

## General Information

|                        |   |
|------------------------|---|
| Extended Product Type: | PSE72-600-70  |
| Product ID:            | 1SFA897107R7000   |
| EAN:                   | 7320500400654   |
| Catalog Description:   | PSE72-600-70 SOFTSTARTER  |
| Long Description:      | Softstarter PSE72-600-70 for max 600V main voltage and 100 - 250V 50/60Hz control supply voltage. |

## Categories

Products » Low Voltage Products and Systems » Control Products » Softstarters » Softstarters

## Interactive Guides

Category Related Guides: [ABB improves mining industry efficiency - Softstarter PSTX](#)

## Ordering

|                         |               |
|-------------------------|---------------|
| Minimum Order Quantity: | 1 piece       |
| Customs Tariff Number:  | 85371099      |
| EAN:                    | 7320500400654 |

## Dimensions

|                     |            |
|---------------------|------------|
| Product Net Height: | 245.000 mm |
| Product Net Depth:  | 185.500 mm |
| Product Net Weight: | 2.5 kg     |
| Product Net Width:  | 90.000 mm  |

## Container Information

|                               |               |
|-------------------------------|---------------|
| Package Level 1 Length:       | 295 mm        |
| Package Level 1 Height:       | 240 mm        |
| Package Level 1 Gross Weight: | 2.75 kg       |
| Package Level 1 EAN:          | 7320500400654 |
| Package Level 1 Units:        | 1 piece       |
| Package Level 2 Units:        | 1 piece       |
| Package Level 1 Width:        | 130 mm        |

## Technical

|   |   |
|---|---|
| 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<br>Control Supply 50/60 Hz  |
| Rated Operational Power - In-Line Connection ( $P_e$ ):   | at 230 V 18.5 kW<br>at 400 V 37 kW<br>at 500 V 45 kW                                      |
| Rated Operational Current - In-Line Connection ( $I_e$ ): | 72 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]<br>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 <sup>le</sup> 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:  | Screw Terminals   |
| Connecting Capacity Main Circuit:   | Rigid 1/2x2.5 ... 70 mm <sup>2</sup>                                    |
| Connecting Capacity Control Circuit:  | Rigid 1x2.5 mm <sup>2</sup><br>Rigid 2x1.5 mm <sup>2</sup>              |
| Connecting Capacity Supply Circuit:   | Rigid 1x2.5 mm <sup>2</sup><br>Rigid 2x1.5 mm <sup>2</sup>              |
| Tightening Torque:  | Main Circuit 9 N·m<br>Supply Circuit 0.5 N·m<br>Control Circuit 0.5 N·m |
| Product Main Type:  | PSE72   |
| Rated Operational Voltage:  | Main Circuit 208 ... 600 V AC   |

## Environmental

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

## Certificates and Declarations (Document Number)

|                                    |                 |
|------------------------------------|-----------------|
| Instructions and Manuals:          | 1SFC132057M0201 |
| Data Sheet, Technical Information: | 1SFC132005C0201 |
| Declaration of Conformity - CE:    | 2CMT003496      |
| RoHS Information:                  | 1SFC132043D0201 |

## Classifications

|                             |   |
|-----------------------------|---|
| E-nummer:                   | 3302116   |
| ETIM 4:                     | EC002572 - Electronic motor control and protection device |
| ETIM 5:                     | EC002572 - Electronic motor control and protection device |
| Object Classification Code: | Q   |

