



**Electric Automation**  
Automation specialists

Reference: PSS105/181-690F  
Code: 1SFA893009R1001

PSS105/181-690F SOFTSTARTER

Buy it at Electric Automation Network



Softstarter PSS105/181-690F for max 690V main voltage and 110 - 120V 50/60Hz control supply voltage having a NO fault contact

### Ordering

EAN:	7320500215654
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85371099

### Dimensions

Product Net Width:	181.000 mm
Product Net Height:	340.000 mm
Product Net Depth:	265.000 mm
Product Net Weight:	12.3 kg

### Container Information

Package Level 1 Width:	235 mm
Package Level 1 Length:	450 mm
Package Level 1 Height:	315 mm
Package Level 1 Gross Weight:	11.6 kg
Package Level 1 EAN:	7320500215654
Package Level 1 Units:	1 piece
Package Level 2 Units:	1 piece

## Technical

Rated Operational Voltage:	Main Circuit 400 ... 690 V AC
Rated Control Supply Voltage ( $U_s$ ):	110 ... 120 V AC
Rated Control Circuit Voltage ( $U_c$ ):	DC Operation 24 V
Rated Frequency (f):	Control Supply 50/60 Hz Main Circuit 50/60 Hz
Rated Operational Power - In-Line Connection ( $P_e$ ):	at 690 V 90 kW at 500 V 75 kW at 400 V 55 kW
Rated Operational Current - In-Line Connection ( $I_e$ ):	105 A
Rated Operational Power - Inside Delta Connection:	at 690 V 160 kW at 500 V 110 kW at 400 V 90 kW
Rated Operational Current - Inside Delta Connection:	181 A
Service Factor Percentage:	115 %
Overload Protection:	Recommended TA110DU 65 ... 105
Integrated Electronic Overload:	No
Adjustable Rated Motor Current $I_e$ :	No %
Starting Capacity at Maximum Rated Current $I_e$ :	4x $I_e$ for 10s
Ramp Time:	During Stop 0 ... 30 second(s) During Start 1 ... 30 second(s)
Initial Voltage During Start:	30 ... 70 %
Step Down Voltage Special Ramp:	No %
Current Limit Function:	1.5 ... 4 x $I_e$ if current transformer is connected
Switch for Inside Delta Connection:	Yes
Run Signal Relay:	No
By-pass Signal Relay:	Yes
Fault Signal Relay:	Yes, NO contact
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 fault (LED):	Red
Number of Starts Per Hour at 3.5* $I_e$ for 7 sec. 50% ON Time 50% OFF Time:	30
Communication:	No
Degree of Protection:	acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00
Terminal Type:	Main Circuit: Bars
Connecting Capacity-Main Circuit:	Hole Diameter 8.5 mm Width and Thickness 17.5x5 mm

Connecting Capacity-Control Circuit:	Rigid 2.5 mm <sup>2</sup>
Connecting Capacity-Supply Circuit:	Rigid 2.5 mm <sup>2</sup>
Tightening Torque:	Control Circuit 0.5 N·m Supply Circuit 0.5 N·m Main Circuit 18 N·m
Product Main Type:	PSS105/181

## Certificates and Declarations (Document Number)

Declaration of Conformity - CE:	1SFA1-47
RoHS Information:	1SFC132034D0202

## 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

## Classifications

UNSPSC:	39121521
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