

# PSE85-600-70



Products Low Voltage Products and Systems Control Products Softstarters Softstarters

## General Information

|                               |   |
|-------------------------------|---|
| <b>Extended Product Type:</b> | PSE85-600-70  |
| <b>Product ID:</b>            | 1SFA897108R7000   |
| <b>EAN:</b>                   | 7320500400661   |
| <b>Catalog Description:</b>   | PSE85-600-70 SOFTSTARTER  |
| <b>Long Description:</b>      | Softstarter PSE85-600-70 for max 600V main voltage and 100 - 250V 50/60Hz control supply voltage. |

## Interactive Guides

### Category Related Guides:

ABB improves mining industry efficiency - Softstarter PSTX

## Additional Information

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| <b>Adjustable Rated Motor Current Ie:</b>  | 30 ... 100 %   |
| <b>Ambient Air Temperature:</b>  | Operation -25 ... +60 °C<br>Storage -40 ... +70 °C           |
| <b>Analog Outputs:</b>   | 4...20 mA  |
| <b>By-pass Signal Relay:</b>   | Yes  |
| <b>Communication:</b>  | FieldBusPlug(Optional)                                       |
| <b>Connecting Capacity Control Circuit:</b>  | Rigid 1x2.5 mm <sup>2</sup><br>Rigid 2x1.5 mm <sup>2</sup>   |
| <b>Connecting Capacity Main Circuit:</b>   | Rigid 1/2x2.5 ... 70 mm <sup>2</sup>                         |
| <b>Connecting Capacity Supply Circuit:</b>   | Rigid 1x2.5 mm <sup>2</sup><br>Rigid 2x1.5 mm <sup>2</sup>   |
| <b>Conventional Free-air Thermal Current (I<sub>th</sub>):</b>                           | Signal Relays 3 A  |
| <b>Country of Origin:</b>  | Sweden (SE)  |
| <b>Current Limit Function:</b>   | 1.5 ... 7xI <sub>e</sub>                                     |
| <b>Current Range:</b>  | 25.5 ... 85 A  |
| <b>Customs Tariff Number:</b>  | 85371099   |
| <b>Data Sheet, Technical Information:</b>  | 1SFC132005C0201  |
| <b>Declaration of Conformity - CE:</b>   | 2CMT003496   |
| <b>Degree of Protection:</b>   | acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00 |
| <b>E-number:</b>   | 3302117  |
| <b>EAN:</b>  | 7320500400661  |
| <b>EPLAN Catalog Tree:</b>   | Electrical engineering / Converters / General                |
| <b>ETIM 4:</b>   | EC002572 - Electronic motor control and protection device    |
| <b>ETIM 5:</b>   | EC002572 - Electronic motor control and protection device    |
| <b>Environmental Information:</b>  | 1SFC132042D0201  |
| <b>Fault Signal Relay:</b>   | Yes  |
| <b>Industrial IT Certification Level:</b>  | 0  |
| <b>Initial Voltage During Start:</b>   | 30 ... 70 %  |
| <b>Instructions and Manuals:</b>   | 1SFC132057M0201  |
| <b>Integrated Electronic Overload:</b>   | Yes  |
| <b>Invoice Description:</b>  | SOFTSTARTER#PSE85-600-70                                     |
| <b>Minimum Order Quantity:</b>   | 1 piece  |
| <b>Number of Starts Per Hour at 3.5*I<sub>e</sub> for 7 sec. 50%ON Time 50%OFF Time:</b> | 10   |
| <b>Object Classification Code:</b>   | 0  |

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| <b>Overload Protection:</b>  | Build-in electronic overload protection   |
| <b>Overload Signal Relay:</b>  | Yes   |
| <b>Package Level 1 EAN:</b>  | 7320500400661   |
| <b>Package Level 1 Gross Weight:</b>                                   | 2.75 kg   |
| <b>Package Level 1 Height:</b>   | 240 mm  |
| <b>Package Level 1 Length:</b>   | 295 mm  |
| <b>Package Level 1 Units:</b>  | 1 piece   |
| <b>Package Level 1 Width:</b>  | 130 mm  |
| <b>Package Level 2 Units:</b>  | 1 piece   |
| <b>Power Consumption:</b>  | 16 V·A  |
| <b>Power Loss:</b>   | 4.3 W   |
| <b>Product Main Type:</b>  | PSE85   |
| <b>Product Name:</b>   | SOFTSTARTER   |
| <b>Product Net Depth:</b>  | 185.500 mm  |
| <b>Product Net Height:</b>   | 245.000 mm  |
| <b>Product Net Weight:</b>   | 2.5 kg  |
| <b>Product Net Width:</b>  | 90.000 mm   |
| <b>Ramp Time:</b>  | During Start 1 ... 30 second [unit of time]<br>During Stop 0 ... 30 second [unit of time] |
| <b>Rated Control Circuit Voltage (U<sub>c</sub>):</b>                  | DC Operation 24 V   |
| <b>Rated Control Supply Voltage (U<sub>s</sub>):</b>                   | 100 ... 250 V AC  |
| <b>Rated Frequency (f):</b>  | Main Circuit 50/60 Hz<br>Control Supply 50/60 Hz  |
| <b>Rated Operational Current - In-Line Connection (I<sub>e</sub>):</b> | 85 A  |
| <b>Rated Operational Current AC-15 (I<sub>a</sub>):</b>                | (250 V) 1.5 A   |
| <b>Rated Operational Power - In-Line Connection (P<sub>e</sub>):</b>   | (230 V) 22 kW<br>(400 V) 45 kW<br>(500 V) 55 kW   |
| <b>Rated Operational Voltage:</b>                                      | Main Circuit 208 ... 600 V AC   |
| <b>RoHS Date:</b>  | 1042 1  |
| <b>RoHS Information:</b>   | 1SFC132043D0201   |
| <b>RoHS Status:</b>  | Following EU Directive 2002/95/EC August 18, 2005 and amendment                           |
| <b>Run Signal Relay:</b>   | Yes   |
| <b>Selling Unit of Measure:</b>  | piece   |
| <b>Service Factor Percentage:</b>                                      | 100 %   |
| <b>Short Description:</b>  | SOFTSTARTER#PSE85-600-70  |
| <b>Signal indication completed start ramp (LED):</b>                   | Green   |
| <b>Signal indication fault (LED):</b>                                  | Red   |
| <b>Signal indication protection (LED):</b>                             | Yellow  |
| <b>Signal indication ramping up/down (LED):</b>                        | Green   |
| <b>Signal indication ready to start/standby ON (LED):</b>              | Green   |
| <b>Signal indication running R (LED):</b>                              | Green   |
| <b>Starting Capacity at Maximum Rated Current I<sub>e</sub>:</b>       | 4xI <sub>e</sub> for 10s  |
| <b>Step Down Voltage Special Ramp:</b>                                 | No %  |
| <b>Switch for Inside Delta Connection:</b>                             | No  |
| <b>Switch for Kick Start (Kick):</b>                                   | Yes   |

**Terminal Type:** Screw Terminals

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**Tightening Torque:** Main Circuit 9 N·m  
Supply Circuit 0.5 N·m  
Control Circuit 0.5 N·m

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**Trip Class:** 10  
10A  
20  
30

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**Type of Start:** Normal

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