

PSE105-600-70



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

General Information

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|---------------------------------|--|
| Global Commercial Alias: | PSE105-600-70 |
| Extended Product Type: | PSE105-600-70 |
| Product ID: | 1SFA897109R7000 |
| ABB Type Designation: | PSE105-600-70 |
| EAN: | 7320500400678 |
| Catalog Description: | PSE105-600-70 SOFTSTARTER |
| Long Description: | Softstarter PSE105-600-70 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

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|--------------------------------|----------|
| Minimum Order Quantity: | 1 piece |
| Customs Tariff Number: | 85044090 |

Popular Downloads

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

Dimensions

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

Technical

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| 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) 30 kW (400 V) 55 kW (500 V) 75 kW |

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| Rated Operational Current - In-Line Connection (I_e): | 106 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: | FieldBusPlug(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 ² |
| Connecting Capacity Control Circuit: | Rigid 1x2.5 mm ² Rigid 2x1.5 mm ² |

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| Connecting Capacity Supply Circuit: | Rigid 1x2.5 mm ² Rigid 2x1.5 mm ² |
| Tightening Torque: | Main Circuit 9 N·m Supply Circuit 0.5 N·m Control Circuit 0.5 N·m |
| Product Main Type: | PSE105 |

Environmental

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|---------------------------------|---|
| 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)

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

Container Information

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| Package Level 1 Width: | 130 mm |
| Package Level 1 Depth / Length: | 295 mm |
| Package Level 1 Height: | 240 mm |
| Package Level 1 Gross Weight: | 2.75 kg |
| Package Level 1 EAN: | 7320500400678 |
| Package Level 1 Units: | 1 piece |
| Package Level 2 Units: | 1 piece |

Classifications

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|------------------------------------|---|
| Object Classification Code: | Q |
| E-nummer: | 3302118 |
| ETIM 4: | EC002572 - Electronic motor control and protection device |
| ETIM 5: | EC002572 - Electronic motor control and protection device |

