

PRODUCT-DETAILS

# PSR85-600-70

## PSR85-600-70 Softstarter



### General Information

Global Commercial Alias	PSR85-600-70
Extended Product Type	PSR85-600-70
Product ID	1SFA896114R7000
ABB Type Designation	PSR85-600-70
EAN	7320500362631
Catalog Description	PSR85-600-70 Softstarter
Long Description	Softstarter PSR85-600-70 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

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## Dimensions

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Product Net Width	70.000 mm
Product Net Height	220.000 mm
Product Net Depth / Length	180.000 mm
Product Net Weight	2.27 kg

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## Technical

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Rated Operational Voltage	208 ... 600 V AC
Rated Control Supply Voltage ( $U_c$ )	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 Control Supply 50/60 Hz
Rated Operational Power - In-Line Connection ( $P_e$ )	(230 V) 22 kW (400 V) 45 kW (500 V) 55 kW
Rated Operational Current - In-Line Connection ( $I_e$ )	85 A
Service Factor Percentage	100 %
Overload Protection	Recommended MS495 70 ... 90
Integrated Electronic Overload	No
Adjustable Rated Motor Current $I_e$	No %
Starting Capacity at Maximum Rated Current $I_e$	4xle for 6s
Ramp Time	During Start 1 ... 10 second [unit of time] 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	10

Hour at 3.5\*Ie for 7 sec.  
50% ON Time 50% OFF  
Time

Communication	FiledBusPlug(Optional)
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10
Terminal Type	Main Circuit: Bars
Connecting Capacity Main Circuit	Rigid 1x10 ... 95 mm <sup>2</sup> Rigid 2x6 ... 35 mm <sup>2</sup>
Connecting Capacity Control Circuit	Rigid 1 x 0.75 ... 2.5 mm <sup>2</sup> Rigid 2 x 0.75 ... 1.5 mm <sup>2</sup>
Connecting Capacity Supply Circuit	Rigid 1x0.75 ... 2.5 mm <sup>2</sup> Rigid 2x0.75 ... 1.5 mm <sup>2</sup>
Tightening Torque	Main Circuit 8 N·m Supply Circuit 0.6 N·m Control Circuit 0.6 N·m
Product Main Type	PSR85

## 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

## Certificates and Declarations (Document Number)

Declaration of Conformity - CE	1SFA1-95
Environmental Information	1SFC132038D0201
Instructions and Manuals	1SFC132033M0001
RoHS Information	1SFC132031D0202

## Container Information

Package Level 1 Width	86 mm
Package Level 1 Depth / Length	230 mm
Package Level 1 Height	195 mm
Package Level 1 Gross Weight	2.47 kg
Package Level 1 EAN	7320500362631
Package Level 1 Units	1 piece
Package Level 2 Units	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

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## Categories

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Drives → Softstarters → Softstarters → PSR Softstarters → PSR85

