

PSE142-600-70



Products → Low Voltage Products and Systems → Control Products → Softstarters → Softstarters

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.

Interactive Guides

Category Related Guides:

[ABB improves mining industry efficiency - Softstarter PSTX](#)

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85044090

Popular Downloads

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

Dimensions

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

Technical

Rated Operational Voltage:	Main Circuit 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:	4xI _e 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 ... 7xI _e
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*I_e 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 ² Rigid 2x1.5 mm ²

Connecting Capacity Supply Circuit:	Rigid 1x2.5 mm ² Rigid 2x1.5 mm ²
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
E-nummer:	3302119
ETIM 4:	EC002572 - Electronic motor control and protection device
ETIM 5:	EC002572 - Electronic motor control and protection device

