

PRODUCT-DETAILS

PSTX142-600-70

PSTX142-600-70 Softstarter - 142 A - 208 ... 600 V AC



Algemene informatie

Globaal commercieel alias	PSTX142-600-70
Type	PSTX142-600-70
Artikelnummer	1SFA898110R7000
Type	PSTX142-600-70
EAN	7320500501467
Omschrijving	PSTX142-600-70 Softstarter - 142 A - 208 ... 600 V AC

Omschrijving

The softstarter PSTX142-600-70 has a rated maximum operational current of 142 A with an operating voltage span from 208...600 V AC. The rated control voltage is between 100...250 V AC at 50/60 Hz. PSTX features a three-phase control soft start and stop through a voltage or a torque ramp. It has built-in bypass for easy installation and energy saving. A RUN, TOR and Event signal is available from relay outputs in NO (normally open state). The PSTX has functions such as current limit, kickstart, analog output, EOL, motor heating and pump cleaning. PSTX also features jog, braking, stand-still brake, diagnostics, sequence start and emergency/fire pump mode as standard. To interact with PSTX, it has a detachable full graphic display with IP66 and 4x outdoor rating. There are four ways to communicate with PSTX. It can be done by hardwire inputs Start/Stop/Reset of fault, and by three programmable digital inputs. Another popular option is the built-in Fieldbus communication Modbus RTU and incl optional ANYBUS modules with every major protocol such as for example Profinet, Profibus, Modbus TCP, Ethernet IP and others. Another way to communicate with PSTX is to use an external adaptor and a Fieldbus plug. PSTX is the complete alternative for any motor starting application. It's suitable for medium to large-sized three-phase motors with nominal currents from 30...1250 A inline connection or 52...2160 A inside delta connection. Typical applications are, for example, pumps, fans, compressors, and conveyors.

Ordering

Minimale bestelhoeveelheid	1 stuk
Nummer douanetarief	85371091

Popular Downloads

Gegevensblad, technische informatie	1SFC132012C0201
Instructies en handleidingen	1SFC132081M0201
CAD Dimensional Drawing	2CDC001079B0201
Schakelschema	N/A

Dimensions

Product netto breedte	199 mm
Product netto hoogte	377 mm
Product netto diepte	283 mm
Product netto gewicht	7 kg

Technical

Nominaal bedrijfsvoltage	208 ... 600 V AC
Nominaal stuurvoltage (U_s)	100 ... 250 V AC
Nominale stuurstroomkringspanning (U_c)	24 V DC
Toegekende frequentie (f)	50/60 Hz Main Circuit 50 / 60 Hz
Nominaal bedrijfsvermogen - In-line verbinding (Pe)	(230 V) 37 kW (400 V) 75 kW (500 V) 90 kW
Nominale bedrijfsstroom - In-line verbinding (Ie)	142 A
Nominaal bedrijfsvermogen - In Delta-verbinding	at 230 V 75 kW at 400 V 132 kW at 500 V 160 kW
Nominale bedrijfsstroom - In Delta-verbinding	245 A
Servicefactorpercentage	100 %
Overbelastingsbeveiliging	Built-in electronic overload protection
Geïntegreerde elektronische overbelasting	Yes
Instelbare nominale motorstroom, Ie	30 ... 100 %
Startcapaciteit bij	4xIe for 10s

maximale nominale
stroom, dwz

Ramp tijd	1 ... 120 seconde
Initiële spanning tijdens start	10 ... 99 %
Stap omlaag voltage speciaal helling	100 ... 10 %
Stroombegrenzingsfunctie	1.5 ... 7.5 xle
Schakelaar voor Inside Delta-verbinding	Yes
Loopsignaalrelais	Yes
By-pass signaalrelais	Yes
Foutsignaalrelais	Yes
Overbelastingsignaalrelais	Yes
Analoge uitvoer	0...10 V, 0...20 mA, 4...20 mA
Signaalindicatie klaar om te starten/stand-by AAN (LED)	Green
Signaalindicatie lopen R (LED)	Green
Signaalindicatie bescherming (LED)	Yellow
Signaalindicatie fout (LED)	Red
Communicatie	Modbus-RTU; Modbus-TCP; Ethernet-IP; EtherCAT; DeviceNet; CANopen; Profibus; Profinet; BACnet-IP; BACnet-MSTP
Beschermingsgraad	IP00
Terminaltype	Main Circuit: Bars
Verbindingscapaciteit hoofdcircuit	Hole Diameter 8.5 mm
Verbindingscapaciteit controlecircuit	Rigid 1 x 2.5 mm ²
Verbindingscapaciteit aanvoercircuit	Rigid 1 x 2.5 mm ²
Aanhaalmoment	Main Circuit 14 N·m
Product hoofdtype	PSTX142
Functie	<ul style="list-style-type: none"> Auto phase sequence detection Automatic restart Current limit Current limit ramp Dual current limit Dynamic brake Electricity metering Electronic overload Time-to-cool Emergency mode Event log Full voltage start Jog with slow speed, forward and reverse Keypad password Kick start Limp mode with two-phase motor control if one set of thyristors is shorted Motor heating Pre-start function Pump cleaning Real time clock Sequence start Soft start with torque control Soft start with voltage ramp

Soft stop with torque control
 Soft stop with voltage ramp
 Stand still brake
 Start reverse (external contactors)
 Thyristor runtime measurement
 Torque limit
 Voltage sags detection

Protection Function	Bypass open protection; Current imbalance protection; Current underload protection; Dual overload (separate overload for start and run); Earth fault protection / ground fault protection; Electronic overload protection, EOL; Extension IO failure protection; Fieldbus failure protection; HMI failure protection; Locked rotor protection; Max number of starts/hour; Over voltage protection; Phase reversal protection; Power factor underload protection; PT-100 connection; PTC connection; Too long current limit protection; Too long start time protection; Under voltage protection; User defined protection; Voltage imbalance protection
Warning Details	Current imbalance warning; Current underload warning; Electronic overload Time-to-trip; EOL warning; Faulty fan warning; Locked rotor warning; Motor runtime limit warning; Over voltage warning; Phase loss warning (for standby); Power factor underload warning; Short circuit warning (for Limp mode); THD(U) - Total Harmonic Distortion warning; Thyristor overload warning (SCR); Under voltage warning; Voltage imbalance warning

Technical UL/CSA

Maximale bedrijfsspanning UL/CSA	Main Circuit 600 V
Aanhaalmoment UL/CSA	Main Circuit 123.9

Environmental

Omgevingsluchttemperatuur	Werking -25 ... +60 °C Opslag -40 ... +70 °C
Beschermingsgraad	IP00
RoHS-status	Following EU Directive 2002/95/EC August 18, 2005 and amendment

Certificates and Declarations

CQC-certificaat	CN: CQC2014010304744407 / SE: CQC2014010304724379
Declaration of Conformity - CCC	CN: 2020980304001092 / SE: 2020980304001485
Conformiteitsverklaring - CE	2CMT005209

Container Information

Pakketniveau 1 Breedte	263 mm
Pakketniveau 1 Lengte	323 mm
Pakketniveau 1 Hoogte	454 mm
Pakketniveau 1 Bruto gewicht	8.7 kg
Pakketniveau 1 EAN	7320500501467
Pakketniveau 1 Units	doos 1 stuk

Classifications

Object classificatiecode	Q
ETIM 7	EC000640 - Soft starter
ETIM 8	EC000640 - Soft starter
ETIM 9	EC000640 - Soft starter
eClass	V11.0 : 27370907
UNSPSC	39121521
IGCC (IDEA granulaire categoriecode)	4740 >> Soft starter

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
1SDA066917R1	KIT FC Cu XT4 3pcs	KIT FC Cu XT4 3pcs	1	piece
1SDA055016R1	KIT FC Cu 1x240mm2 T5 400 3pcs	KIT FC Cu 1x240mm2 T5 400 3pcs	1	piece
1SCA022194R0890	OZXB4/1 AL-CU TERMINAL 1PC	OZXB4/1	1	piece
1SDA013922R1	KIT FC CuAl 2x240mm2 T6 630-S6 630 6pcs	KIT FC CuAl 2x240mm2 T6 630-S6 630 6pcs	1	piece
1SDA013956R1	KIT FC CuAl 3x185mm2 T6 800-S6 800 6pcs	KIT FC CuAl 3x185mm2 T6 800-S6 800 6pcs	1	piece
1SDA054988R1	KIT FC CuAl 1x185mm2 T4 3pcs	KIT FC CuAl 1x185mm2 T4 3pcs	1	piece
1SDA055020R1	KIT FC CuAl 1x240mm2 T5 400 3pcs	KIT FC CuAl 1x240mm2 T5 400 3pcs	1	piece
1SDA023380R1	KIT FC CuAl 2x240mm2 T6 630-S6 630 3pcs	KIT FC CuAl 2x240mm2 T6 630-S6 630 3pcs	1	piece
1SFN074810R1000	LX205 Terminal Extension	LX205	1	piece
1SFN075410R1000	LX370 Terminal Extension	LX370	1	piece
1SFN075710R1000	LX460 Terminal Extension	LX460	1	piece
1SFN074307R1000	LW110 Terminal Enlargement	LW110	1	piece
1SFN074807R1000	LW205 Terminal Enlargement	LW205	1	piece
1SFN075407R1000	LW370 Terminal Extension	LW370	1	piece
1SFN075707R1000	LW460 Terminal Enlargement	LW460	1	piece
1SFN076107R1000	LW750 Terminal Enlargement	LW750	1	piece
1SFN124801R1000	LT205-30C Terminal Shroud	LT205-30C	1	piece
1SFN124803R1000	LT205-30L Terminal Shroud	LT205-30L	1	piece
1SFN125401R1000	LT370-30C Terminal Shroud	LT370-30C	1	piece
1SFN125403R1000	LT370-30L Terminal Shroud	LT370-30L	1	piece
1SFN125406R1000	LT370-30D Terminal Shroud	LT370-30D	1	piece

1SFN125701R1000	LT460-AC Terminal shroud	LT460-AC	1	piece
1SFN125703R1000	LT460-AL Terminal shroud	LT460-AL	1	piece
1SFN126101R1000	LT750-AC Terminal shroud	LT750-AC	1	piece
1SFN126103R1000	LT750-AL Terminal shroud	LT750-AL	1	piece
1SFA899314R1001	PSCA-1 USB cable	PSCA-1	1	piece
1SFA899300R1001	AB-PROFIBUS-1 Communication Module	AB-PROFIBUS-1	1	piece
1SFA899300R1002	AB-DEVICENET-1 Communication Module	AB-DEVICENET-1	1	piece
1SFA899300R1003	AB-MODBUS-RTU-1 Communication Module	AB-MODBUS-RTU-1	1	piece
1SFA899300R1006	AB-ETHERNET-IP-2 Communication Module	AB-ETHERNET-IP-2	1	piece
1SFA899300R1008	AB-MODBUS-TCP-2 Communication Module	AB-MODBUS-TCP-2	1	piece
1SFA899300R1010	AB-PROFINET-IO-2 Communication Module	AB-PROFINET-IO-2	1	piece
1SFA899300R1011	AB-BACNET-MSTP-1 Communication Module	AB-BACNET-MSTP-1	1	piece
1SFA899300R1012	AB-ETHERCAT-IP-2 Communication Module	AB-ETHERCAT-IP-2	1	piece
1SAJ611000R0101	DX111-FBP.0 IO-Module for UMC100 DI 24 VDC, supply 24VDC	DX111-FBP.0	1	piece
1SAJ622000R0101	DX122-FBP.0 IO-Module for UMC100 DI 110/230VAC, supply 24VDC	DX122-FBP.0	1	piece
1SFA896312R1002	PS-FBPA Fieldbus plug kit	PS-FBPA	1	piece

Categorieën

Frequentieomvormers → Softstarters → Softstarters → PSTX-softstarters → PSTX142

Laagspanningsproducten en -systemen → Control Producten → Softstarters → Softstarters → PSTX-softstarters → PSTX142

