

PRODUCT-DETAILS

# 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          | 180 mm |
| Product Net Height         | 220 mm |
| Product Net Depth / Length | 70 mm  |
| Product Net Weight         | 2.1 kg |

## Technical

|   |  |
|---|--|
| Rated Operational Voltage   | 208 ... 600 V AC   |
| Rated Control Supply Voltage (U <sub>s</sub> )                                      | 100 ... 240 V AC   |
| Rated Control Circuit Voltage (U <sub>c</sub> )                                     | 50 Hz / 60 Hz 100 ... 240 V AC                                   |
| Rated Frequency (f)   | 50/60 Hz<br>Main Circuit 50/60 Hz                                |
| Rated Operational Power - In-Line Connection (P <sub>e</sub> )                      | (230 V) 30 kW<br>(400 V) 55 kW<br>(500 V) 55 kW                  |
| Rated Operational Current - In-Line Connection (I <sub>e</sub> )                    | 105 A  |
| Service Factor Percentage   | 100 %  |
| Overload Protection   | Recommended MS495 80 ... 100                                     |
| Integrated Electronic Overload  | No   |
| Adjustable Rated Motor Current I <sub>e</sub>                                       | No   |
| Starting Capacity at Maximum Rated Current I <sub>e</sub>                           | 4xI <sub>e</sub> for 6s  |
| Ramp Time   | 0 ... 20 second [unit of time]<br>1 ... 10 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*I <sub>e</sub> for 7 sec. 50% ON Time 50% OFF Time | 10   |
| Communication   | FieldBusPlug(Optional)   |
| Degree of Protection  | IP10   |
| Terminal Type   | Main Circuit: Bars   |
| Connecting Capacity   | Rigid 1x 10 ... 95 mm <sup>2</sup>                               |

|  |  |
|--|--|
| Main Circuit                           | Rigid 2 x 6 ... 35 mm <sup>2</sup>   |
| Connecting Capacity<br>Control Circuit | Rigid 1 x 0.75 ... 2.5 mm <sup>2</sup><br>Rigid 2 x 0.75 ... 1.5 mm <sup>2</sup> |
| Connecting Capacity<br>Supply Circuit  | Rigid 1 x 0.75 ... 2.5 mm <sup>2</sup>   |
| Tightening Torque                      | Control Circuit 0.6 N·m<br>Main Circuit 8 N·m<br>Supply Circuit 0.6 N·m          |
| Product Main Type                      | PSR105   |

## Environmental

|                            |   |
|----------------------------|---|
| Ambient Air<br>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)

|                                    |                     |
|------------------------------------|---------------------|
| CQC Certificate                    | CQC2008010304295498 |
| Declaration of<br>Conformity - CCC | 2020980304001090    |
| Declaration of<br>Conformity - CE  | 1SFA1-95            |
| Environmental<br>Information       | 1SFC132038D0201     |
| Instructions and<br>Manuals        | 1SFC132033M0001     |
| RoHS Information                   | 1SFC132031D0202     |

## Container Information

|                                   |               |
|-----------------------------------|---------------|
| Package Level 1 Width             | 195 mm        |
| Package Level 1 Depth /<br>Length | 86 mm         |
| Package Level 1 Height            | 230 mm        |
| Package Level 1 Gross<br>Weight   | 2.3 kg        |
| Package Level 1 EAN               | 7320500362655 |
| Package Level 1 Units             | box 1 piece   |

## Classifications

|                               |   |
|-------------------------------|---|
| Object Classification<br>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

Low Voltage Products and Systems → Control Products → Softstarters → Softstarters → PSR Softstarters → PSR105

