

# PSE18-600-70



Products Low Voltage Products and Systems Control Products Softstarters Softstarters

## General Information

<b>Extended Product Type:</b>	PSE18-600-70
<b>Product ID:</b>	1SFA897101R7000
<b>EAN:</b>	7320500400593
<b>Catalog Description:</b>	PSE18-600-70 SOFTSTARTER
<b>Long Description:</b>	Softstarter PSE18-600-70 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

<b>Adjustable Rated Motor Current Ie:</b>	30 ... 100 %
<b>Ambient Air Temperature:</b>	Operation -25 ... +60 °C 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> 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> 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 ... 7xIe
<b>Current Range:</b>	5.4 ... 18 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>	3302017
<b>EAN:</b>	7320500400593
<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#PSE18-600-70
<b>Minimum Order Quantity:</b>	1 piece
<b>Number of Starts Per Hour at 3.5*Ie for 7 sec. 50%ON Time 50%OFF Time:</b>	10
<b>Object Classification Code:</b>	0

<b>Overload Protection:</b>	Build-in electronic overload protection
<b>Overload Signal Relay:</b>	Yes
<b>Package Level 1 EAN:</b>	7320500400593
<b>Package Level 1 Gross Weight:</b>	2.65 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>	0.2 W
<b>Product Main Type:</b>	PSE18
<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>	2.4 kg
<b>Product Net Width:</b>	90.000 mm
<b>Ramp Time:</b>	During Start 1 ... 30 second [unit of time] 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 Control Supply 50/60 Hz
<b>Rated Operational Current - In-Line Connection (I<sub>e</sub>):</b>	18 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) 4 kW (400 V) 7.5 kW (500 V) 11 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#PSE18-600-70
<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

<b>Terminal Type:</b>	Screw Terminals
<b>Tightening Torque:</b>	Main Circuit 9 N·m Supply Circuit 0.5 N·m Control Circuit 0.5 N·m
<b>Trip Class:</b>	10 10A 20 30
<b>Type of Start:</b>	Normal

