

## PRODUCT-DETAILS

# PSRC16-600-70

## PSRC16-600-70 Softstarter



### General Information

|                         |                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Global Commercial Alias | PSRC16-600-70                                                                                                                                                     |
| Extended Product Type   | PSRC16-600-70                                                                                                                                                     |
| Product ID              | 1SFA896207R7000                                                                                                                                                   |
| ABB Type Designation    | PSRC16-600-70                                                                                                                                                     |
| EAN                     | 7320500465516                                                                                                                                                     |
| Catalog Description     | PSRC16-600-70 Softstarter                                                                                                                                         |
| Long Description        | Softstarter PSRC16-600-70 with fixed settings optimized for control of scroll compressors. 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 | 1SFC132006C0201 |
| Instructions and Manuals          | 1SFC132041M0001 |

### Dimensions

|                            |        |
|----------------------------|--------|
| Product Net Width          | 114 mm |
| Product Net Height         | 140 mm |
| Product Net Depth / Length | 45 mm  |
| Product Net Weight         | 0.4 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) 4 kW<br>(400 V) 7.5 kW<br>(500 V) 7.5 kW |
| Rated Operational Current - In-Line Connection (I <sub>e</sub> )                    | 16 A                                             |
| Service Factor Percentage                                                           | 100 %                                            |
| Overload Protection                                                                 | Recommended MS132 10.00 ... 16.00                |
| Integrated Electronic Overload                                                      | No                                               |
| Ramp Time                                                                           | Fixed setting<br>Fixed setting                   |
| Initial Voltage During Start                                                        | Fixed setting                                    |
| Step Down Voltage Special Ramp                                                      | Fixed setting                                    |
| Current Limit Function                                                              | No                                               |
| Switch for Inside Delta Connection                                                  | No                                               |
| Run Signal Relay                                                                    | Yes                                              |
| By-pass Signal Relay                                                                | No                                               |
| 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                                                                | IP20                                             |
| Terminal Type                                                                       | Screw Terminals                                  |
| Connecting Capacity Main Circuit                                                    | Rigid 1 x 0.75 ... 2.5 mm <sup>2</sup>           |
| Connecting Capacity Supply Circuit                                                  | Rigid 2 x 0.75 ... 1.5 mm <sup>2</sup>           |
| Tightening Torque                                                                   | Control Circuit 1 N·m<br>Main Circuit 1 N·m      |

Supply Circuit 1 N-m

|                   |        |
|-------------------|--------|
| Product Main Type | PSRC16 |
|-------------------|--------|

## 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)

|                                 |                     |
|---------------------------------|---------------------|
| CQC Certificate                 | CQC2006010304208085 |
| Declaration of Conformity - CCC | 2020980304001087    |
| Declaration of Conformity - CE  | 2CMT003878          |
| Environmental Information       | 1SFC132038D0201     |
| Instructions and Manuals        | 1SFC132041M0001     |
| RoHS Information                | 1SFC132031D0202     |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Width          | 121 mm        |
| Package Level 1 Depth / Length | 50 mm         |
| Package Level 1 Height         | 156 mm        |
| Package Level 1 Gross Weight   | 0.5 kg        |
| Package Level 1 EAN            | 7320500465516 |
| Package Level 1 Units          | box 1 piece   |

## Classifications

|                            |                                                           |
|----------------------------|-----------------------------------------------------------|
| 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 → PSRC16

Low Voltage Products and Systems → Control Products → Softstarters → Softstarters → PSR Softstarters → PSRC16

