PSE45-600-70

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

General Information

Global Commercial Alias:	PSE45-600-70
Extended Product Type:	PSE45-600-70
Product ID:	1SFA897105R7000
ABB Type Designation:	PSE45-600-70
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.

Interactive Guides

Category Related Guides:

ABB improves mining industry efficiency - Softstarter PSTX

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85044090

Popular Downloads

Data Sheet, Technical Information:	1SFC132005C0201
Instructions and Manuals:	1SFC132057M0201

Dimensions

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

Technical

Rated Operational Voltage:	Main Circuit 208 ... 600 V AC
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 (Pe):	(230 V) 11 kW (400 V) 22 kW (500 V) 30 kW

Rated Operational Current - In-Line Connection (Ie):	45 A
Service Factor Percentage:	100 %
Overload Protection:	Build-in electronic overload protection
Integrated Electronic Overload:	Yes
Adjustable Rated Motor Current Ie:	30 ... 100 %
Starting Capacity at Maximum Rated Current Ie:	4xIe 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 … 7xIe
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*Ie for 7 sec. 50% ON Time 50% OFF Time:	10
Communication:	FiledBusPlug(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 mm²
Connecting Capacity Control Circuit:	Rigid 1x2.5 mm² Rigid 2x1.5 mm²

Connecting Capacity Supply Circuit:	Rigid 1x2.5 mm² Rigid 2x1.5 mm²
Tightening Torque:	Main Circuit 9 N·m Supply Circuit 0.5 N·m Control Circuit 0.5 N·m
Product Main Type:	PSE45

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:	2CMT003496
Environmental Information:	1SFC132042D0201
Instructions and Manuals:	1SFC132057M0201
RoHS Information:	1SFC132043D0201

Container Information

Package Level 1 Width:	130 mm
Package Level 1 Depth / 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

Classifications

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


1
L1
3
L2
5
L3
Ready
Run
Protection
Fault
Exit
Select
Reset