

# PSTX45-600-70



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

## General Information

<b>Global Commercial Alias:</b>	PSTX45-600-70
<b>Extended Product Type:</b>	PSTX45-600-70
<b>Product ID:</b>	1SFA898105R7000
<b>ABB Type Designation:</b>	PSTX45-600-70
<b>EAN:</b>	7320500501337
<b>Catalog Description:</b>	PSTX45-600-70 Softstarter
<b>Long Description:</b>	Softstarter PSTX45-600-70 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](#)

## Ordering

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

## Popular Downloads

<b>Data Sheet, Technical Information:</b>	1SFC132009C0201
<b>Instructions and Manuals:</b>	1SFC132081M0201

## Dimensions

<b>Product Net Width:</b>	150.000 mm
<b>Product Net Height:</b>	314.000 mm
<b>Product Net Depth / Length:</b>	194.000 mm
<b>Product Net Weight:</b>	6.10 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
<b>Rated Control Circuit Voltage (U<sub>c</sub>):</b>	DC Operation 24 V
<b>Rated Frequency (f):</b>	Main Circuit 50/60 Hz
<b>Rated Operational Power - In-Line Connection (P<sub>e</sub>):</b>	(400 V) 22 kW
<b>Rated Operational Current - In-Line Connection (I<sub>e</sub>):</b>	45 A

<b>Rated Operational Power - Inside Delta Connection:</b>	at 400 V 37 kW
<b>Rated Operational Current - Inside Delta Connection:</b>	76 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>	1 ... 120 second [unit of time]
<b>Initial Voltage During Start:</b>	10 ... 99 %
<b>Step Down Voltage Special Ramp:</b>	100 ... 10 %
<b>Current Limit Function:</b>	1.5 ... 7.5 xI <sub>e</sub>
<b>Switch for Inside Delta Connection:</b>	Yes
<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>	0...10 V, 0...20 mA, 4...20 mA
<b>Signal indication ready to start/standby ON (LED):</b>	Green
<b>Signal indication running R (LED):</b>	Green
<b>Signal indication protection (LED):</b>	Yellow
<b>Signal indication fault (LED):</b>	Red
<b>Communication:</b>	Built in Modbus interface, Anybus, FieldBusPlug (with adapter).
<b>Terminal Type:</b>	Cable Clamp
<b>Connecting Capacity Main Circuit:</b>	Hole Diameter 8.5 mm
<b>Connecting Capacity Control Circuit:</b>	Rigid 1x2.5 mm <sup>2</sup>
<b>Connecting Capacity Supply Circuit:</b>	Rigid 1x2.5 mm <sup>2</sup>
<b>Tightening Torque:</b>	Main Circuit 8 N·m
<b>Product Main Type:</b>	PSTX45

Environmental

**Ambient Air Temperature:** Storage -40 ... +70 °C  
Operation -25 ... +60 °C

**RoHS Status:** Following EU Directive 2002/95/EC August 18, 2005 and amendment

## Certificates and Declarations (Document Number)

**Declaration of Conformity - CE:** 2CMT005209

**Environmental Information:** 2CMT005232

**Instructions and Manuals:** 1SFC132081M0201

**RoHS Information:** 2CMT005210

## Container Information

**Package Level 1 Width:** 230 mm

**Package Level 1 Depth / Length:** 395 mm

**Package Level 1 Height:** 280 mm

**Package Level 1 Gross Weight:** 6.70 kg

**Package Level 1 EAN:** 7320500501337

**Package Level 1 Units:** 1 piece

## Classifications

**Object Classification Code:** Q

**E-number:** 3302036

**ETIM 4:** EC002572 - Electronic motor control and protection device

**ETIM 5:** EC002572 - Electronic motor control and protection device

