

PRODUCT-DETAILS

# PSE105-600-70

## PSE105-600-70 Softstarter



### Información General

Global Commercial Alias	PSE105-600-70
Tipo de producto extendido	PSE105-600-70
Código de producto	1SFA897109R7000
ABB Type Designation	PSE105-600-70
EAN	7320500400678
Descripción corta	PSE105-600-70 Softstarter

Descripción larga	<p>The softstarter PSE105-600-70 has a rated maximum operational current of 105 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.</p> <p>The new generation PSE is a true general purpose softstarter. It's a perfect balance between high starting capacity and cost efficiency. 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.</p>
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### Clasificación

Cantidad mínima de pedido	1 piece
Código arancelario	85044090

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## Descargas Populares

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Ficha técnica, información técnica	1SFC132012C0201
Instrucciones y manuales	1SFC132057M0201

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## Dimensiones

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Ancho del product	90 mm
Alto del producto	245 mm
Largo del product	184 mm
Peso del product	2.9 kg

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## Technical

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Rated Operational Voltage	208 ... 600 V AC
Rated Control Supply Voltage (U <sub>s</sub> )	100 ... 250 V AC
Rated Control Circuit Voltage (U <sub>c</sub> )	DC Operation 24 V
Rated Frequency (f)	50/60 Hz Main Circuit 50 / 60 Hz
Rated Operational Power - In-Line Connection (Pe)	(230 V) 30 kW (400 V) 55 kW (500 V) 75 kW
Rated Operational Current - In-Line Connection (Ie)	106 A
Service Factor Percentage	100 %
Overload Protection	Build-in electronic overload protection
Integrated Electronic Overload	Yes
Adjustable Rated Motor Current Ie	30 ... 100 %
Starting Capacity at Maximum Rated Current Ie	4xIe 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 ... 7xIe
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 mm <sup>2</sup> Width and Thickness 17.5x5 mm
Connecting Capacity Control Circuit	Rigid 1 x 2.5 mm <sup>2</sup> Rigid 2 x 1.5 mm <sup>2</sup>
Connecting Capacity Supply Circuit	Rigid 1 x 2.5 mm <sup>2</sup>
Tightening Torque	Control Circuit 0.5 N-m Main Circuit 9 N-m Supply Circuit 0.5 N-m
Product Main Type	PSE105

## Technical UL/CSA

Maximum Operating Voltage UL/CSA	Main Circuit 600 V
Ampere Rating UL/CSA	104 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	3.6 kg
Embalaje Nivel 1 EAN	7320500400678
Embalaje Nivel 1 Unidades	box 1 piece

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## Clasificaciones

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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

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## Categorías

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Convertidores de frecuencia → Softstarters → Arranadores suaves → PSE Softstarters → PSE105

Productos y sistemas de baja tensión → Aparatos de control → Softstarters → Arranadores suaves → PSE Softstarters → PSE105

