



**Electric Automation**  
Automation specialists

Reference: PSS72/124-690F  
Code: 1SFA893007R1001

PSS72/124-690F SOFTSTARTER

Buy it at Electric Automation Network



Softstarter PSS72/124-690F for max 690V main voltage and 110 - 120V 50/60Hz control supply voltage having a NO fault contact

### Ordering

|                         |               |
|-------------------------|---------------|
| EAN:                    | 7320500215562 |
| Minimum Order Quantity: | 1 piece       |
| Customs Tariff Number:  | 85371099      |

### Dimensions

|                     |            |
|---------------------|------------|
| Product Net Width:  | 140.000 mm |
| Product Net Height: | 250.000 mm |
| Product Net Depth:  | 162.000 mm |
| Product Net Weight: | 4.4 kg     |

### Container Information

|                               |               |
|-------------------------------|---------------|
| Package Level 1 Width:        | 195 mm        |
| Package Level 1 Length:       | 355 mm        |
| Package Level 1 Height:       | 275 mm        |
| Package Level 1 Gross Weight: | 4.7 kg        |
| Package Level 1 EAN:          | 7320500215562 |
| Package Level 1 Units:        | 1 piece       |
| Package Level 2 Units:        | 1 piece       |

## Technical

|  |   |
|--|---|
| Rated Operational Voltage:   | Main Circuit 400 ... 690 V AC                                     |
| Rated Control Supply Voltage ( $U_s$ ):                                      | 110 ... 120 V AC  |
| Rated Control Circuit Voltage ( $U_c$ ):                                     | DC Operation 24 V   |
| Rated Frequency (f):   | Control Supply 50/60 Hz<br>Main Circuit 50/60 Hz                  |
| Rated Operational Power - In-Line Connection ( $P_e$ ):                      | at 500 V 45 kW<br>at 690 V 59 kW<br>at 400 V 37 kW                |
| Rated Operational Current - In-Line Connection ( $I_e$ ):                    | 72 A  |
| Rated Operational Power - Inside Delta Connection:                           | at 690 V 110 kW<br>at 500 V 80 kW<br>at 400 V 59 kW               |
| Rated Operational Current - Inside Delta Connection:                         | 124 A   |
| Service Factor Percentage:   | 115 %   |
| Overload Protection:   | Recommended TA75DU 18 ... 72                                      |
| Integrated Electronic Overload:  | No  |
| Adjustable Rated Motor Current $I_e$ :                                       | No %  |
| Starting Capacity at Maximum Rated Current $I_e$ :                           | 4x $I_e$ for 10s  |
| Ramp Time:   | During Stop 0 ... 30 second(s)<br>During Start 1 ... 30 second(s) |
| Initial Voltage During Start:  | 30 ... 70 %   |
| Step Down Voltage Special Ramp:  | No %  |
| Current Limit Function:  | 1.5 ... 4 x $I_e$ if current transformer is connected             |
| Switch for Inside Delta Connection:  | Yes   |
| Run Signal Relay:  | No  |
| By-pass Signal Relay:  | Yes   |
| Fault Signal Relay:  | Yes, NO contact   |
| Overload Signal Relay:   | No  |
| Signal indication completed start ramp (LED):                                | Green   |
| Signal indication ready to start/standby ON (LED):                           | Green   |
| Signal indication running R (LED):   | Green   |
| Signal indication fault (LED):   | Red   |
| Number of Starts Per Hour at 3.5* $I_e$ for 7 sec. 50% ON Time 50% OFF Time: | 30  |
| Communication:   | No  |
| Degree of Protection:  | acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10      |
| Terminal Type:   | Screw Terminals   |
| Connecting Capacity-Main Circuit:  | Rigid 1x6 ... 50 mm <sup>2</sup>                                  |
| Connecting Capacity-Control Circuit:   | Rigid 2.5 mm <sup>2</sup>   |

|                                     |   |
|-------------------------------------|---|
| Connecting Capacity-Supply Circuit: | Rigid 2.5 mm <sup>2</sup>   |
| Tightening Torque:                  | Control Circuit 0.5 N·m<br>Supply Circuit 0.5 N·m<br>Main Circuit 4.5 N·m |
| Product Main Type:                  | PSS72/124   |

## Certificates and Declarations (Document Number)

|                                 |                 |
|---------------------------------|-----------------|
| Declaration of Conformity - CE: | 1SFA1-47        |
| RoHS Information:               | 1SFC132034D0202 |

## Environmental

|                          |   |
|--------------------------|---|
| Ambient Air Temperature: | Storage -40 ... +70 °C<br>Operation -25 ... +60 °C              |
| RoHS Status:             | Following EU Directive 2002/95/EC August 18, 2005 and amendment |

## Classifications

|         |          |
|---------|----------|
| UNSPSC: | 39121521 |
|---------|----------|