

PRODUCT-DETAILS

PSR37-600-70

PSR37-600-70 Softstarter



Algemene informatie

Globaal commercieel alias	PSR37-600-70
Type	PSR37-600-70
Artikelnummer	1SFA896110R7000
Type	PSR37-600-70
EAN	7320500338322
Omschrijving	PSR37-600-70 Softstarter

Omschrijving

The softstarter PSR37-600-70 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...240 V AC at 50/60 Hz. PSR features a two-phase control soft start and stop through a voltage ramp. It has a built-in bypass for easy installation and energy saving. A RUN and a TOR signal is available from a relay output in NO (normally open state). The start/stop ramp and time is easy to set by three potentiometers on the front. PSR is often used in combination with a manual motor starter (MMS) from ABB, so mechanical connection kits are available. Another popular option is Fieldbus communication, which can be enabled by an external adaptor and a Fieldbus plug. The PSR range is our most compact softstarters with basic functionality and values. They are suitable for small three-phase motors with nominal currents from 3...105 A and can manage up to 100 starts per hour. Common 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	1SFC132032M0001

Dimensions

Product netto breedte	153 mm
Product netto hoogte	187 mm
Product netto diepte	54 mm
Product netto gewicht	1 kg

Technical

Nominaal bedrijfsvoltage	208 ... 600 V AC
Nominaal stuurvoltage (U _s)	100 ... 240 V AC
Nominale stroomkringspanning (U _c)	50 Hz / 60 Hz 100 ... 240 V AC DC Operation 24 V
Toegekende frequentie (f)	50/60 Hz Main Circuit 50 / 60 Hz
Nominaal bedrijfsvermogen - In- line verbinding (P _e)	(230 V) 7.5 kW (400 V) 18.5 kW (500 V) 22 kW
Nominale bedrijfsstroom - In-line verbinding (I _e)	37 A
Servicefactorpercentage	100 %
Overbelastingsbeveiliging	Recommended MS450 28 ... 40
Geïntegreerde elektronische overbelasting	No
Instelbare nominale motorstroom, I _e	No
Startcapaciteit bij maximale nominale stroom, dwz Ramp tijd	4xI _e for 6s 0 ... 20 seconde 1 ... 10 seconde
Initiële spanning tijdens start	40 ... 70 %
Stap omlaag voltage speciaal helling	100 ... 60 %
Stroombegrenzingsfunctie	No
Schakelaar voor Inside Delta-verbinding	No
Loopsignaalrelais	Yes
By-pass signaalrelais	Yes
Foutsignaalrelais	No
Overbelastingsignaalrelais	No
Signaalindicatie voltooid starthelling (LED)	Green
Signaalindicatie klaar om te starten/stand-by AAN (LED)	Green
Signaalindicatie lopen R	Green

(LED)	
Signaalindicatie helling omhoog/omlaag (LED)	Green
Aantal starts per uur bij 3.5*le voor 7 sec. 50% AAN tijd 50% UIT tijd	10
Communicatie	FiledBusPlug(Optional)
Beschermingsgraad	IP10
Terminaltype	Schroef
Verbindingscapaciteit hoofdcircuit	Rigid 1x 6 ... 35 mm ² Rigid 2 x 6 ... 16 mm ²
Verbindingscapaciteit controlecircuit	1 x 0.75 ... 2.5 2 x 0.75 ... 2.5 mm ² Rigid 1 x 0.75 ... 2.5 mm ² Rigid 2 x 0.75 ... 1.5 mm ²
Verbindingscapaciteit aanvoercircuit	Rigid 1 x 0.75 ... 2.5 mm ²
Aanhaalmoment	Control Circuit 0.6 N-m Main Circuit 4 N-m Supply Circuit 0.6 N-m
Product hoofdtype	PSR37

Technical UL/CSA

Maximale bedrijfsspanning UL/CSA	Main Circuit 600 V
Aanhaalmoment UL/CSA	Control Circuit 5.3 in-lb Main Circuit 35.4 Supply Circuit 5.3 in-lb

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	CQC2006010304208083
Declaration of Conformity - CCC	2020980304001089
Conformiteitsverklaring - CE	1SFA1-91
Milieu-informatie	1SFC132038D0201
Instructies en handleidingen	1SFC132032M0001
RoHS-informatie	1SFC132031D0202

Container Information

Pakketniveau 1 Breedte	163 mm
Pakketniveau 1 Lengte	56 mm
Pakketniveau 1 Hoogte	217 mm
Pakketniveau 1 Bruto gewicht	1.1 kg
Pakketniveau 1 EAN	7320500338322
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 → PSR-softstarters → PSR37

Laagspanningsproducten en -systemen → Control Producten → Softstarters → Softstarters → PSR-softstarters → PSR37

