

# PSTB570-600-70



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

## General Information

<b>Extended Product Type:</b>	PSTB570-600-70
<b>Product ID:</b>	1SFA894017R7000
<b>EAN:</b>	7320500255650
<b>Catalog Description:</b>	PSTB570-600-70 SOFTSTARTER
<b>Long Description:</b>	Softstarter PSTB570-600-70 for max 600V main voltage and 110 - 240V 50/60Hz control supply voltage

## Interactive Guides

### Category Related Guides:

ABB improves mining industry efficiency - Softstarter PSTX

## Additional Information

<b>Adjustable Rated Motor Current I<sub>e</sub>:</b>	30 ... 115 %
<b>Ambient Air Temperature:</b>	Storage -25 ... +70 °C Operation 0 ... +50 °C
<b>Analog Outputs:</b>	0...10 volts 0...20 mA 4...20 mA
<b>Battery Information:</b>	Button Cell Yes Contains Cd <0.01 % Contains Hg <0.01 % Contains Pb <0.01 % Type Portable Weight 0.0031 kg
<b>By-pass Signal Relay:</b>	Yes
<b>Communication:</b>	FiledBusPlug(Standard)
<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>	Hole Diameter 12.5 mm Width and Thickness 40x6 mm
<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 5 A
<b>Country of Origin:</b>	Sweden (SE)
<b>Current Limit Function:</b>	1.5 ... 7xI <sub>e</sub>
<b>Current Range:</b>	171 ... 655 A
<b>Customs Tariff Number:</b>	8503009999
<b>Data Sheet, Technical Information:</b>	1SFC132005C0201
<b>Declaration of Conformity - CE:</b>	1SFA1-76
<b>Degree of Protection:</b>	acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00
<b>E-nummer:</b>	3302166
<b>EAN:</b>	7320500255650
<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>	1SFC132015D0201
<b>Fault Signal Relay:</b>	Yes
<b>Industrial IT Certification Level:</b>	0

Initial Voltage During Start:	30 ... 70 %
Instructions and Manuals:	1SFC132003M0201
Integrated Electronic Overload:	Yes
Invoice Description:	SOFTSTARTER#PSTB570-600-70
Minimum Order Quantity:	1 piece
Number of Starts Per Hour at 3.5*I <sub>e</sub> for 7 sec. 50%ON Time 50%OFF Time:	10
Object Classification Code:	Q
Overload Protection:	Build-in electronic overload protection
Overload Signal Relay:	Yes
Package Level 1 EAN:	7320500255650
Package Level 1 Gross Weight:	64 kg
Package Level 1 Height:	460 mm
Package Level 1 Length:	600 mm
Package Level 1 Units:	1 piece
Package Level 1 Width:	500 mm
Package Level 2 Units:	1 piece
Power Consumption:	25 V·A
Power Loss:	105 W
Product Main Type:	PSTB570
Product Name:	SOFTSTARTER
Product Net Depth:	381.000 mm
Product Net Height:	515.000 mm
Product Net Weight:	52 kg
Product Net Width:	436.000 mm
Ramp Time:	During Start 1 ... 30 second [unit of time] During Start 1 ... 120 second [unit of time] During Stop 0 ... 30 second [unit of time] During Stop 0 ... 120 second [unit of time]
Rated Control Circuit Voltage (U <sub>c</sub> ):	DC Operation 24 V
Rated Control Supply Voltage (U <sub>s</sub> ):	100 ... 250 V AC
Rated Frequency (f):	Main Circuit 50/60 Hz Control Supply 50/60 Hz
Rated Operational Current - In-Line Connection (I <sub>e</sub> ):	570 A
Rated Operational Current - Inside Delta Connection:	987 A
Rated Operational Current AC-15 (I <sub>a</sub> ):	(250 V) 1.5 A
Rated Operational Power - In-Line Connection (P <sub>e</sub> ):	(400 V) 315 kW (500 V) 400 kW
Rated Operational Power - Inside Delta Connection:	at 400 V 540 kW at 500 V 700 kW
Rated Operational Voltage:	Main Circuit 208 ... 600 V AC
RoHS Date:	N/A
RoHS Information:	1SFC132035D0201
RoHS Status:	No declaration needed
Run Signal Relay:	Yes
Selling Unit of Measure:	piece
Service Factor Percentage:	115 %
Short Description:	SOFTSTARTER#PSTB570-600-70
Signal indication fault (I FDI):	Red

Signal indication fault (LED):	Red
Signal indication protection (LED):	Yellow
Signal indication ready to start/standby ON (LED):	Green
Starting Capacity at Maximum Rated Current Ie:	3xIe for 15s
Step Down Voltage Special Ramp:	100 ... 30 %
Switch for Inside Delta Connection:	Yes
Switch for Kick Start (Kick):	Yes
Terminal Type:	Main Circuit: Bars
Tightening Torque:	Main Circuit 45 N·m Supply Circuit 0.5 N·m Control Circuit 0.5 N·m
Trip Class:	10 10A 20 30
Type of Start:	Normal
UNSPSC:	39121521

