

General Information

Extended Product Type:	PST85-690-70
Product ID:	1SFA895008R7000
EAN:	7320500255759
Catalog Description:	PST85-690-70 SOFTSTARTER
Long Description:	Softstarter PST85-690-70 for max 690V main voltage and 110 - 240V 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

EAN:	7320500255759
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85371099

Dimensions

Product Net Width:	186.000 mm
Product Net Height:	390.000 mm
Product Net Depth:	270.000 mm
Product Net Weight:	11.2 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:	12.5 kg
Package Level 1 EAN:	7320500255759
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):	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 400 V 45 kW at 500 V 55 kW at 690 V 75 kW
Rated Operational Current - In-Line Connection (I_e):	85 A
Rated Operational Power - Inside Delta Connection:	at 400 V 75 kW at 500 V 90 kW at 690 V 132 kW
Rated Operational Current - Inside Delta Connection:	147 A
Service Factor Percentage:	115 %
Overload Protection:	Build-in electronic overload protection
Integrated Electronic Overload:	Yes
Adjustable Rated Motor Current I_e :	30 ... 115 %
Starting Capacity at Maximum Rated Current I_e :	3x I_e for 15s
Ramp Time:	During Start 1 ... 30 second [unit of time] During Start 1 ... 120 second [unit of time] During Stop 0 ... 30 second [unit of time] During Stop 0 ... 120 second [unit of time]
Initial Voltage During Start:	30 ... 70 %
Step Down Voltage Special Ramp:	100...30 %
Current Limit Function:	1.5 ... 7x I_e

Switch for Inside Delta Connection:	Yes
Run Signal Relay:	Yes
By-pass Signal Relay:	Yes
Fault Signal Relay:	Yes
Overload Signal Relay:	Yes
Analog Outputs:	0...10 volts 0...20 mA 4...20 mA
Signal indication ready to start/standby ON (LED):	Green
Signal indication protection (LED):	Yellow
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:	FiledBusPlug(Standard)
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 1x2.5 mm ² Rigid 2x1.5 mm ²
Connecting Capacity Supply Circuit:	Rigid 1x2.5 mm ² Rigid 2x1.5 mm ²
Tightening Torque:	Main Circuit 18 N·m Supply Circuit 0.5 N·m Control Circuit 0.5 N·m
Product Main Type:	PST85

Environmental

Ambient Air Temperature:	Operation 0 ... +50 °C Storage -25 ... +70 °C
Battery Information:	Button Cell Yes Contains Cd <0.01 % Contains Hg <0.01 % Contains Pb <0.01 % Type Portable Weight 0.0031 kg
RoHS Status:	No declaration needed

Certificates and Declarations (Document Number)

Data Sheet, Technical Information:	1SFC132005C0201
Declaration of Conformity - CE:	1SFA1-74
RoHS Information:	1SFC132035D0201
Instructions and Manuals:	1SFC132003M0201

Classifications

Object Classification Code:	Q
E-nummer:	3302176
ETIM 4:	EC002572 - Electronic motor control and protection device
ETIM 5:	EC002572 - Electronic motor control and protection device
UNSPSC:	39121521

