

# PSE85-600-70



Products → Low Voltage Products and Systems → Control Products → Softstarters → Softstarters

## General Information

<b>Global Commercial Alias:</b>	PSE85-600-70
<b>Extended Product Type:</b>	PSE85-600-70
<b>Product ID:</b>	1SFA897108R7000
<b>ABB Type Designation:</b>	PSE85-600-70
<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 50/60 Hz control supply voltage.

## Interactive Guides

### Category Related Guides:

[ABB improves mining industry efficiency - Softstarter PSTX](#)

## Ordering

<b>Minimum Order Quantity:</b>	1 piece
<b>Customs Tariff Number:</b>	85044090

## Popular Downloads

<b>Data Sheet, Technical Information:</b>	1SFC132005C0201
<b>Instructions and Manuals:</b>	1SFC132057M0201

## Dimensions

<b>Product Net Width:</b>	90.000 mm
<b>Product Net Height:</b>	245.000 mm
<b>Product Net Depth / Length:</b>	185.500 mm
<b>Product Net Weight:</b>	2.5 kg

## Technical

<b>Rated Operational Voltage:</b>	Main Circuit 208 ... 600 V AC
<b>Rated Control Supply Voltage (U<sub>s</sub>):</b>	100 ... 250 V AC
<b>Rated Control Circuit Voltage (U<sub>c</sub>):</b>	DC Operation 24 V
<b>Rated Frequency (f):</b>	Main Circuit 50/60 Hz Control Supply 50/60 Hz
<b>Rated Operational Power - In-Line Connection (Pe):</b>	(230 V) 22 kW (400 V) 45 kW (500 V) 55 kW

<b>Rated Operational Current - In-Line Connection (I<sub>e</sub>):</b>	85 A
<b>Service Factor Percentage:</b>	100 %
<b>Overload Protection:</b>	Build-in electronic overload protection
<b>Integrated Electronic Overload:</b>	Yes
<b>Adjustable Rated Motor Current I<sub>e</sub>:</b>	30 ... 100 %
<b>Starting Capacity at Maximum Rated Current I<sub>e</sub>:</b>	4xI <sub>e</sub> for 10s
<b>Ramp Time:</b>	During Start 1 ... 30 second [unit of time] During Stop 0 ... 30 second [unit of time]
<b>Initial Voltage During Start:</b>	30 ... 70 %
<b>Step Down Voltage Special Ramp:</b>	No %
<b>Current Limit Function:</b>	1.5 ... 7xI <sub>e</sub>
<b>Switch for Inside Delta Connection:</b>	No
<b>Run Signal Relay:</b>	Yes
<b>By-pass Signal Relay:</b>	Yes
<b>Fault Signal Relay:</b>	Yes
<b>Overload Signal Relay:</b>	Yes
<b>Analog Outputs:</b>	4...20 mA
<b>Signal indication completed start ramp (LED):</b>	Green
<b>Signal indication ready to start/standby ON (LED):</b>	Green
<b>Signal indication running R (LED):</b>	Green
<b>Signal indication ramping up/down (LED):</b>	Green
<b>Signal indication protection (LED):</b>	Yellow
<b>Signal indication fault (LED):</b>	Red
<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>Communication:</b>	FieldBusPlug(Optional)
<b>Degree of Protection:</b>	acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00
<b>Terminal Type:</b>	Screw Terminals
<b>Connecting Capacity Main Circuit:</b>	Rigid 1/2x2.5 ... 70 mm <sup>2</sup>
<b>Connecting Capacity Control Circuit:</b>	Rigid 1x2.5 mm <sup>2</sup> Rigid 2x1.5 mm <sup>2</sup>

<b>Connecting Capacity Supply Circuit:</b>	Rigid 1x2.5 mm <sup>2</sup> Rigid 2x1.5 mm <sup>2</sup>
<b>Tightening Torque:</b>	Main Circuit 9 N·m Supply Circuit 0.5 N·m Control Circuit 0.5 N·m
<b>Product Main Type:</b>	PSE85

## Environmental

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

## Certificates and Declarations (Document Number)

<b>Declaration of Conformity - CE:</b>	2CMT003496
<b>Environmental Information:</b>	1SFC132042D0201
<b>Instructions and Manuals:</b>	1SFC132057M0201
<b>RoHS Information:</b>	1SFC132043D0201

## Container Information

<b>Package Level 1 Width:</b>	130 mm
<b>Package Level 1 Depth / Length:</b>	295 mm
<b>Package Level 1 Height:</b>	240 mm
<b>Package Level 1 Gross Weight:</b>	2.75 kg
<b>Package Level 1 EAN:</b>	7320500400661
<b>Package Level 1 Units:</b>	1 piece
<b>Package Level 2 Units:</b>	1 piece

## Classifications

<b>Object Classification Code:</b>	Q
<b>E-nummer:</b>	3302117
<b>ETIM 4:</b>	EC002572 - Electronic motor control and protection device
<b>ETIM 5:</b>	EC002572 - Electronic motor control and protection device

