



PRODUCT-DETAILS

PSTX37-600-70

PSTX37-600-70 Softstarter - 37 A - 208 ... 600
V AC



概要信息

全球商业别名	PSTX37-600-70
产品型号	PSTX37-600-70
产品ID	1SFA898104R7000
ABB型号名称	PSTX37-600-70
欧洲商品编号(EAN)	7320500501320
目录说明	PSTX37-600-70 Softstarter - 37 A - 208 ... 600 V AC

详细描述

The softstarter PSTX37-600-70 has a rated maximum operational current of 37 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 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.

订货信息

最小起订量	1 piece
海关关税号	85371091

Popular Downloads

数据手册, 技术资料	1SFC132012C0201
说明书和手册	1SFC132081M0201
CAD Dimensional Drawing	2CDC001079B0201
接线图	N/A

尺寸

产品净宽	150 mm
产品净高	314 mm
产品净深	198 mm
产品净重	4.6 kg

技术参数

额定工作电压	208 ... 600 V AC
额定控制供电电压 (U _s)	100 ... 250 V AC
额定控制电路电压 (U _c)	24 V DC
额定频率 (f)	50/60 Hz Main Circuit 50 / 60 Hz
额定工作功率- 同轴连接 (Pe)	(230 V) 9 kW (400 V) 18.5 kW (500 V) 22 kW
额定工作电流-同轴连接	37 A

(Ie)

额定工作功率 - 内三角连接	at 230 V 15 kW at 400 V 30 kW at 500 V 37 kW
额定工作电流 - 内三角连接	64 A
安全系数百分比	100 %
过载保护	Built-in electronic overload protection
集成电子过载	Yes
可调节额定电机电流Ie	30 ... 100 %
最大额定电流Ie时的启动容量	4xIe for 10s
斜坡时间	1 ... 120 second [unit of time]
启动时初始电压	10 ... 99 %
特殊降压斜坡	100 ... 10 %
限流功能	1.5 ... 7.5 xIe
内三角连接开关	是
运行信号继电器	是
旁路信号继电器	Yes
故障信号继电器	Yes
过载信号继电器	是
模拟输出	0...10 V, 0...20 mA, 4...20 mA
准备开始/待机信号指示 ON (LED)	Green
运行信号指示R (LED)	Green
保护信号指示 (LED)	Yellow
故障信号指示 (LED)	Red
通讯	Modbus-RTU; Modbus-TCP; Ethernet-IP; EtherCAT; DeviceNet; CANopen; Profibus; Profinet; BACnet-IP; BACnet-MSTP
防护等级	acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP00
端子类型	Cable Clamp
主电路连接容量	Hole Diameter 8.5 mm
控制电路连接容量	Rigid 1 x 2.5 mm ²
供电电路连接容量	Rigid 1 x 2.5 mm ²
拧紧力矩	Main Circuit 8 N·m
产品系列	PSTX37
功能	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

保护功能	Start reverse (external contactors)
	Thyristor runtime measurement
	Torque limit
	Voltage sags detection
	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

UL/CSA适用的技术参数

额定功率UL/CSA	(200 ... 208 V AC) Three Phase 10 Hp (220 ... 240 V AC) Three Phase 10 Hp (440 ... 480 V AC) Three Phase 25 Hp (550 ... 600 V AC) Three Phase 30 Hp
最高工作电压UL/CSA	Main Circuit 600 V
拧紧力矩UL/CSA	Main Circuit 70.8

环境条件

周围环境温度	Operation -25 ... +60 °C Storage -40 ... +70 °C
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Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	2CMT2022-006481
RoHS信息	2CMT2022-006500
RoHS状态	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
SCIP	46ee42b5-0784-4f84-a200-fba43f921301 China (CN)
Toxic Substances Control Act - TSCA	2CMT2023-006524
WEEE B2C / B2B	Business To Business
WEEE 类别	5. Small Equipment (No External Dimension More Than 50 cm)

认证及声明（文件编码）

CQC认证	CN: CQC2014010304744405 / SE: CQC2014010304724380
Declaration of Conformity - CCC	CN: 2020980304001091 / SE: 2020980304001489
符合性声明 - CE	2CMT005209
DNV认证	TAE000087N

包装信息	
1级包装宽度	200 mm
1级包装长度	282 mm
1级包装高度	388 mm
1级包装 总重	5.6 kg
1级包装 EAN	7320500501320
1级包装单元	box 1 piece

分类	
对象分类代码	Q
ETIM 7	EC000640 - Soft starter
ETIM 8	EC000640 - Soft starter
ETIM 9	EC000640 - Soft starter
e级	V11.0 : 27370907
UNSPSC	39121521
IDEA 粒度分类代码 (IGCC)	4740 >> Soft starter

Accessories				
Identifier	Description	Type	Quantity	Unit Of Measure
1SFN074307R1000	LW110 Terminal Enlargement	LW110	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

分类

传动 → 软起动器 → 软起动器 → PSTX Softstarters → PSTX37

低压产品及系统 → 控制产品 → 软起动器 → 软起动器 → PSTX Softstarters → PSTX37

