

PSE142-600-70



Products Low Voltage Products and Systems Control Products Softstarters Softstarters

General Information

Extended Product Type:	PSE142-600-70
Product ID:	1SFA897110R7000
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

Additional Information

Adjustable Rated Motor Current I_e:	30 ... 100 %
Ambient Air Temperature:	Operation -25 ... +60 °C Storage -40 ... +70 °C
Analog Outputs:	4...20 mA
By-pass Signal Relay:	Yes
Communication:	FiledBusPlug(Optional)
Connecting Capacity Control Circuit:	Rigid 1x2.5 mm ² Rigid 2x1.5 mm ²
Connecting Capacity Main Circuit:	Hole Diameter 8.5 mm Width and Thickness 17.5x5 mm
Connecting Capacity Supply Circuit:	Rigid 1x2.5 mm ² Rigid 2x1.5 mm ²
Conventional Free-air Thermal Current (I_{th}):	Signal Relays 3 A
Country of Origin:	Sweden (SE)
Current Limit Function:	1.5 ... 7xI _e
Current Range:	42.9 ... 143 A
Customs Tariff Number:	85371099
Data Sheet, Technical Information:	1SFC132005C0201
Declaration of Conformity - CE:	2CMT003496
Degree of Protection:	acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00
E-number:	3302119
EAN:	7320500400685
EPLAN Catalog Tree:	Electrical engineering / Converters / General
ETIM 4:	EC002572 - Electronic motor control and protection device
ETIM 5:	EC002572 - Electronic motor control and protection device
Environmental Information:	1SFC132042D0201
Fault Signal Relay:	Yes
Industrial IT Certification Level:	0
Initial Voltage During Start:	30 ... 70 %
Instructions and Manuals:	1SFC132057M0201
Integrated Electronic Overload:	Yes
Invoice Description:	SOFTSTARTER#PSE142-600-70
Minimum Order Quantity:	1 piece
Number of Starts Per Hour at 3.5*I_e for 7 sec. 50%ON Time 50%OFF Time:	10

Object Classification Code:	Q
Overload Protection:	Build-in electronic overload protection
Overload Signal Relay:	Yes
Package Level 1 EAN:	7320500400685
Package Level 1 Gross Weight:	4.7 kg
Package Level 1 Height:	295 mm
Package Level 1 Length:	360 mm
Package Level 1 Units:	1 piece
Package Level 1 Width:	200 mm
Package Level 2 Units:	1 piece
Power Consumption:	16 V·A
Power Loss:	12.1 W
Product Main Type:	PSE142
Product Name:	SOFTSTARTER
Product Net Depth:	219.500 mm
Product Net Height:	295.000 mm
Product Net Weight:	4.2 kg
Product Net Width:	130.000 mm
Ramp Time:	During Start 1 ... 30 second [unit of time] During Stop 0 ... 30 second [unit of time]
Rated Control Circuit Voltage (U_c):	DC Operation 24 V
Rated Control Supply Voltage (U_s):	100 ... 250 V AC
Rated Frequency (f):	Main Circuit 50/60 Hz Control Supply 50/60 Hz
Rated Operational Current - In-Line Connection (I_e):	143 A
Rated Operational Current AC-15 (I_a):	(250 V) 1.5 A
Rated Operational Power - In-Line Connection (P_e):	(230 V) 40 kW (400 V) 75 kW (500 V) 90 kW
Rated Operational Voltage:	Main Circuit 208 ... 600 V AC
RoHS Date:	1042 1
RoHS Information:	1SFC132043D0201
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment
Run Signal Relay:	Yes
Selling Unit of Measure:	piece
Service Factor Percentage:	100 %
Short Description:	SOFTSTARTER#PSE142-600-70
Signal indication completed start ramp (LED):	Green
Signal indication fault (LED):	Red
Signal indication protection (LED):	Yellow
Signal indication ramping up/down (LED):	Green
Signal indication ready to start/standby ON (LED):	Green
Signal indication running R (LED):	Green
Starting Capacity at Maximum Rated Current I_e:	4xI _e for 10s
Step Down Voltage Special Ramp:	No %
Switch for Inside Delta Connection:	No

Switch for Kick Start (Kick):	Yes
Terminal Type:	Main Circuit: Bars
Tightening Torque:	Main Circuit 18 N·m Supply Circuit 0.5 N·m Control Circuit 0.5 N·m
Trip Class:	10 10A 20 30
Type of Start:	Normal

