



PRODUCT-DETAILS

PSE142-600-70

PSE142-600-70 Softstarter - 143 A - 208 ... 600 V AC



genel Bilgi

Küresel Ticari Takma Ad	PSE142-600-70
Genişletilmiş Ürün Türü	PSE142-600-70
Ürün Kimliği	1SFA897110R7000
ABB Tür Tanımı	PSE142-600-70
EAN	7320500400685
Katalog Açıklaması	PSE142-600-70 Softstarter - 143 A - 208 ... 600 V AC

Uzun Açıklama

The softstarter PSE142-600-70 has a rated maximum operational current of 142 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 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. You can also use an external adaptor and a Fieldbus plug. PSE is a true general purpose softstarter. It's a perfect balance between high starting capacity and cost efficiency. Very 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

Minimum Sipariş Miktarı	1 piece
Gümrük Tarifesi numarası	85371091

Popular Downloads

Veri Sayfası, Teknik Bilgi	1SFC132012C0201
Talimatlar ve Kılavuzlar	1SFC132427M0201
Talimatlar ve Kılavuzlar (Bölüm 2)	1SFC132057M0201
Instructions and Manuals (Part 3)	1SFC132060M0201
CAD Dimensional Drawing	2CDC001079B0201
Wiring Diagram	N/A

Dimensions

Ürün Net Genişliği	130 mm
Ürün Net Yüksekliği	295 mm
Ürün Net Derinlik / Uzunluk	220 mm
Ürün Net Ağırlığı	4.4 kg

Technical

Nominal Çalışma Gerilimi	208 ... 600 V AC
Rated Control Supply Voltage (U _s)	100 ... 250 V AC
Rated Control Circuit Voltage (U _c)	24 V DC
Nominal Frekans (f)	50/60 Hz Main Circuit 50 / 60 Hz
Rated Operational Power - In-Line Connection (P _e)	(230 V) 40 kW (400 V) 75 kW (500 V) 90 kW
Nominal Çalışma Akımı - Hat İçİ Bağlantı (I _e)	143 A
Hizmet Faktörü Yüzdesi	100 %
Overload Protection	Build-in electronic overload protection
Integrated Electronic Overload	Yes
Starting Capacity at Maximum Rated Current I _e	4xI _e 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 ... 7xI _e
Switch for Inside Delta	No

Connection

Run Signal Relay	Yes
By-pass Signal Relay	Yes
Fault Signal Relay	Yes
Overload Signal Relay	Yes
Analog Çıkışlar	4...20 mA
Signal Indication Completed Start Ramp (LED)	Green
Signal Indication Ready to Start/Standby ON (LED)	Green
Sinyal göstergesi çalışıyor 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*I _e for 7 sec. 50% ON Time 50% OFF Time	10
İletişim	Modbus-RTU
Koruma Derecesi	acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00
Terminal Türü	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
Sıkma Torku	Control Circuit 0.5 N·m Main Circuit 18 N·m Supply Circuit 0.5 N·m
Ürün Ana Türü	PSE142
Function	Soft start with torque control Soft start with voltage ramp Soft stop with torque control Soft stop with voltage ramp Kick start Sequence start Current limit Start reverse (external contactors) Automatic restart Event log
Protection Function	Electronic overload protection, EOL; Locked rotor protection; Current underload protection

Technical UL/CSA

Beygir Gücü Anma UL/CSA	(200 ... 208 V AC) Three Phase 40 Hp (220 ... 240 V AC) Three Phase 50 Hp (440 ... 480 V AC) Three Phase 100 Hp (550 ... 600 V AC) Three Phase 125 Hp
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

Ortam Hava Sıcaklığı	Operation -25 ... +60 °C Storage -40 ... +70 °C
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Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2022-006481
RoHS Bilgileri	2CMT2022-006500
RoHS Durumu	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	2CMT2023-006524
AEEE B2C / B2B	Business To Business
AEEE Kategorisi	5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations

CQC Certificate	CQC2011010304468089
Declaration of Conformity - CCC	2020980304001545
Uygunluk Beyanı - CE	2CMT2015-005447
DNV Sertifikası	1SFC132383M0001 TAE0000342

Container Information

Paket Düzey 1 Genişlik	203 mm
Paket Seviye 1 Derinlik / Uzunluk	282 mm
Paket Seviye 1 Yükseklik	363 mm
Paket Seviye 1 Brüt Ağırlık	5.4 kg
Paket Düzey 1 EAN	7320500400685
Paket Seviye 1 Birimler	box 1 piece

External Classifications and Standards

Nesne Sınıflandırma Kodu	Q
ETIM 7	EC000640 - Soft starter
ETIM 8	EC000640 - Soft starter
ETIM 9	EC000640 - Soft starter
eSınıf	V11.0 : 27370907
UNSPSC	39121521
IDEA Granüler Kategori Kodu (IGCC)	4740 >> Soft starter

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
1SDA066917R1	KIT FC Cu XT4 3pcs	KIT FC Cu XT4 3pcs	1	piece
1SDA054988R1	KIT FC CuAl 1x185mm2 T4 3pcs	KIT FC CuAl 1x185mm2 T4 3pcs	1	piece
1SFN074707R1000	LW185 Terminal Enlargement	LW185	1	piece
1SFA899221R1002	PSLE-185 TERMINAL KIT	PSLE-185	1	piece
1SFN074810R1000	LX205 Terminal Extension	LX205	1	piece
1SFN124701R1000	LT185-AC Terminal Shroud	LT185-AC	1	piece
1SFN124703R1000	LT185-AL Terminal Shroud	LT185-AL	1	piece
1SFN074709R1000	LZ185-2C/120 Cable Clamp Connector	LZ185-2C/120	1	piece
1SFA897100R1001	PSEEK EXTERNAL KEYPAD	PSEEK	1	piece
1SFA897201R1001	PSECA USB cable	PSECA	1	piece
1SFA896312R1002	PS-FBPA Fieldbus plug kit	PS-FBPA	1	piece
1SFA899300R1020	PS-MBIA Communication Module	PS-MBIA	1	piece

katagori

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