

PRODUCT-DETAILS

PSTX300-690-70

PSTX300-690-70 Softstarter



Algemene informatie

Globaal commercieel alias	PSTX300-690-70
Type	PSTX300-690-70
Artikelnummer	1SFA898214R7000
Type	PSTX300-690-70
EAN	7320500501481
Omschrijving	PSTX300-690-70 Softstarter

Omschrijving

The softstarter PSTX 300-690-70 has a rated maximum operational current of 300 A with an operating voltage span from 208...690 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 a 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 etc. 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	85044090

Popular Downloads

Gegevensblad, technische informatie	1SFC132012C0201
Instructies en handleidingen	1SFC132081M0201

Dimensions

Product netto breedte	258 mm
Product netto hoogte	470 mm
Product netto diepte	279 mm
Product netto gewicht	15.5 kg

Technical

Nominaal bedrijfsvoltage	208 ... 690 V AC
Nominaal stuurvoltage (U_s)	100 ... 250 V AC
Nominale stuurstroomkringspanning (U_c)	DC Operation 24 V
Toegekende frequentie (f)	50/60 Hz Main Circuit 50 / 60 Hz
Nominaal bedrijfsvermogen - In-line verbinding (P_e)	(230 V) 90 kW (400 V) 160 kW (500 V) 200 kW (690 V) 257 kW
Nominale bedrijfsstroom - In-line verbinding (I_e)	300 A
Nominaal bedrijfsvermogen - In Delta-verbinding	at 230 V 160 kW at 400 V 257 kW at 500 V 355 kW at 690 V 500 kW
Nominale bedrijfsstroom - In Delta-verbinding	515 A
Servicefactorpercentage	100 %
Overbelastingsbeveiliging	Built-in electronic overload protection
Geïntegreerde elektronische overbelasting	Yes
Instelbare nominale motorstroom, I_e	30 ... 100 %
Startcapaciteit bij maximale nominale stroom, dwz	4x I_e for 10s
Ramp tijd	1 ... 120 seconde
Initiële spanning tijdens start	10 ... 99 %
Stap omlaag voltage	100 ... 10 %

speciaal helling	
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	Built in Modbus interface, Anybus, FieldBusPlug (with adapter).
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 25 N·m
Product hoofdtype	PSTX300

Technical UL/CSA

Maximale bedrijfsspanning UL/CSA	Main Circuit 690 V
Aanhaalmoment UL/CSA	Main Circuit 221.3

Environmental

Omgevingsluchttemperatuur	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-certificaat	CN: CQC2014010304744408 / SE: CQC2014010304724384
Declaration of Conformity - CCC	CN: 2020980304001093 / SE: 2020980304001490
Conformiteitsverklaring - CE	2CMT005209
Milieu-informatie	2CMT005232
Instructies en handleidingen	1SFC132081M0201

Container Information

Pakketniveau 1 Breedte	352 mm
Pakketniveau 1 Lengte	379 mm
Pakketniveau 1 Hoogte	564 mm
Pakketniveau 1 Brutogewicht	18.5 kg
Pakketniveau 1 EAN	7320500501481
Pakketniveau 1 Units	box 1 stuk

Classifications

Object classificatiecode	Q
ETIM 4	EC002572 - Electronic motor control and protection device
ETIM 5	EC002572 - Electronic motor control and protection device
ETIM 6	EC002572 - Motormanagementsysteem
eClass	V11.0 : 27370907
UNSPSC	39121521

Categorieën

Frequentieomvormers → Softstarters → Softstarters → PSTX-softstarters → PSTX300

Laagspanningsproducten en -systemen → Control Producten → Softstarters → Softstarters → PSTX-softstarters → PSTX300

