

PRODUCT-DETAILS

PSTX170-690-70

PSTX170-690-70 Softstarter



General Information

Global Commercial Alias	PSTX170-690-70
Extended Product Type	PSTX170-690-70
Product ID	1SFA898211R7000
ABB Type Designation	PSTX170-690-70
EAN	7320500501443
Catalog Description	PSTX170-690-70 Softstarter
Long Description	Softstarter PSTX170-690-70 for max 690V main voltage and 100 - 250V 50/60Hz control supply voltage.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85044090

Popular Downloads

Data Sheet, Technical Information	1SFC132009C0201
Instructions and Manuals	1SFC132081M0201

Dimensions

Product Net Width	199 mm
Product Net Height	377 mm
Product Net Depth / Length	283 mm
Product Net Weight	8.9 kg

Technical

Rated Operational Voltage	208 ... 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
Rated Operational Power - In-Line Connection (P_e)	(230 V) 45 kW (400 V) 90 kW (500 V) 110 kW (690 V) 160 kW
Rated Operational Current - In-Line Connection (I_e)	170 A
Rated Operational Power - Inside Delta Connection	at 230 V 90 kW at 400 V 160 kW at 500 V 200 kW at 690 V 257 kW
Rated Operational Current - Inside Delta Connection	300 A
Service Factor Percentage	100 %
Overload Protection	Built-in electronic overload protection
Integrated Electronic Overload	Yes
Adjustable Rated Motor Current I_e	30 ... 100 %
Starting Capacity at Maximum Rated Current I_e	4x I_e for 10s
Ramp Time	1 ... 120 second [unit of time]
Initial Voltage During Start	10 ... 99 %
Step Down Voltage Special Ramp	100 ... 10 %
Current Limit Function	1.5 ... 7.5 x 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 V, 0...20 mA, 4...20 mA
Signal indication ready to start/standby ON (LED)	Green
Signal indication running R (LED)	Green

Signal indication protection (LED)	Yellow
Signal indication fault (LED)	Red
Communication	Built in Modbus interface, Anybus, FieldBusPlug (with adapter).
Degree of Protection	IP00
Terminal Type	Main Circuit: Bars
Connecting Capacity Main Circuit	Hole Diameter 8.5 MMT mm ²
Connecting Capacity Control Circuit	Rigid 1 x 2.5 mm ²
Connecting Capacity Supply Circuit	Rigid 1 x 2.5 mm ²
Tightening Torque	Main Circuit 14 N·m
Product Main Type	PSTX170

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)

CQC Certificate	CN: CQC2014010304744407 / SE: CQC2014010304724379
Declaration of Conformity - CCC	CN: 2020980304001092 / SE: 2020980304001485
Declaration of Conformity - CE	2CMT005209
Environmental Information	2CMT005232
Instructions and Manuals	1SFC132081M0201
RoHS Information	2CMT005210

Container Information

Package Level 1 Width	263 mm
Package Level 1 Depth / Length	323 mm
Package Level 1 Height	454 mm
Package Level 1 Gross Weight	10.4 kg
Package Level 1 EAN	7320500501443
Package Level 1 Units	box 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

Categories

Drives → Softstarters → Softstarters → PSTX Softstarters → PSTX170

Low Voltage Products and Systems → Control Products → Softstarters → Softstarters → PSTX Softstarters → PSTX170

