

PRODUCT-DETAILS

# PSR72-600-70

## PSR72-600-70 Softstarter



### Información General

Global Commercial Alias	PSR72-600-70
Tipo de producto extendido	PSR72-600-70
Código de producto	1SFA896113R7000
ABB Type Designation	PSR72-600-70
EAN	7320500362617
Descripción corta	PSR72-600-70 Softstarter

Descripción larga	<p>The softstarter PSR72-600-70 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...240 V AC at 50/60 Hz. PSR features a two-phase control soft start and stop through a voltage ramp. It has a built-in bypass for easy installation and energy saving. A RUN and a TOR signal is available from a relay output in NO (normally open state). The start/stop ramp and time is easy to set by three potentiometers on the front. PSR is often used in combination with a manual motor starter (MMS) from ABB, so mechanical connection kits are available. Another popular option is Fieldbus communication, which can be enabled by an external adaptor and a Fieldbus plug. The PSR range is our most compact softstarters with basic functionality and values. They are suitable for small three-phase motors with nominal currents from 3...105 A and can manage up to 100 starts per hour. Common applications are, for example, pumps, fans, compressors, and conveyors.</p>
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### Clasificación

Cantidad mínima de pedido	1 piece
Código arancelario	85044090

## Descargas Populares

Ficha técnica, información técnica	1SFC132012C0201
Instrucciones y manuales	1SFC132033M0001

## Dimensiones

Ancho del product	180 mm
Alto del producto	220 mm
Largo del product	70 mm
Peso del product	2.1 kg

## Technical

Rated Operational Voltage	208 ... 600 V AC
Rated Control Supply Voltage (U <sub>s</sub> )	100 ... 240 V AC
Rated Control Circuit Voltage (U <sub>c</sub> )	50 Hz / 60 Hz 100 ... 240 V AC DC Operation 24 V
Rated Frequency (f)	50/60 Hz Main Circuit 50 / 60 Hz
Rated Operational Power - In-Line Connection (Pe)	(230 V) 22 kW (400 V) 37 kW (500 V) 45 kW
Rated Operational Current - In-Line Connection (I <sub>e</sub> )	72 A
Service Factor Percentage	100 %
Overload Protection	Recommended MS495 57 ... 75
Integrated Electronic Overload	No
Adjustable Rated Motor Current I <sub>e</sub>	No
Starting Capacity at Maximum Rated Current I <sub>e</sub>	4xI <sub>e</sub> for 6s
Ramp Time	0 ... 20 second [unit of time] 1 ... 10 second [unit of time]
Initial Voltage During Start	40 ... 70 %
Step Down Voltage Special Ramp	100 ... 60 %
Current Limit Function	No
Switch for Inside Delta Connection	No
Run Signal Relay	Yes
By-pass Signal Relay	Yes
Fault Signal Relay	No
Overload Signal Relay	No
Signal indication completed start ramp (LED)	Green
Signal indication ready to start/standby ON (LED)	Green
Signal indication running R (LED)	Green
Signal indication	Green

ramping up/down (LED)

Number of Starts Per Hour at 3.5*Ie for 7 sec. 50% ON Time 50% OFF Time	10
Communication	FiledBusPlug(Optional)
Grado de protección	IP10
Terminal Type	Main Circuit: Bars
Connecting Capacity Main Circuit	Rigid 1x 10 ... 95 mm <sup>2</sup> Rigid 2 x 6 ... 35 mm <sup>2</sup>
Connecting Capacity Control Circuit	1 x 0.75 ... 2.5 2 x 0.75 ... 2.5 mm <sup>2</sup> Rigid 1 x 0.75 ... 2.5 mm <sup>2</sup> Rigid 2 x 0.75 ... 1.5 mm <sup>2</sup>
Connecting Capacity Supply Circuit	Rigid 1 x 0.75 ... 2.5 mm <sup>2</sup>
Tightening Torque	Control Circuit 0.6 N-m Main Circuit 8 N-m Supply Circuit 0.6 N-m
Product Main Type	PSR72

## Technical UL/CSA

Maximum Operating Voltage UL/CSA	Main Circuit 600 V
Ampere Rating UL/CSA	68 A
Tightening Torque UL/CSA	Control Circuit 5.3 in-lb Main Circuit 70.8 Supply Circuit 5.3 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	CQC2008010304295498
Declaration of Conformity - CCC	2020980304001090
Declaración de conformidad - CE	1SFA1-95
Environmental Information	1SFC132038D0201
Instrucciones y manuales	1SFC132033M0001
RoHS Information	1SFC132031D0202

## Información de Embalaje

Embalaje Nivel 1 Ancho	195 mm
Embalaje Nivel 1 Largo	86 mm
Embalaje Nivel 1 Alto	230 mm
Embalaje Nivel 1 Peso	2.3 kg
Embalaje Nivel 1 EAN	7320500362617
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 → PSR Softstarters → PSR72

Productos y sistemas de baja tensión → Aparatos de control → Softstarters → Arranadores suaves → PSR Softstarters → PSR72

