

PRODUCT-DETAILS

PSE72-600-70

PSE72-600-70 Softstarter



Información General	
Global Commercial Alias	PSE72-600-70
Tipo de producto extendido	PSE72-600-70
Código de producto	1SFA897107R7000
ABB Type Designation	PSE72-600-70
EAN	7320500400654
Descripción corta	PSE72-600-70 Softstarter
Descripción larga	The softstarter PSE72-600-70 has a rated maximum operational current of 72 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. PSE features a two-phase control with a 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 a relay output in NO (normally open state). The PSE has functions such as current limit, kickstart, analog output, EOL, underload, and locked rotor protection. To interact with PSE, it has an illuminated display that uses symbols to become language neutral. As an option, you can add an identical external keypad with a rating of IP66. There are three ways to communicate with PSE. It can be done by hardwire inputs Start/Stop or by Reset of fault. Another popular option is the built-in Fieldbus communication Modbus RTU, but we can also use an external adaptor and a Fieldbus plug. The new generation PSE is a true general pur-pose softstarter. It's a perfect balance between high starting capacity and cost effi-ciency. It is now featuring built-in Fieldbus communication. They are suitable for small to medium-sized three-phase motors with nominal currents from 18...370 A. 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	1SFC132057M0201

Dimensiones

Ancho del product	90 mm
Alto del producto	245 mm
Largo del product	184 mm
Peso del product	2.5 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) 18.5 kW (400 V) 37 kW (500 V) 45 kW
Rated Operational Current - In-Line Connection (I_e)	72 A
Service Factor Percentage	100 %
Overload Protection	Build-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	0 ... 30 second [unit of time] 1 ... 30 second [unit of time]
Initial Voltage During Start	30 ... 70 %
Step Down Voltage Special Ramp	No %
Current Limit Function	1.5 ... 7xle
Switch for Inside Delta Connection	No
Run Signal Relay	Yes
By-pass Signal Relay	Yes
Fault Signal Relay	Yes
Overload Signal Relay	Yes
Analog Outputs	4...20 mA
Signal indication completed start ramp (LED)	Green
Signal indication ready to start/standby ON (LED)	Green
Signal indication running R (LED)	Green
Signal indication ramping up/down (LED)	Green

Signal indication protection (LED)	Yellow
Signal indication fault (LED)	Red
Number of Starts Per Hour at 3.5*le for 7 sec. 50% ON Time 50% OFF Time	10
Communication	FiledBusPlug(Optional)
Grado de protección	IP00
Terminal Type	Screw Terminals
Connecting Capacity Main Circuit	Hole Diameter 8.5 mm Rigid 1/2 x 2.5 ... 70 mm² Width and Thickness 17.5x5 mm
Connecting Capacity Control Circuit	Rigid 1 x 2.5 mm² Rigid 2 x 1.5 mm²
Connecting Capacity Supply Circuit	Rigid 1 x 2.5 mm²
Tightening Torque	Control Circuit 0.5 N·m Main Circuit 9 N·m Supply Circuit 0.5 N·m
Product Main Type	PSE72

Technical UL/CSA

Maximum Operating Voltage UL/CSA	Main Circuit 600 V
Ampere Rating UL/CSA	68 A
Tightening Torque UL/CSA	Control Circuit 4.4 in·lb Main Circuit 79.7 Supply Circuit 4.4 in·lb

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	CQC2011010304468093
Declaration of Conformity - CCC	2020980304001546
Declaración de conformidad - CE	2CMT2015-005447
Environmental Information	1SFC132042D0201
Instrucciones y manuales	1SFC132057M0201
RoHS Information	1SFC132043D0201

Información de Embalaje

Embalaje Nivel 1 Ancho	178 mm
Embalaje Nivel 1 Largo	257 mm
Embalaje Nivel 1 Alto	288 mm
Embalaje Nivel 1 Peso	3.2 kg
Embalaje Nivel 1 EAN	7320500400654
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 → PSE Softstarters → PSE72

Productos y sistemas de baja tensión → Aparatos de control → Softstarters → Arrancadores suaves → PSE Softstarters → PSE72

