

## General Information

Extended Product Type:	PSE45-600-70
Product ID:	1SFA897105R7000
EAN:	7320500400630
Catalog Description:	PSE45-600-70 SOFTSTARTER
Long Description:	Softstarter PSE45-600-70 for max 600V main voltage and 100 - 250V 50/60Hz control supply voltage.

## Categories

Products » Low Voltage Products and Systems » Control Products » Softstarters » Softstarters

## Interactive Guides

Category Related Guides: [ABB improves mining industry efficiency - Softstarter PSTX](#)

## Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85371099
EAN:	7320500400630

## Dimensions

Product Net Height:	245.000 mm
Product Net Depth:	185.500 mm
Product Net Weight:	2.4 kg
Product Net Width:	90.000 mm

## Container Information

Package Level 1 Length:	295 mm
Package Level 1 Height:	240 mm
Package Level 1 Gross Weight:	2.65 kg
Package Level 1 EAN:	7320500400630
Package Level 1 Units:	1 piece
Package Level 2 Units:	1 piece
Package Level 1 Width:	130 mm

## Technical

Rated Control Supply Voltage ( $U_s$ ):	100 ... 250 V AC
Rated Control Circuit Voltage ( $U_c$ ):	DC Operation 24 V
Rated Frequency (f):	Main Circuit 50/60 Hz Control Supply 50/60 Hz
Rated Operational Power - In-Line Connection ( $P_e$ ):	at 230 V 11 kW at 400 V 22 kW at 500 V 30 kW
Rated Operational Current - In-Line Connection ( $I_e$ ):	45 A
Service Factor Percentage:	100 %
Overload Protection:	Build-in electronic overload protection
Integrated Electronic Overload:	Yes
Adjustable Rated Motor Current $I_e$ :	30 ... 100 %
Starting Capacity at Maximum Rated Current $I_e$ :	4xle for 10s
Ramp Time:	During Start 1 ... 30 second [unit of time] During Stop 0 ... 30 second [unit of time]
Initial Voltage During Start:	30 ... 70 %
Step Down Voltage Special Ramp:	No %
Current Limit Function:	1.5 ... 7xle
Switch for Inside Delta Connection:	No
Run Signal Relay:	Yes
By-pass Signal Relay:	Yes
Fault Signal Relay:	Yes
Overload Signal Relay:	Yes
Analog Outputs:	4...20 mA
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
Signal indication protection (LED):	Yellow
Signal indication fault (LED):	Red
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:	acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00
Terminal Type:	Screw Terminals
Connecting Capacity Main Circuit:	Rigid 1/2x2.5 ... 70 mm <sup>2</sup>
Connecting Capacity Control Circuit:	Rigid 1x2.5 mm <sup>2</sup> Rigid 2x1.5 mm <sup>2</sup>
Connecting Capacity Supply Circuit:	Rigid 1x2.5 mm <sup>2</sup> Rigid 2x1.5 mm <sup>2</sup>
Tightening Torque:	Main Circuit 9 N·m Supply Circuit 0.5 N·m Control Circuit 0.5 N·m
Product Main Type:	PSE45
Rated Operational Voltage:	Main Circuit 208 ... 600 V AC

## Environmental

Ambient Air Temperature:	Operation -25 ... +60 °C Storage -40 ... +70 °C
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment

## Certificates and Declarations (Document Number)

Instructions and Manuals:	1SFC132057M0201
Data Sheet, Technical Information:	1SFC132005C0201
Declaration of Conformity - CE:	2CMT003496
RoHS Information:	1SFC132043D0201

## Classifications

E-nummer:	3302114
ETIM 4:	EC002572 - Electronic motor control and protection device
ETIM 5:	EC002572 - Electronic motor control and protection device
Object Classification Code:	Q

