

PRODUCT-DETAILS

PSR37-600-70

PSR37-600-70 Softstarter



Información General

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|----------------------------|--------------------------|
| Global Commercial Alias | PSR37-600-70 |
| Tipo de producto extendido | PSR37-600-70 |
| Código de producto | 1SFA896110R7000 |
| ABB Type Designation | PSR37-600-70 |
| EAN | 7320500338322 |
| Descripción corta | PSR37-600-70 Softstarter |

Descripción larga

The softstarter PSR37-600-70 has a rated maximum operational current of 37 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.

Clasificación

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|---------------------------|----------|
| Cantidad mínima de pedido | 1 piece |
| Código arancelario | 85044090 |

Descargas Populares

| | |
|---------------------------------------|-----------------|
| Ficha técnica, información técnica | 1SFC132012C0201 |
| Instrucciones y manuales | 1SFC132032M0001 |

Dimensiones

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|-------------------|--------|
| Ancho del product | 153 mm |
| Alto del producto | 187 mm |
| Largo del product | 54 mm |
| Peso del product | 1 kg |

Technical

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| Rated Operational Voltage | 208 ... 600 V AC |
| Rated Control Supply Voltage (U _s) | 100 ... 240 V AC |
| Rated Control Circuit Voltage (U _c) | 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) 7.5 kW (400 V) 18.5 kW (500 V) 22 kW |
| Rated Operational Current - In-Line Connection (I _e) | 37 A |
| Service Factor Percentage | 100 % |
| Overload Protection | Recommended MS450 28 ... 40 |
| Integrated Electronic Overload | No |
| Adjustable Rated Motor Current I _e | No |
| Starting Capacity at Maximum Rated Current I _e | 4xI _e 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 | Screw Terminals |
| Connecting Capacity Main Circuit | Rigid 1x 6 ... 35 mm ² Rigid 2 x 6 ... 16 mm ² |
| Connecting Capacity Control Circuit | 1 x 0.75 ... 2.5 2 x 0.75 ... 2.5 mm ² Rigid 1 x 0.75 ... 2.5 mm ² Rigid 2 x 0.75 ... 1.5 mm ² |
| Connecting Capacity Supply Circuit | Rigid 1 x 0.75 ... 2.5 mm ² |
| Tightening Torque | Control Circuit 0.6 N-m Main Circuit 4 N-m Supply Circuit 0.6 N-m |
| Product Main Type | PSR37 |

Technical UL/CSA

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|----------------------------------|--|
| Maximum Operating Voltage UL/CSA | Main Circuit 600 V |
| Ampere Rating UL/CSA | 34 A |
| Tightening Torque UL/CSA | Control Circuit 5.3 in-lb Main Circuit 35.4 Supply Circuit 5.3 in-lb |

Ambiente

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|----------------------|---|
| 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)

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|---------------------------------|---------------------|
| CQC Certificate | CQC2006010304208083 |
| Declaration of Conformity - CCC | 2020980304001089 |
| Declaración de conformidad - CE | 1SFA1-91 |
| Environmental Information | 1SFC132038D0201 |
| Instrucciones y manuales | 1SFC132032M0001 |
| RoHS Information | 1SFC132031D0202 |

Información de Embalaje

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|---------------------------|---------------|
| Embalaje Nivel 1 Ancho | 163 mm |
| Embalaje Nivel 1 Largo | 56 mm |
| Embalaje Nivel 1 Alto | 217 mm |
| Embalaje Nivel 1 Peso | 1.1 kg |
| Embalaje Nivel 1 EAN | 7320500338322 |
| 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 → Arranadores suaves → PSR Softstarters → PSR37

Productos y sistemas de baja tensión → Aparatos de control → Softstarters → Arranadores suaves → PSR Softstarters → PSR37

