

PRODUCT-DETAILS

# PSTX840-600-70

## PSTX840-600-70 Softstarter



### Información General

Global Commercial Alias	PSTX840-600-70
Tipo de producto extendido	PSTX840-600-70
Código de producto	1SFA898119R7000
ABB Type Designation	PSTX840-600-70
EAN	7320500510421
Descripción corta	PSTX840-600-70 Softstarter

Descripción larga

The softstarter PSTX840-600-70 has a rated maximum operational current of 840 A with an operating voltage span from 208...600 V AC. The rated control voltage is between 100...250 V AC at 50/60 Hz. PSTX features a three-phase control soft start and stop through a voltage or a torque ramp. It has a built-in bypass for easy installation and energy saving. A RUN, TOR and Event signal is available from relay outputs in NO (normally open state). The PSTX has functions such as current limit, kickstart, analog output, EOL, motor heating and pump cleaning etc. To interact with PSTX, it has a detachable full graphic display with IP66 and 4x outdoor rating. There are four ways to communicate with PSTX. It can be done by hardwire inputs Start/Stop/Reset of fault, and by three programmable digital inputs. Another popular option is the built-in Fieldbus communication Modbus RTU and incl optional ANYBUS modules with every major protocol such as for example Profinet, Profibus, Modbus TCP, Ethernet IP and others. Another way to communicate with PSTX is to use an external adaptor and a Fieldbus plug. PSTX is the complete alternative for any motor starting application. It's suitable for medium to large-sized three-phase motors with nominal currents from 30...1250 A inline connection or 52...2160 A inside delta connection. Typical applications are, for example, pumps, fans, compressors, and conveyors.

### Clasificación

Cantidad mínima de pedido	1 piece
Código arancelario	85044090

## Descargas Populares

Ficha técnica, información técnica	1SFC132012C0201
Instrucciones y manuales	1SFC132081M0201

## Dimensiones

Ancho del product	435 mm
Alto del producto	493 mm
Largo del product	369 mm
Peso del product	46.5 kg

## Technical

Rated Operational Voltage	208 ... 600 V AC
Rated Control Supply Voltage ( $U_s$ )	100 ... 250 V AC
Rated Control Circuit Voltage ( $U_c$ )	DC Operation 24 V
Rated Frequency (f)	50/60 Hz Main Circuit 50 / 60 Hz
Rated Operational Power - In-Line Connection ( $P_e$ )	(230 V) 250 kW (400 V) 450 kW (500 V) 600 kW
Rated Operational Current - In-Line Connection ( $I_e$ )	840 A
Rated Operational Power - Inside Delta Connection	at 230 V 450 kW at 400 V 800 kW at 500 V 1000 kW
Rated Operational Current - Inside Delta Connection	1455 A
Service Factor Percentage	100 %
Overload Protection	Built-in electronic overload protection
Integrated Electronic Overload	Yes
Adjustable Rated Motor Current $I_e$	30 ... 100 %
Starting Capacity at Maximum Rated Current $I_e$	4xle for 10s
Ramp Time	1 ... 120 second [unit of time]
Initial Voltage During Start	10 ... 99 V
Step Down Voltage Special Ramp	100 ... 10 %
Current Limit Function	1.5 ... 7.5 xle
Switch for Inside Delta Connection	Yes

Run Signal Relay	Yes
By-pass Signal Relay	Yes
Fault Signal Relay	Yes
Overload Signal Relay	Yes
Analog Outputs	0...10 V, 0...20 mA, 4...20 mA
Signal indication ready to start/standby ON (LED)	Green
Signal indication running R (LED)	Green
Signal indication protection (LED)	Yellow
Signal indication fault (LED)	Red
Communication	Built in Modbus interface, Anybus, FieldBusPlug (with adapter).
Grado de protección	IP00
Terminal Type	Main Circuit: Bars
Connecting Capacity Control Circuit	Rigid 1 x 2.5 mm <sup>2</sup>
Connecting Capacity Supply Circuit	Rigid 1 x 2.5 mm <sup>2</sup>
Tightening Torque	Main Circuit 45 N·m
Product Main Type	PSTX840

## Technical UL/CSA

Maximum Operating Voltage UL/CSA	Main Circuit 600 V
Ampere Rating UL/CSA	840 A
Tightening Torque UL/CSA	Main Circuit 398.3

## Ambiente

Temperatura ambiente	Funcionamiento -25 ... +60 °C Almacenamiento -40 ... +70 °C
RoHS Status	Following EU Directive 2002/95/EC August 18, 2005 and amendment

## Certificados y Declaraciones (Número de Documento)

CQC Certificate	CN: CQC2015010304830300 / SE: CQC2015010304830295
Declaration of Conformity - CCC	CN: 2020980304001095 / SE: 2020980304001491
Declaración de conformidad - CE	2CMT005209
Environmental Information	2CMT005232
Instrucciones y manuales	1SFC132081M0201
RoHS Information	2CMT005210

## Información de Embalaje

Embalaje Nivel 1 Ancho	600 mm
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Embalaje Nivel 1 Largo	616 mm
Embalaje Nivel 1 Alto	800 mm
Embalaje Nivel 1 Peso	58.5 kg
Embalaje Nivel 1 EAN	7320500510421
Embalaje Nivel 1 Unidades	box 1 piece

## Clasificaciones

Object Classification Code	Q
ETIM 4	EC002572 - Electronic motor control and protection device
ETIM 6	EC002572 - Motor management device
UNSPSC	39121521

## Categorías

Convertidores de frecuencia → Softstarters → Arranadores suaves → PSTX Softstarters → PSTX840

Productos y sistemas de baja tensión → Aparatos de control → Softstarters → Arranadores suaves → PSTX Softstarters → PSTX840

