

PRODUCT-DETAILS

PSTX300-600-70

PSTX300-600-70 Softstarter



Información General

Global Commercial Alias	PSTX300-600-70
Tipo de producto extendido	PSTX300-600-70
Código de producto	1SFA898114R7000
ABB Type Designation	PSTX300-600-70
EAN	7320500501474
Descripción corta	PSTX300-600-70 Softstarter

Descripción larga

The softstarter PSTX300-600-70 has a rated maximum operational current of 300 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	258 mm
Alto del producto	470 mm
Largo del product	279 mm
Peso del product	15.5 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) 90 kW (400 V) 160 kW (500 V) 200 kW
Rated Operational Current - In-Line Connection (I_e)	300 A
Rated Operational Power - Inside Delta Connection	at 230 V 160 kW at 400 V 257 kW at 500 V 355 kW
Rated Operational Current - Inside Delta Connection	515 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	30 ... 99 %
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 Main Circuit	Hole Diameter 10.2 mm
Connecting Capacity Control Circuit	Rigid 1 x 2.5 mm ²
Connecting Capacity Supply Circuit	Rigid 1 x 2.5 mm ²
Tightening Torque	Main Circuit 25 N·m
Product Main Type	PSTX300

Technical UL/CSA

Maximum Operating Voltage UL/CSA	Main Circuit 600 V
Ampere Rating UL/CSA	302 A
Tightening Torque UL/CSA	Main Circuit 221.3

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: CQC2014010304744408 / SE: CQC2014010304724384
Declaration of Conformity - CCC	CN: 2020980304001093 / SE: 2020980304001490
Declaración de conformidad - CE	2CMT005209
Environmental Information	2CMT005232
Instrucciones y manuales	1SFC132081M0201
RoHS Information	2CMT005210

Información de Embalaje

Embalaje Nivel 1 Ancho	352 mm
Embalaje Nivel 1 Largo	379 mm
Embalaje Nivel 1 Alto	564 mm
Embalaje Nivel 1 Peso	18.5 kg
Embalaje Nivel 1 EAN	7320500501474
Embalaje Nivel 1 Unidades	box 1 piece

Clasificaciones

Object Classification Code	Q
ETIM 4	EC002572 - Electronic motor control and protection device
ETIM 5	EC002572 - Electronic motor control and protection device
ETIM 6	EC002572 - Motor management device
UNSPSC	39121521

Categorías

Convertidores de frecuencia → Softstarters → Arrancadores suaves → PSTX Softstarters → PSTX300

Productos y sistemas de baja tensión → Aparatos de control → Softstarters → Arrancadores suaves → PSTX Softstarters → PSTX300

