

## PRODUCT-DETAILS

# PSTX570-690-70

## PSTX570-690-70 Softstarter



### General Information

|                         |                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------|
| Global Commercial Alias | PSTX570-690-70                                                                                      |
| Extended Product Type   | PSTX570-690-70                                                                                      |
| Product ID              | 1SFA898217R7000                                                                                     |
| ABB Type Designation    | PSTX570-690-70                                                                                      |
| EAN                     | 7320500508978                                                                                       |
| Catalog Description     | PSTX570-690-70 Softstarter                                                                          |
| Long Description        | Softstarter PSTX570-600-70 for max 690V main voltage and 100 - 250V 50/60Hz control supply voltage. |

### Ordering

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

### Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SFC132009C0201 |
| Instructions and Manuals          | 1SFC132081M0201 |

### Dimensions

|                            |        |
|----------------------------|--------|
| Product Net Width          | 361 mm |
| Product Net Height         | 493 mm |
| Product Net Depth / Length | 282 mm |
| Product Net Weight         | 27 kg  |

## Technical

|                                                                  |                                                                          |
|------------------------------------------------------------------|--------------------------------------------------------------------------|
| Rated Operational Voltage                                        | 208 ... 690 V AC                                                         |
| Rated Control Supply Voltage (U <sub>s</sub> )                   | 100 ... 250 V AC                                                         |
| Rated Control Circuit Voltage (U <sub>c</sub> )                  | DC Operation 24 V                                                        |
| Rated Frequency (f)                                              | Main Circuit 50/60 Hz                                                    |
| Rated Operational Power - In-Line Connection (Pe)                | (230 V) 160 kW<br>(400 V) 315 kW<br>(500 V) 400 kW<br>(690 V) 560 kW     |
| Rated Operational Current - In-Line Connection (I <sub>e</sub> ) | 570 A                                                                    |
| Rated Operational Power - Inside Delta Connection                | at 230 V 295 kW<br>at 400 V 540 kW<br>at 500 V 700 kW<br>at 690 V 960 kW |
| Rated Operational Current - Inside Delta Connection              | 987 A                                                                    |
| Service Factor Percentage                                        | 100 %                                                                    |
| Overload Protection                                              | Built-in electronic overload protection                                  |
| Integrated Electronic Overload                                   | Yes                                                                      |
| Adjustable Rated Motor Current I <sub>e</sub>                    | 30 ... 100 %                                                             |
| Starting Capacity at Maximum Rated Current I <sub>e</sub>        | 4xI <sub>e</sub> for 10s                                                 |
| Ramp Time                                                        | 1 ... 120 second [unit of time]                                          |
| Initial Voltage During Start                                     | 10 ... 99 %                                                              |
| Step Down Voltage Special Ramp                                   | 100 ... 10 %                                                             |
| Switch for Inside Delta Connection                               | Yes                                                                      |
| Run Signal Relay                                                 | Yes                                                                      |
| By-pass Signal Relay                                             | Yes                                                                      |
| Fault Signal Relay                                               | Yes                                                                      |
| Overload Signal Relay                                            | Yes                                                                      |
| Signal indication ready to start/standby ON (LED)                | Green                                                                    |
| Signal indication running R (LED)                                | Green                                                                    |
| Signal indication protection (LED)                               | Yellow                                                                   |
| Signal indication fault (LED)                                    | Red                                                                      |
| Communication                                                    | Built in Modbus interface, Anybus, FieldBusPlug (with adapter).          |
| Degree of Protection                                             | IP00                                                                     |
| Connecting Capacity Control Circuit                              | Rigid 1 x 2.5 mm <sup>2</sup>                                            |

|                                       |                               |
|---------------------------------------|-------------------------------|
| Connecting Capacity<br>Supply Circuit | Rigid 1 x 2.5 mm <sup>2</sup> |
| Product Main Type                     | PSTX570                       |

## 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                    | CN: CQC2015010304806588 / SE: CQC2015010304797766 |
| Declaration of<br>Conformity - CCC | CN: 2020980304001094 / SE: 2020980304001859       |
| Declaration of<br>Conformity - CE  | 2CMT005209                                        |
| Environmental<br>Information       | 2CMT005232                                        |
| Instructions and<br>Manuals        | 1SFC132081M0201                                   |
| RoHS Information                   | 2CMT005210                                        |

## Container Information

|                                   |               |
|-----------------------------------|---------------|
| Package Level 1 Width             | 470 mm        |
| Package Level 1 Depth /<br>Length | 381 mm        |
| Package Level 1 Height            | 650 mm        |
| Package Level 1 Gross<br>Weight   | 31 kg         |
| Package Level 1 EAN               | 7320500508978 |
| Package Level 1 Units             | box 1 piece   |

## Classifications

|                               |                                    |
|-------------------------------|------------------------------------|
| Object Classification<br>Code | Q                                  |
| ETIM 6                        | EC002572 - Motor management device |
| UNSPSC                        | 39121521                           |

## Categories

Drives → Softstarters → Softstarters → PSTX Softstarters → PSTX570

Low Voltage Products and Systems → Control Products → Softstarters → Softstarters → PSTX Softstarters → PSTX570

