

PRODUCT-DETAILS

# PSE142-600-70

## PSE142-600-70 Softstarter



### General Information

Global Commercial Alias	PSE142-600-70
Extended Product Type	PSE142-600-70
Product ID	1SFA897110R7000
ABB Type Designation	PSE142-600-70
EAN	7320500400685
Catalog Description	PSE142-600-70 Softstarter
Long Description	Softstarter PSE142-600-70 for max 600V main voltage and 100 - 250V 50/60Hz control supply voltage.

### Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85044090

### Popular Downloads

Data Sheet, Technical Information	1SFC132005C0201
Instructions and Manuals	1SFC132057M0201

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## Dimensions

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Product Net Width	130.000 mm
Product Net Height	295.000 mm
Product Net Depth / Length	219.500 mm
Product Net Weight	4.2 kg

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## Technical

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Rated Operational Voltage	208 ... 600 V AC
Rated Control Supply Voltage ( $U_s$ )	100 ... 250 V AC
Rated Control Circuit Voltage ( $U_c$ )	DC Operation 24 V
Rated Frequency (f)	Main Circuit 50/60 Hz Control Supply 50/60 Hz
Rated Operational Power - In-Line Connection ( $P_e$ )	(230 V) 40 kW (400 V) 75 kW (500 V) 90 kW
Rated Operational Current - In-Line Connection ( $I_e$ )	143 A
Service Factor Percentage	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	During Start 1 ... 30 second [unit of time] During Stop 0 ... 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
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*Ie for 7 sec. 50% ON Time 50% OFF Time	10
Communication	FiledBusPlug(Optional)
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00
Terminal Type	Main Circuit: Bars
Connecting Capacity Main Circuit	Hole Diameter 8.5 mm Width and Thickness 17.5x5 mm
Connecting Capacity Control Circuit	Rigid 1x2.5 mm <sup>2</sup> Rigid 2x1.5 mm <sup>2</sup>
Connecting Capacity Supply Circuit	Rigid 1x2.5 mm <sup>2</sup> Rigid 2x1.5 mm <sup>2</sup>
Tightening Torque	Main Circuit 18 N-m Supply Circuit 0.5 N-m Control Circuit 0.5 N-m
Product Main Type	PSE142

## Environmental

Ambient Air Temperature	Storage -40 ... +70 °C Operation -25 ... +60 °C
RoHS Status	Following EU Directive 2002/95/EC August 18, 2005 and amendment

## Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CMT003496
Environmental Information	1SFC132042D0201
Instructions and Manuals	1SFC132057M0201
RoHS Information	1SFC132043D0201

## Container Information

Package Level 1 Width	200 mm
Package Level 1 Depth / Length	360 mm
Package Level 1 Height	295 mm
Package Level 1 Gross Weight	4.7 kg
Package Level 1 EAN	7320500400685
Package Level 1 Units	1 piece
Package Level 2 Units	1 piece

## Classifications

Object Classification Code	Q
ETIM 4	EC002572 - Electronic motor control and protection device

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ETIM 5	EC002572 - Electronic motor control and protection device
ETIM 6	EC002572 - Motor management device

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## Categories

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Drives → Softstarters → Softstarters → PSE Softstarters → PSE142

