

PRODUCT-DETAILS

PSE170-600-70

PSE170-600-70 Softstarter



Informações gerais

Pseudônimo comercial global	PSE170-600-70
Tipo de produto alargado	PSE170-600-70
ID do produto	1SFA897111R7000
Designação de tipo ABB	PSE170-600-70
EAN	7320500400692
Descrição do catálogo	PSE170-600-70 Softstarter

Descrição longa

The softstarter PSE170-600-70 has a rated maximum operational current of 170 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 hardware 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 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.

Ordering

Quantidade Mínima de Encomenda	1 piece
Número de tarifa aduaneira	85044090

Popular Downloads

Ficha de dados, informação técnica	1SFC132012C0201
Instruções e Manuais	1SFC132057M0201

Dimensions

Largura Líquida do Produto	130 mm
Altura Líquida do Produto	295 mm
Profundidade/Comprimento Líquidos do Produto	220 mm
Peso Líquido do Produto	4.4 kg

Technical

Tensão operacional nominal	208 ... 600 V AC
Rated Control Supply Voltage (U_s)	100 ... 250 V AC
Rated Control Circuit Voltage (U_c)	DC Operation 24 V
Frequência nominal (f)	50/60 Hz Main Circuit 50 / 60 Hz
Rated Operational Power - In-Line Connection (P_e)	(230 V) 45 kW (400 V) 90 kW (500 V) 110 kW
Corrente Operacional Nominal - Conexão Em Linha (I_e)	171 A
Percentagem do fator de serviço	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
Saídas analógicas	4...20 mA
Signal indication completed start ramp (LED)	Green
Signal indication ready to start/standby ON (LED)	Green
Indicação de sinal em funcionamento 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*Ie for 7 sec. 50% ON Time 50% OFF Time	10
Comunicação	FiledBusPlug(Optional)
Grau de proteção	IP00
Tipo de terminal	Main Circuit: Bars
Connecting Capacity Main Circuit	Hole Diameter 8.5 mm Rigid 1/2 x 2.5 ... 70 mm ² Width and Thickness 17.5x5 mm
Connecting Capacity Control Circuit	Rigid 1 x 2.5 mm ² Rigid 2 x 1.5 mm ²
Connecting Capacity Supply Circuit	Rigid 1 x 2.5 mm ²
Binário de aperto	Control Circuit 0.5 N·m Main Circuit 18 N·m Supply Circuit 0.5 N·m
Tipo de produto principal	PSE170

Technical UL/CSA

Maximum Operating Voltage UL/CSA	Main Circuit 600 V
Tightening Torque UL/CSA	Control Circuit 4.4 in·lb Main Circuit 159.3 Supply Circuit 4.4 in·lb

Environmental

Temperatura do ar ambiente	Operation -25 ... +60 °C Storage -40 ... +70 °C
Estado RoHS	Following EU Directive 2002/95/EC August 18, 2005 and amendment

Certificates and Declarations (Document Number)

CQC Certificate	CQC2011010304468089
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Declaration of Conformity - CCC	2020980304001545
Declaração de conformidade -CE	2CMT2015-005447
Informação ambiental	1SFC132042D0201
Instruções e Manuais	1SFC132057M0201
Informação RoHS	1SFC132043D0201

Container Information

Largura da embalagem Nível 1	203 mm
Profundidade/Compriment o da embalagem Nível 1	282 mm
Altura da embalagem Nível 1	363 mm
Peso bruto da embalagem Nível 1	5.4 kg
Nível de Embalagem 1 EAN	7320500400692
Unidades de embalagem Nível 1	box 1 piece

Classifications

Código de classificação do objeto	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
eClass	V11.0 : 27370907
UNSPSC	39121521

Categorias

Drives, inversores e conversores → Softstarters → Partidas suaves de motores (Softstarters) → PSE Softstarters → PSE170

Produtos e Sistemas de Baixa Tensão → Produtos para controle → Softstarters → Partidas suaves de motores (Softstarters) → PSE Softstarters → PSE170

