33	
Thyristor (SCR)	<= 600 V	PSTX105	PSTHM-162/16	1SFA899210R1162	3	1	0.33	
Thyristor (SCR)	<= 600 V	PSTX142	PSTHM-200/16	1SFA899210R1200	3	1	0.33	
Thyristor (SCR)	<= 600 V	PSTX170	PSTHM-312/16	1SFA899210R1312	3	1	0.84	
Thyristor (SCR)	<= 600 V	PSTX210	PSTHM-312/16	1SFA899210R1312	3	1	0.84	
Thyristor (SCR)	<= 600 V	PSTX250	PSTHM-501/16	1SFA899210R1501	3	1	1.50	
Thyristor (SCR)	<= 600 V	PSTX300	PSTHM-501/16	1SFA899210R1501	3	1	1.50	
Thyristor (SCR)	<= 600 V	PSTX370	PSTHM-501/16	1SFA899210R1501	3	1	1.50	
Thyristor (SCR)	<= 600 V	PSTX470	PSTP-1880/16	1SFA899211R2880	6	2	0.51	
Thyristor (SCR)	<= 600 V	PSTX570	PSTP-2280/16	1SFA899211R3280	6	2	0.64	
Thyristor (SCR)	<= 600 V	PSTX720	PSTP-2880/16	1SFA899211R3880	6	2	0.65	
Thyristor (SCR)	<= 600 V	PSTX840	PSTP-3360/16	1SFA899211R4360	6	2	0.66	
Thyristor (SCR)	<= 600 V	PSTX1050	PSTP-4200/16	1SFA899211R5200	6	2	1.18	
Thyristor (SCR)	<= 600 V	PSTX1250	PSTP-5000/16	1SFA899211R6000	6	2	1.08	
Thyristor (SCR)	<= 690 V	PSTX30	PSTHM-44/18	1SFA899311R1044	3	1	0.25	
Thyristor (SCR)	<= 690 V	PSTX37	PSTHM-56/18	1SFA899311R1056	3	1	0.25	
Thyristor (SCR)	<= 690 V	PSTX45	PSTHM-95/18	1SFA899311R1095	3	1	0.25	
Thyristor (SCR)	<= 690 V	PSTX60	PSTHM-95/18	1SFA899311R1095	3	1	0.25	
Thyristor (SCR)	<= 690 V	PSTX72	PSTHM-132/18	1SFA899311R1132	3	1	0.33	
Thyristor (SCR)	<= 690 V	PSTX85	PSTHM-132/18	1SFA899311R1132	3	1	0.33	
Thyristor (SCR)	<= 690 V	PSTX105	PSTHM-162/18	1SFA899311R1162	3	1	0.33	
Thyristor (SCR)	<= 690 V	PSTX142	PSTHM-200/18	1SFA899311R1200	3	1	0.33	
Thyristor (SCR)	<= 690 V	PSTX170	PSTHM-312/18	1SFA899311R1312	3	1	0.84	
Thyristor (SCR)	<= 690 V	PSTX210	PSTHM-312/18	1SFA899311R1312	3	1	0.84	
Thyristor (SCR)	<= 690 V	PSTX250	PSTHM-501/18	1SFA899311R1501	3	1	1.50	
Thyristor (SCR)	<= 690 V	PSTX300	PSTHM-501/18	1SFA899311R1501	3	1	1.50	
Thyristor (SCR)	<= 690 V	PSTX370	PSTHM-501/18	1SFA899311R1501	3	1	1.50	
Thyristor (SCR)	<= 690 V	PSTX470	PSTP-1880/18	1SFA899311R2880	6	2	0.46	
Thyristor (SCR)	<= 690 V	PSTX570	PSTP-2280/18	1SFA899311R3280	6	2	0.64	
Thyristor (SCR)	<= 690 V	PSTX720	PSTP-2880/18	1SFA899311R3880	6	2	0.65	
Thyristor (SCR)	<= 690 V	PSTX840	PSTP-3360/18	1SFA899311R4360	6	2	0.66	
Thyristor (SCR)	<= 690 V	PSTX1050	PSTP-4200/18	1SFA899311R5200	6	2	1.18	
Thyristor (SCR)	<= 690 V	PSTX1250	PSTP-5000/18	1SFA899311R6000	6	2	1.08	

Pcs/unit: The amount that is required for one softstarter  
Pkg qty: The amount that is delivered per type code

# PSE softstarter



## PSE softstarter

### Spare parts

#### HMI and PCBA



PSEHMI-1

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
HMI and PCBA	PSE18 ... PSE105	PSEHMI-1	1SFA899219R7001	1	1	0.56	
HMI and PCBA	PSE142 ... PSE170	PSEHMI-2	1SFA899219R7002	1	1	0.56	
HMI and PCBA	PSE210 ... PSE370 <sup>1)</sup>	PSEHMI-3	1SFA899219R7003	1	1	0.56	
HMI and PCBA	PSE210... PSE370 <sup>2)</sup>	PSEHMI-4	1SFA899219R7004	1	1	0.56	

<sup>1)</sup> For PSE frame C Gen1 with article number: 1SFA89711XR7000

<sup>2)</sup> For PSE frame C Gen2 with article number: 1SFA89711XR7001

#### Cooling fan



PSFA-40

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
Cooling fan	PSE18 ... PSE105	PSFA-40	1SFA899215R1040	2	1	0.03	
Cooling fan	PSE142 ... PSE170	PSFA-60	1SFA899215R1060	2	1	0.06	
Cooling fan	PSE210 ... PSE370	PSFA-80	1SFA899215R1080	2	1	0.07	

#### Bypass relays and contactors



PSBP-120

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
Bypass relays and contactors	PSE18 ... PSE105	PSBP-120	1SFA899201R1120	2	1	0.09	
Bypass relays and contactors	PSE142 ... PSE170	PSBP-200	1SFA899201R1200	1	1	0.33	
Bypass relays and contactors	PSE210 ... PSE370 <sup>1)</sup>	AF110-30-00 <sup>3)</sup>	1SFL457001R7000	2	1	2.10	
Bypass relays and contactors	PSE210 ... PSE370 <sup>2)</sup>	PSBP-205-1	1SFA899301R1260	1	1	1.39	

<sup>1)</sup> For PSE frame C Gen1 with article number: 1SFA89711XR7000

<sup>2)</sup> For PSE frame C Gen2 with article number: 1SFA89711XR7001

<sup>3)</sup> AF110 contactors are not available for sales due to discontinuation. Please use available contactor spare parts.

#### Accessories



PS-MBIA

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
USB-cable for PSE-PC connection	PSE18 ... PSE370	PSECA	1SFA897201R1001	1	1	0.13	
Terminal Extensions retrofit kit	PSE142 ... PSE170	LXR370	1SFA899222R1003	1	1	0.45	
Modbus adaptor	PSE210 ... PSE370	PS-MBIA	1SFA899300R1020	1	1	0.01	

Pcs/unit: The amount that is required for one softstarter  
Pkg qty: The amount that is delivered per type code

## PSE softstarter

### Spare parts

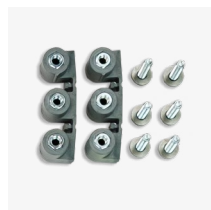
#### Thyristor (SCR)



PSTM-312/16  
thyristor

Description	Main voltage	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
Thyristor (SCR)	<= 600 V	PSE18	PSTHM-26/16	1SFA899210R1026	2	1	0.09	
Thyristor (SCR)	<= 600 V	PSE25	PSTHM-26/16	1SFA899210R1026	2	1	0.09	
Thyristor (SCR)	<= 600 V	PSE30	PSTHM-44/16	1SFA899210R1044	2	1	0.09	
Thyristor (SCR)	<= 600 V	PSE37	PSTHM-44/16	1SFA899210R1044	2	1	0.09	
Thyristor (SCR)	<= 600 V	PSE45	PSTHM-56/16	1SFA899210R1056	2	1	0.09	
Thyristor (SCR)	<= 600 V	PSE60	PSTHM-95/16	1SFA899210R1095	2	1	0.09	
Thyristor (SCR)	<= 600 V	PSE72	PSTHM-95/16	1SFA899210R1095	2	1	0.09	
Thyristor (SCR)	<= 600 V	PSE85	PSTHM-132/16	1SFA899210R1132	2	1	0.13	
Thyristor (SCR)	<= 600 V	PSE105	PSTHM-162/16	1SFA899210R1162	2	1	0.13	
Thyristor (SCR)	<= 600 V	PSE142	PSTHM-162/16	1SFA899210R1162	2	1	0.13	
Thyristor (SCR)	<= 600 V	PSE170	PSTHM-200/16	1SFA899210R1200	2	1	0.13	
Thyristor (SCR)	<= 600 V	PSE210	PSTHM-312/16	1SFA899210R1312	2	1	0.75	
Thyristor (SCR)	<= 600 V	PSE250	PSTHM-501/16	1SFA899210R1501	2	1	1.50	
Thyristor (SCR)	<= 600 V	PSE300	PSTHM-501/16	1SFA899210R1501	2	1	1.50	
Thyristor (SCR)	<= 600 V	PSE370	PSTHM-501/16	1SFA899210R1501	2	1	1.50	

#### Terminal kit



PSLE-185

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
Terminal kit	PSE18...PSE105	LD146-30	1SFN074208R1000	2	2	0.20	
Terminal kit	PSE142...PSE170	PSLE-185	1SFA899221R1002	2	2	0.20	
Terminal kit	PSE210...PSE370	PSLE-300	1SFA899221R1003	2	2	0.20	

#### Cleaning kit



PSPB-1

Description	For softstarter type	Type	Order code	Pcs/unit	Pkg qty	kg	Price
Sufficient for replacing 10 thyristor blocks <sup>1)</sup>	PSE18 ... PSE370	PSPB-1	1SFA899012R1001	1	1	0.05	

<sup>1)</sup> The kit contains: Heat conducting paste tube ELFA NO 80-860-27 and instructions.

# How to identify and order Spare parts

## Identify



Scan the QR code to access the list or visit: <https://to.abb/f3gjO1fMO>

All spare parts have a factory item code, starting with **1SFB**, printed directly on the component. Each factory item code corresponds to a **1SFA** order code, which is the code used for purchasing.

The table containing all relevant factory item codes and their corresponding order codes is available through the provided link and QR code. Please note that spare parts can only be ordered using order codes, not factory item codes.

## Order

Legend of the column titles	
<b>Description</b>	A short description of the spare part
<b>For softstarter type</b>	The softstarter type the spare part is intended for
<b>Type</b>	The type code of the part
<b>Order code</b>	The global catalog number
<b>Pcs/unit</b>	The amount that is required for one softstarter
<b>Pkg qty</b>	The amount that is delivered per type code
<b>Kg</b>	The total weight of the package
<b>Price</b>	Enter your local price
<b>Main voltage</b>	If this is specified, it means that the part can handle the specified voltage. Otherwise, it will be applicable for all softstarters for this particular model and size.

**Example 1:** The cooling fan with ID 1SFA899215R1040 and type code PSFA-40 is delivered as a single component. If all three should be replaced, please order 3 x 1SFA899215R1040

**Example 2:** The thyristors in a PSTX470 for 600 V need to be replaced. The pkg quantity is 2, and the pcs per softstarter required is 6. If all thyristors should be replaced, 3 x 1SFA899211R2880 should be ordered.



# Extended warranty

## For ABB Low Voltage products



Scan the QR code for more information or visit: <https://to.abb/HT70ludG>

### Extended warranty

Warranty for ABB Low Voltage control products, extending the standard factory warranty up to 3 years has never been this simple.

Request extended warranty activation after the online registration in the "Extended warranty tool."

This web tool verifies that the device's application is within the recommended guidelines and grants the product registration.

The customer can request the extended warranty during the standard warranty period of already purchased products.

The warranty covers any possible issues related to the product quality.

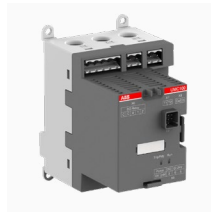
The extended warranty can be ordered by the following steps:

- 1 Go to the Extended warranty tool
- 2 Enter the product serial number in the "extended warranty tool" within the standard warranty period

01 AF Contactors > 100 A



02 UMC 100.3



03 Softstarters



04 CP-C.1 Power supplies



## Extended warranty timeline





—  
For more information, please contact  
your local ABB representative or visit:  
**[solutions.abb.com/softstarters](https://solutions.abb.com/softstarters)**

For more information about service visit:  
**<https://new.abb.com/low-voltage/service/service-for-low-voltage-products>**



To get more information,  
install QR code reader on  
your mobile device, scan the  
code and see more.