

# PSR25-600-70



PSR25-600-70 SOFTSTARTER

## General Information

|                         |  |
|-------------------------|--|
| Global Commercial Alias | PSR25-600-70   |
| Extended Product Type   | PSR25-600-70   |
| Product ID              | 1SFA896108R7000  |
| ABB Type Designation    | PSR25-600-70   |
| EAN                     | 7320500338285  |
| Catalog Description     | PSR25-600-70 SOFTSTARTER   |
| Long Description        | Softstarter PSR25-600-70 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          | 1SFC132031M0001 |

## Dimensions

|                            |            |
|----------------------------|------------|
| Product Net Width          | 45.000 mm  |
| Product Net Height         | 160.000 mm |
| Product Net Depth / Length | 128.000 mm |
| Product Net Weight         | 0.65 kg    |

## Technical

|  |  |
|--|--|
| 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<br>Control Supply 50/60 Hz |
| Rated Operational Power - In-Line Connection ( $P_e$ )   | (230 V) 5.5 kW<br>(400 V) 11 kW<br>(500 V) 15 kW |
| Rated Operational Current - In-Line Connection ( $I_e$ ) | 25 A   |

|  |   |
|--|---|
| Service Factor Percentage  | 100 %   |
| Overload Protection  | Recommended MS132 20 ... 25   |
| 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]<br>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<br>Time 50% OFF Time | 10  |
| Communication  | FiledBusPlug(Optional)  |
| Degree of Protection   | acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20                              |
| Terminal Type  | Screw Terminals   |
| Connecting Capacity Main Circuit   | Rigid 1/2x2.5 ... 10 mm <sup>2</sup>  |
| Connecting Capacity 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 Supply Circuit   | Rigid 1x0.75 ... 2.5 mm <sup>2</sup><br>Rigid 2x0.75 ... 1.5 mm <sup>2</sup>              |
| Tightening Torque  | Main Circuit 2.3 N·m<br>Supply Circuit 0.6 N·m<br>Control Circuit 0.6 N·m                 |
| Product Main Type  | PSR25   |

## Environmental

|                         |   |
|-------------------------|---|
| Ambient Air Temperature | Storage -40 ... +70 °C<br>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 | 1SFA1-90        |
| Environmental Information      | 1SFC132038D0201 |
| Instructions and Manuals       | 1SFC132031M0001 |
| RoHS Information               | 1SFC132031D0202 |

## Container Information

|                                |        |
|--------------------------------|--------|
| Package Level 1 Width          | 51 mm  |
| Package Level 1 Depth / Length | 178 mm |

|                              |               |
|------------------------------|---------------|
| Package Level 1 Height       | 137 mm        |
| Package Level 1 Gross Weight | 0.75 kg       |
| Package Level 1 EAN          | 7320500338285 |
| Package Level 1 Units        | 1 piece       |
| Package Level 2 Units        | 1 piece       |

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## Classifications

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|                            |   |
|----------------------------|---|
| Object Classification Code | Q   |
| E-nummer                   | 3302047   |
| ETIM 4                     | EC002572 - Electronic motor control and protection device |
| ETIM 5                     | EC002572 - Electronic motor control and protection device |
| UNSPSC                     | 39121521  |

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## Categories

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

