

PSR105-600-70



PSR105-600-70 SOFTSTARTER

General Information

| | |
|-------------------------|---|
| Global Commercial Alias | PSR105-600-70 |
| Extended Product Type | PSR105-600-70 |
| Product ID | 1SFA896115R7000 |
| ABB Type Designation | PSR105-600-70 |
| EAN | 7320500362655 |
| Catalog Description | PSR105-600-70 SOFTSTARTER |
| Long Description | Softstarter PSR105-600-70 for max 600V main voltage and 100-240V 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 | 1SFC132033M0001 |

Dimensions

| | |
|----------------------------|------------|
| Product Net Width | 70.000 mm |
| Product Net Height | 220.000 mm |
| Product Net Depth / Length | 180.000 mm |
| Product Net Weight | 2.27 kg |

Technical

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|--|--|
| Rated Operational Voltage | Main Circuit 208 ... 600 V AC |
| Rated Control Supply Voltage (U_s) | 100 ... 240 V AC |
| Rated Control Circuit Voltage (U_c) | 50 Hz / 60 Hz 100 ... 240 V AC |
| 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) 55 kW |
| Rated Operational Current - In-Line Connection (I_e) | 105 A |

| | |
|---|---|
| Service Factor Percentage | 100 % |
| Overload Protection | Recommended MS495 80 ... 100 |
| Integrated Electronic Overload | No |
| Adjustable Rated Motor Current Ie | No % |
| Starting Capacity at Maximum Rated Current Ie | 4xIe for 6s |
| Ramp Time | During Start 1 ... 10 second [unit of time] During Stop 0 ... 20 second [unit of time] |
| Initial Voltage During Start | 40 ... 70 % |
| Step Down Voltage Special Ramp | 100 ... 60 % |
| Current Limit Function | No |
| Switch for Inside Delta Connection | No |
| Run Signal Relay | Yes |
| By-pass Signal Relay | Yes |
| Fault Signal Relay | No |
| Overload Signal Relay | No |
| 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 |
| Number of Starts Per Hour at 3.5*Ie for 7 sec. 50% ON 10 Time 50% OFF Time | |
| Communication | FiledBusPlug(Optional) |
| Degree of Protection | acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10 |
| Terminal Type | Main Circuit: Bars |
| Connecting Capacity Main Circuit | Rigid 1x10 ... 95 mm ² Rigid 2x6 ... 35 mm ² |
| Connecting Capacity Control Circuit | Rigid 1 x 0.75 ... 2.5 mm ² Rigid 2 x 0.75 ... 1.5 mm ² |
| Connecting Capacity Supply Circuit | Rigid 1x0.75 ... 2.5 mm ² Rigid 2x0.75 ... 1.5 mm ² |
| Tightening Torque | Main Circuit 8 N·m Supply Circuit 0.6 N·m Control Circuit 0.6 N·m |
| Product Main Type | PSR105 |

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 | 1SFA1-95 |
| Environmental Information | 1SFC132038D0201 |
| Instructions and Manuals | 1SFC132033M0001 |
| RoHS Information | 1SFC132031D0202 |

Container Information

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|--------------------------------|--------|
| Package Level 1 Width | 86 mm |
| Package Level 1 Depth / Length | 230 mm |

| | |
|------------------------------|---------------|
| Package Level 1 Height | 195 mm |
| Package Level 1 Gross Weight | 2.47 kg |
| Package Level 1 EAN | 7320500362655 |
| Package Level 1 Units | 1 piece |
| Package Level 2 Units | 1 piece |

Classifications

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|----------------------------|---|
| Object Classification Code | Q |
| ETIM 4 | EC002572 - Electronic motor control and protection device |
| ETIM 5 | EC002572 - Electronic motor control and protection device |
| ETIM 6 | EC002572 - Motor management device |
| UNSPSC | 39121521 |

Categories

Drives → Softstarters → Softstarters → PSR Softstarters → PSR105

