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Catalogue numbers to be used when ordering spare parts
Check if the softstarter unit is a 415V, 500 or 690V unit.
Check also with catalogue number the softstarter have.

1. Printed circuit boards

1.1 PS A

| Softstart Type | Main PCB <=415V 50Hz Cat. no | Main PCB <=415V 60Hz Cat. no | Main PCB <=500V 50Hz Cat. no | Main PCB <=500V 60Hz Cat. no |
|----------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| PS A18...30 | 1SFA 880167-A | 1SFA 880167-C | 1SFA 880167-B | 1SFA 880167-D |
| PS A45...60 | 1SFA 880167-A | 1SFA 880167-C | 1SFA 880167-B | 1SFA 880167-D |

1.2 PS D(H)

| Softstart Type | Main PCB <=415V Cat. no | Main PCB <=500V Cat. no | Electronic O V L For Softstarters with catalogue number PS D 1SFA88X 0XX-xxx PS DH 1SFA88X 1XX-xxx Cat. no | Electronic O V L For Softstarters with catalogue number PS D 1SFA88X 2XX-xxx PS DH 1SFA88X 3XX-xxx Cat. no |
|----------------|-------------------------------|-------------------------------|---|---|
| PS D75...175 | 1SFA 880168-A | 1SFA 880168-B | 1SFA 880169-AB | 1SFA 880169-AB |
| PS D210...840 | 1SFA 880168-A | 1SFA 880168-B | 1SFA 880169-AA | 1SFA 880169-AA |
| PS DH30...175 | 1SFA 880168-A | 1SFA 880168-B | 1SFA 880169-AC | 1SFA 880169-AC |
| PS DH210...720 | 1SFA 880168-A | 1SFA 880168-B | 1SFA 880169-AD | 1SFA 880169-AC |

1.3 PS D 690V

| Softstart Type | Control PCB Cat. no | High voltage PCB Cat. no |
|----------------|------------------------|-----------------------------|
| PS D370...840 | 1SFA 880165-A | 1SFA 880166-C |

For *PS D 690V* is the *Main PCB* split in two PCB, *Control PCB* and *High Voltage PCB*.

2. Thyristors for different sizes of Softstart

Check if the softstarter unit is a 415V, 500V or 690V unit.

2.1 For softstarter with catalogue number: 1SFA88X 0XX-xxx and 1SFA88X 1XX-xxx

| Softstart Type | pcs. per Softstart unit | Thyristor <=415V Cat. no | Thyristor <=500V Cat. no | Thyristor 690V Cat. no |
|----------------|-------------------------|--------------------------|--------------------------|------------------------|
| PS A18 | 3 | 1SFA 880010-A | 1SFA 880010-A | - |
| PS A30 | 3 | 1SFA 880010-B | 1SFA 880010-B | - |
| PS A45 | 3 | 1SFA 880010-C | 1SFA 880010-C | - |
| PS A60 | 3 | 1SFA 880010-D | 1SFA 880010-D | - |
| PS D75 | 3 | 1SFA 880010-E | 1SFA 880010-E | - |
| PS D110 | 3 | 1SFA 880010-F | 1SFA 880010-F | - |
| PS D145 | 3 | 1SFA 880010-G | 1SFA 880010-G | - |
| PS D175 | 1) * | 1SFA 880010-H | 1SFA 880010-H | - |
| PS D175 | 1) | 1SFA 880010-J | 1SFA 880010-J | - |
| PS D210 | 1) | 1SFA 880010-K | 1SFA 880010-K | - |
| PS D210 | 1) * | 1SFA 880010-L | 1SFA 880010-L | - |
| PS D250 | 6 | 1SFA 880010-M | 1SFA 880010-M | - |
| PS D300 | 6 | 1SFA 880010-N | 1SFA 880010-N | - |
| PS D370 | 6 | 1SFA 880011-A | 1SFA 880011-A | 1SFA 880018-A |
| PS D470 | 6 | 1SFA 880011-B | 1SFA 880011-B | 1SFA 880018-B |
| PS D570 | 6 | 1SFA 880011-C | 1SFA 880011-C | 1SFA 880018-C |
| PS D720 | 6 | 1SFA 880011-D | 1SFA 880011-E | 1SFA 880018-D |
| PS D840 | 6 | 1SFA 880011-F | 1SFA 880011-G | 1SFA 880018-E |
| PS DH30 | 3 | 1SFA 880012-C | 1SFA 880012-C | - |
| PS DH45 | 3 | 1SFA 880012-D | 1SFA 880012-D | - |
| PS DH60 | 3 | 1SFA 880012-E | 1SFA 880012-E | - |
| PS DH75 | 3 | 1SFA 880012-F | 1SFA 880012-F | - |
| PS DH110 | 3 | 1SFA 880012-G | 1SFA 880012-G | - |
| PS DH145 | 1) * | 1SFA 880012-H | 1SFA 880012-H | - |
| PS DH145 | 1) | 1SFA 880012-J | 1SFA 880012-J | - |
| PS DH175 | 6 | 1SFA 880012-L | 1SFA 880012-L | - |
| PS DH210 | 6 | 1SFA 880012-M | 1SFA 880012-M | - |
| PS DH250 | 6 | 1SFA 880012-N | 1SFA 880012-N | - |
| PS DH300 | 6 | 1SFA 880013-A | 1SFA 880013-A | - |
| PS DH370 | 6 | 1SFA 880013-B | 1SFA 880013-B | - |
| PS DH470 | 6 | 1SFA 880013-C | 1SFA 880013-C | - |
| PS DH570 | 6 | 1SFA 880013-D | 1SFA 880013-E | - |
| PS DH720 | 6 | 1SFA 880013-F | 1SFA 880013-G | - |

1) There are two different delivery forms for these sizes of softstarters. With three or six thyristor blocks.

Both are equal in performance.

For units which have three thyristor blocks select thyristor marked with "pcs. per Softstart unit =3" and for units with 6 blocks select thyristor marked with "pcs. per Softstart unit =6"

2.2 For softstarter with catalogue number: 1SFA88X 2XX-xxx and 1SFA88X 3XX-xxx

| Softstart Type | pcs. per Softstart unit | Thyristor <=415V Cat. no | Thyristor <=500V Cat. no | Thyristor 690V Cat. no |
|----------------|-------------------------|--------------------------|--------------------------|------------------------|
| PS A18 | 3 | 1SFA 880020-A | 1SFA 880020-A | - |
| PS A30 | 3 | 1SFA 880020-B | 1SFA 880020-B | - |
| PS A45 | 3 | 1SFA 880020-C | 1SFA 880020-C | - |
| PS A60 | 3 | 1SFA 880020-D | 1SFA 880020-D | - |
| PS D75 | 3 | 1SFA 880020-E | 1SFA 880020-E | - |
| PS D110 | 3 | 1SFA 880020-F | 1SFA 880020-F | - |
| PS D145 | 3 | 1SFA 880020-G | 1SFA 880020-G | - |
| PS D175 | 3 | 1SFA 880020-H | 1SFA 880020-H | - |
| PS D210 | 6 | 1SFA 880020-L | 1SFA 880020-L | - |
| PS D250 | 6 | 1SFA 880020-M | 1SFA 880020-M | - |
| PS D300 | 6 | 1SFA 880020-N | 1SFA 880020-N | - |
| PS D370 | 6 | 1SFA 880021-A | 1SFA 880021-A | 1SFA 880028-A |
| PS D470 | 6 | 1SFA 880021-B | 1SFA 880021-B | 1SFA 880028-B |
| PS D570 | 6 | 1SFA 880021-C | 1SFA 880021-C | 1SFA 880028-C |
| PS D720 | 6 | 1SFA 880021-D | 1SFA 880021-D | 1SFA 880028-D |
| PS D840 | 6 | 1SFA 880021-F | 1SFA 880021-F | 1SFA 880028-E |
| PS DH30 | 3 | 1SFA 880022-C | 1SFA 880022-C | - |
| PS DH45 | 3 | 1SFA 880022-D | 1SFA 880022-D | - |
| PS DH60 | 3 | 1SFA 880022-E | 1SFA 880022-E | - |
| PS DH75 | 3 | 1SFA 880022-F | 1SFA 880022-F | - |
| PS DH110 | 3 | 1SFA 880022-G | 1SFA 880022-G | - |
| PS DH145 | 3 | 1SFA 880022-H | 1SFA 880022-H | - |
| PS DH175 | 6 | 1SFA 880022-L | 1SFA 880022-L | - |
| PS DH210 | 6 | 1SFA 880022-M | 1SFA 880022-M | - |
| PS DH250 | 6 | 1SFA 880022-N | 1SFA 880022-N | - |
| PS DH300 | 6 | 1SFA 880023-A | 1SFA 880023-A | - |
| PS DH370 | 6 | 1SFA 880023-B | 1SFA 880023-B | - |
| PS DH470 | 6 | 1SFA 880023-C | 1SFA 880023-C | - |
| PS DH570 | 6 | 1SFA 880023-D | 1SFA 880023-D | - |
| PS DH720 | 6 | 1SFA 880023-F | 1SFA 880023-F | - |

3. Kit for changing thyristors

1SFA 880001-A contents heat conducting pasta and mounting instruction
 1SFA 880001-B contents sandpaper, oil, solvent, cleaning cloth and mounting instruction.

| Softstart Type | Kit for changing thyristors Cat no | Remark. |
|----------------|------------------------------------|--|
| PS A18...60 | 1SFA 880001-A | Sufficient for replacing 10 thyristor blocks |
| PS D75...300 | 1SFA 880001-A | Sufficient for replacing 10 thyristor blocks |
| PS D370...840 | 1SFA 880001-B | Sufficient for replacing 25 thyristor blocks |
| PS DH30...250 | 1SFA 880001-A | Sufficient for replacing 10 thyristor blocks |
| PS DH300...720 | 1SFA 880001-B | Sufficient for replacing 25 thyristor blocks |

4. Cooling fan

These fans are mounted directly on the open chassis for cooling the heat sink.

| Type of Softstart | pcs. per Softstart unit | Fan Control voltage 110...127V 50/60Hz Cat. no | Fan Control voltage 220...240V 50/60Hz Cat. no |
|-------------------|-------------------------|--|--|
| PS D75...145 | 1 | 1SFA 880005-A | 1SFA 880005-B |
| PS D175...300 | 2 | 1SFA 880005-A | 1SFA 880005-B |
| PS D370...840 | 3 | 1SFA 880005-A | 1SFA 880005-B |
| PS DH30...110 | 1 | 1SFA 880005-A | 1SFA 880005-B |
| PS DH145...250 | 2 | 1SFA 880005-A | 1SFA 880005-B |
| PS DH300...720 | 3 | 1SFA 880005-A | 1SFA 880005-B |

5. Semiconductor fuses and holders type Bussmann

| Softstart Type | Holders pcs. per softstart unit | Bussmann Type, see below Cat. no | Fuses pcs. per softstart unit | Bussmann | | |
|-------------------|---------------------------------------|--|-------------------------------------|----------------|-------------------|-----------------|
| | | | | Type | <=500V Cat. no | 690V Cat. no |
| PS A18 | 3 | 1SFA 880004-A | 3 | 63A 170M1365 | 1SFA 880003-A | |
| PS A30 | 3 | 1SFA 880004-A | 3 | 100A 170M1367 | 1SFA 880003-B | |
| PS A45 | 3 | 1SFA 880004-A | 3 | 160A 170M2616 | 1SFA 880003-D | |
| PS A60 | 3 | 1SFA 880004-A | 3 | 200A 170M2617 | 1SFA 880003-E | |
| PS D75 | 3 | 1SFA 880004-A | 3 | 250A 170M1371 | 1SFA 880003-F | |
| PS D110 | 3 | 1SFA 880004-A | 3 | 315A 170M2619 | 1SFA 880003-G | |
| PS D145 | 3 | 1SFA 880004-A | 3 | 400A 170M2621 | 1SFA 880003-H | |
| PS D175 | 3 | 1SFA 880004-B | 3 | 450A 170M3020 | 1SFA 880003-J | |
| PS D210 | 3 | 1SFA 880004-B | 3 | 500A 170M3021 | 1SFA 880003-K | |
| PS D250 | 3 | 1SFA 880004-B | 3 | 630A 170M5012 | 1SFA 880003-L | |
| PS D300 | 3 | 1SFA 880004-B | 3 | 700A 170M5013 | 1SFA 880003-M | |
| PS D370 | 3 | 1SFA 880004-B | 3 | 900A 170M5015 | 1SFA 880003-N | |
| PS D470 | 3 | 1SFA 880004-B | 3 | 1250A 170M5018 | 1SFA 880003-R | |
| PS D570 | 3 | 1SFA 880004-B | 3 | 1500A 170M6018 | 1SFA 880003-S | |
| PS D720 | 3 | 1SFA 880004-B | 3 | 1800A 170M6020 | 1SFA 880003-T | |
| PS D840 | 3 | 1SFA 880004-B | 3 | 1800A 170M6020 | 1SFA 880003-T | |
| PS DH30 | 3 | 1SFA 880004-A | 3 | 125A 170M1368 | 1SFA 880003-C | |
| PS DH45 | 3 | 1SFA 880004-A | 3 | 200A 170M2617 | 1SFA 880003-E | |
| PS DH60 | 3 | 1SFA 880004-A | 3 | 250A 170M1371 | 1SFA 880003-F | |
| PS DH75 | 3 | 1SFA 880004-A | 3 | 315A 170M2619 | 1SFA 880003-G | |
| PS DH110 | 3 | 1SFA 880004-A | 3 | 400A 170M2621 | 1SFA 880003-H | |
| PS DH145 | 3 | 1SFA 880004-B | 3 | 450A 170M3020 | 1SFA 880003-J | |
| PS DH175 | 3 | 1SFA 880004-B | 3 | 500A 170M3021 | 1SFA 880003-K | |
| PS DH210 | 3 | 1SFA 880004-B | 3 | 630A 170M5012 | 1SFA 880003-L | |
| PS DH250 | 3 | 1SFA 880004-B | 3 | 700A 170M5013 | 1SFA 880003-M | |
| PS DH300 | 3 | 1SFA 880004-B | 3 | 900A 170M5015 | 1SFA 880003-N | |
| PS DH370 | 3 | 1SFA 880004-B | 3 | 1000A 170M5016 | 1SFA 880003-P | |
| PS DH470 | 3 | 1SFA 880004-B | 3 | 1250A 170M5018 | 1SFA 880003-R | |
| PS DH570 | 3 | 1SFA 880004-B | 3 | 1500A 170M6018 | 1SFA 880003-S | |
| PS DH720 | 3 | 1SFA 880004-B | 3 | 1800A 170M6020 | 1SFA 880003-T | |
| PS D370 | 3 | 1SFA 880004-B | 3 | 900A 170M5015 | | 1SFA 880003-N |
| PS D470 | 3 | 1SFA 880004-B | 3 | 1250A 170M5018 | | 1SFA 880003-R |
| PS D570 | 3 | 1SFA 880004-B | 3 | 1500A 170M6018 | | 1SFA 880003-S |
| PS D720 | 3 | 1SFA 880004-B | 3 | 1500A 170M6018 | | 1SFA 880003-S |
| PS D840 | 3 | 1SFA 880004-B | 3 | 1500A 170M6018 | | 1SFA 880003-S |

Fuse holder 1SFA 880004-A type 170H 1007 and 1SFA 880004-B type 170H 3004



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