

## PRODUCT-DETAILS

# PST44-600-70

## PST44-600-70 Softstarter - 44 A - Main Circuit 208 ... 600 V AC



### General Information

|                       |                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------|
| Extended Product Type | PST44-600-70                                                                                     |
| Product ID            | 1SFA894004R7000                                                                                  |
| EAN                   | 7320500255520                                                                                    |
| Catalog Description   | PST44-600-70 Softstarter - 44 A - Main Circuit 208 ... 600 V AC                                  |
| Long Description      | Softstarter PST44-600-70 for max 600V main voltage and 110 - 240V 50/60Hz control supply voltage |

### Ordering

|                        |            |
|------------------------|------------|
| Minimum Order Quantity | 1 piece    |
| Customs Tariff Number  | 8503009999 |

### Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SFC132005C0201 |
| Instructions and Manuals          | 1SFC132003M0201 |

## Dimensions

|                            |        |
|----------------------------|--------|
| Product Net Width          | 160 mm |
| Product Net Height         | 260 mm |
| Product Net Depth / Length | 196 mm |
| Product Net Weight         | 4.8 kg |

## Technical

|                                                          |                                                                    |
|----------------------------------------------------------|--------------------------------------------------------------------|
| Rated Operational Voltage                                | Main Circuit 208 ... 600 V AC                                      |
| Rated Control Supply Voltage ( $U_s$ )                   | 100 ... 250 V AC                                                   |
| Rated Control Circuit Voltage ( $U_c$ )                  | DC Operation 24 V                                                  |
| Rated Frequency (f)                                      | 50/60 Hz<br>Main Circuit 50 / 60 Hz                                |
| Rated Operational Power - In-Line Connection ( $P_e$ )   | (400 V) 22 kW<br>(500 V) 25 kW                                     |
| Rated Operational Current - In-Line Connection ( $I_e$ ) | 44 A                                                               |
| Rated Operational Power - Inside Delta Connection        | at 400 V 37 kW<br>at 500 V 45 kW                                   |
| Rated Operational Current - Inside Delta Connection      | 76 A                                                               |
| Service Factor Percentage                                | 115 %                                                              |
| Overload Protection                                      | Build-in electronic overload protection                            |
| Integrated Electronic Overload                           | Yes                                                                |
| Adjustable Rated Motor Current $I_e$                     | 30 ... 115 %                                                       |
| Starting Capacity at Maximum Rated Current $I_e$         | 3xle for 15s                                                       |
| Ramp Time                                                | 0 ... 120 second [unit of time]<br>1 ... 120 second [unit of time] |
| Initial Voltage During Start                             | 30 ... 70 %                                                        |
| Step Down Voltage Special Ramp                           | 100 ... 30 %                                                       |
| Current Limit Function                                   | 1.5 ... 7xle                                                       |
| Switch for Inside Delta Connection                       | Yes                                                                |
| Run Signal Relay                                         | Yes                                                                |
| By-pass Signal Relay                                     | Yes                                                                |
| Fault Signal Relay                                       | Yes                                                                |
| Overload Signal Relay                                    | Yes                                                                |
| Analog Outputs                                           | 0...10 volts<br>0...20 mA<br>4...20 mA                             |
| Signal Indication Ready to Start/Standby ON (LED)        | Green                                                              |
| Signal Indication                                        | Yellow                                                             |

|                                                                                        |                                                                           |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Protection (LED)                                                                       |                                                                           |
| Signal Indication Fault (LED)                                                          | Red                                                                       |
| Number of Starts Per Hour at 3.5*I <sub>e</sub> for 7 sec.<br>50% ON Time 50% OFF Time | 30                                                                        |
| Communication                                                                          | FiledBusPlug(Standard)                                                    |
| Degree of Protection                                                                   | IP10                                                                      |
| Terminal Type                                                                          | Screw Terminals                                                           |
| Connecting Capacity Main Circuit                                                       | Rigid 1 x 10 ... 95 mm <sup>2</sup><br>Rigid 2 x 6 ... 35 mm <sup>2</sup> |
| Connecting Capacity Control Circuit                                                    | Rigid 1 x 2.5 mm <sup>2</sup><br>Rigid 2 x 1.5 mm <sup>2</sup>            |
| Connecting Capacity Supply Circuit                                                     | Rigid 1 x 2.5 mm <sup>2</sup>                                             |
| Tightening Torque                                                                      | Control Circuit 0.5 N·m<br>Main Circuit 6 N·m<br>Supply Circuit 0.5 N·m   |
| Product Main Type                                                                      | PST44                                                                     |

## Environmental

|                         |                                                  |
|-------------------------|--------------------------------------------------|
| Ambient Air Temperature | Operation 0 ... +50 °C<br>Storage -25 ... +70 °C |
| Degree of Protection    | IP10                                             |
| RoHS Status             | No declaration needed                            |

## Certificates and Declarations (Document Number)

|                                |                 |
|--------------------------------|-----------------|
| Declaration of Conformity - CE | 1SFA1-74        |
| Environmental Information      | 1SFC132014D0201 |
| Instructions and Manuals       | 1SFC132003M0201 |
| RoHS Information               | 1SFC132035D0201 |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Width          | 190 mm        |
| Package Level 1 Depth / Length | 360 mm        |
| Package Level 1 Height         | 280 mm        |
| Package Level 1 Gross Weight   | 6 kg          |
| Package Level 1 EAN            | 7320500255520 |
| Package Level 1 Units          | 1 piece       |

## Classifications

|                            |   |
|----------------------------|---|
| Object Classification Code | Q |
|----------------------------|---|

|        |                         |
|--------|-------------------------|
| ETIM 7 | EC000640 - Soft starter |
| ETIM 8 | EC000640 - Soft starter |
| ETIM 9 | EC000640 - Soft starter |
| eClass | V11.0 : 27370907        |
| UNSPSC | 39121521                |

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## Categories

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Drives → Softstarters → Softstarters → PST(B) Softstarters → PST105

Low Voltage Products and Systems → Control Products → Softstarters → Softstarters → PST(B) Softstarters → PST105

