GE Service Manual

PST250-600-70

1. Description

General Information

3. Product Information

General Information

Extended Product Type:

PST250-600-70

Product ID:

1SFA894013R7000

EAN:

7320500255612

Catalog Description:

PST250-600-70 Softstarter - 250 A - Main Circuit 208 ... 600 V AC

Long Description:

Softstarter PST250-600-70 for max 600V main voltage and 110 - 240V 50/60Hz control supply voltage

Ordering

Minimum Order Quantity:

1 piece

Customs Tariff Number:

8503009999

Dimensions

Product Net Width:

360 mm

Product Net Height:

420 mm

Product Net Depth / Length:

270 mm

Product Net Weight:

23 kg

Technical

Rated Operational Voltage:

Main Circuit 208 ... 600 V AC

Rated Control Supply Voltage (Us):

100 ... 250 V AC

Rated Control Circuit Voltage (Uc):

DC Operation 24 V

Rated Frequency (f):

50/60 Hz

Main Circuit 50 / 60 Hz

Rated Operational Power - In-Line Connection (Pe):

(400 V) 132 kW

(500 V) 160 kW

Rated Operational Current - In-Line Connection (Ie):

250 A

Rated Operational Power - Inside Delta Connection:

at 400 V 220 kW

at 500 V 295 kW

Rated Operational Current - Inside Delta Connection:

430 A

Service Factor Percentage:

115 %

Overload Protection:

Build-in electronic overload protection

Integrated Electronic Overload:

Yes

Starting Capacity at Maximum Rated Current Ie:

3xIe for 15s

Ramp Time:

0 ... 120 s

1 ... 120 s

Initial Voltage During Start:

30 ... 70 %

Step Down Voltage Special Ramp:

100 ... 30 %

Current Limit Function:

1.5 ... 7xIe

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*Ie 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 10.2 mm

Width and Thickness 20x5 mm

Connecting Capacity Control Circuit:

Rigid 1 x 2.5 mm²

Rigid 2 x 1.5 mm²

Connecting Capacity Supply Circuit:

Rigid 1 x 2.5

Tightening Torque:

Control Circuit 0.5 N·m

Main Circuit 28 N·m

Supply Circuit 0.5 N·m

Product Main Type:

PST250

Environmental

Ambient Air Temperature:

Operation 0 ... +50 °C

Storage -25 ... +70 °C

Material Compliance

Conflict Minerals Reporting Template (CMRT):

CMRT - Conflict Minerals Reporting Template

RoHS Declaration:

1SFC132035D0201

WEEE B2C / B2B:

Business To Business

WEEE Category:

5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations

Declaration of Conformity - CE:

1SFA1-74

Container Information

Package Level 1 Width:

400 mm

Package Level 1 Depth / Length:

475 mm

Package Level 1 Height:

310 mm

Package Level 1 Gross Weight:

24.6 kg

Package Level 1 EAN:

7320500255612

Package Level 1 Units:

1 piece