

PRODUCT-DETAILS

PSE170-600-70

PSE170-600-70 Softstarter - 171 A - 208 ... 600 V AC



Algemene informatie

| | |
|---------------------------|--|
| Globaal commercieel alias | PSE170-600-70 |
| Type | PSE170-600-70 |
| Artikelnummer | 1SFA897111R7000 |
| Type | PSE170-600-70 |
| EAN | 7320500400692 |
| Omschrijving | PSE170-600-70 Softstarter - 171 A - 208 ... 600 V AC |

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|--------------|---|
| Omschrijving | <p>The softstarter PSE170-600-70 has a rated maximum operational current of 170 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. PSE features a two-phase control with a 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 a relay output in NO (normally open state). The PSE has functions such as current limit, kickstart, analog output, EOL, underload, and locked rotor protection. To interact with PSE, it has an illuminated display that uses symbols to become language neutral. As an option, you can add an identical external keypad with a rating of IP66. There are three ways to communicate with PSE. It can be done by hardware inputs Start/Stop or by Reset of fault. Another popular option is the built-in fieldbus communication Modbus RTU. You can also use an external adaptor and a Fieldbus plug.</p> <p>PSE is a true general purpose softstarter. It's a perfect balance between high starting capacity and cost efficiency. Very suitable for small to medium-sized three-phase motors with nominal currents from 18...370 A. Typical applications are, for example, pumps, fans, compressors, and conveyors.</p> |
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Ordering

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| Minimale bestelhoeveelheid | 1 stuk |
| Nummer douanetarief | 85371091 |

Popular Downloads

| | |
|-------------------------------------|-----------------|
| Gegevensblad, technische informatie | 1SFC132012C0201 |
| Instructies en handleidingen | 1SFC132057M0201 |
| CAD Dimensional Drawing | 2CDC001079B0201 |
| Schakelschema | N/A |

Dimensions

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|-----------------------|--------|
| Product netto breedte | 130 mm |
| Product netto hoogte | 295 mm |
| Product netto diepte | 220 mm |
| Product netto gewicht | 4.4 kg |

Technical

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| 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 (P_e) | (230 V) 45 kW (400 V) 90 kW (500 V) 110 kW |
| Nominale bedrijfsstroom - In-line verbinding (I_e) | 171 A |
| Servicefactorpercentage | 100 % |
| Overbelastingsbeveiliging | Build-in electronic overload protection |
| Geïntegreerde elektronische overbelasting | Yes |
| Instelbare nominale motorstroom, I_e | 30 ... 100 % |
| Startcapaciteit bij maximale nominale stroom, dwz | 4xle for 10s |
| Ramp tijd | 0 ... 30 seconde 1 ... 30 seconde |
| Initiële spanning tijdens start | 30 ... 70 % |
| Stap omlaag voltage speciaal helling | No % |

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| Stroombegrenzingsfunctie | 1.5 ... 7xIe |
| Schakelaar voor Inside Delta-verbinding | No |
| Loopsignaalrelais | Yes |
| By-pass signaalrelais | Yes |
| Foutsignaalrelais | Yes |
| Overbelastingssignaalrelais | Yes |
| Analoge uitvoer | 4...20 mA |
| Signaalindicatie voltooid starthelling (LED) | Green |
| Signaalindicatie klaar om te starten/stand-by AAN (LED) | Green |
| Signaalindicatie lopen R (LED) | Green |
| Signaalindicatie helling omhoog/omlaag (LED) | Green |
| Signaalindicatie bescherming (LED) | Yellow |
| Signaalindicatie fout (LED) | Red |
| Aantal starts per uur bij 3.5* <i>I</i> _e voor 7 sec. 50% AAN tijd 50% UIT tijd | 10 |
| Communicatie | Modbus-RTU |
| Beschermingsgraad | IP00 |
| Terminaltype | Main Circuit: Bars |
| Verbindingscapaciteit hoofdcircuit | Hole Diameter 8.5 mm Rigid 1/2 x 2.5 ... 70 mm ² Width and Thickness 17.5x5 mm |
| Verbindingscapaciteit controlecircuit | Rigid 1 x 2.5 mm ² Rigid 2 x 1.5 mm ² |
| Verbindingscapaciteit aanvoercircuit | Rigid 1 x 2.5 mm ² |
| Aanhaalmoment | Control Circuit 0.5 N·m Main Circuit 18 N·m Supply Circuit 0.5 N·m |
| Product hoofdtype | PSE170 |
| Functie | Soft start with torque control Soft start with voltage ramp Soft stop with torque control Soft stop with voltage ramp Kick start Sequence start Current limit Start reverse (external contactors) Automatic restart Event log |
| Protection Function | Electronic overload protection, EOL; Locked rotor protection; Current underload protection |

Technical UL/CSA

Maximale
bedrijfsspanning UL/CSA

Main Circuit 600 V

Aanhaalmoment UL/CSA

Control Circuit 4.4 in-lb
Main Circuit 159.3
Supply Circuit 4.4 in-lb

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

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|---------------------------------|---------------------|
| CQC-certificaat | CQC2011010304468089 |
| Declaration of Conformity - CCC | 2020980304001545 |
| Conformiteitsverklaring - CE | 2CMT2015-005447 |

Container Information

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|-----------------------------|---------------|
| Pakketniveau 1 Breedte | 203 mm |
| Pakketniveau 1 Lengte | 282 mm |
| Pakketniveau 1 Hoogte | 363 mm |
| Pakketniveau 1 Brutogewicht | 5.4 kg |
| Pakketniveau 1 EAN | 7320500400692 |
| Pakketniveau 1 Units | doos 1 stuk |

Classifications

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|--------------------------------------|-------------------------|
| 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 |
| 1SDA054988R1 | KIT FC CuAl 1x185mm2 T4 3pcs | KIT FC CuAl 1x185mm2 T4 3pcs | 1 | piece |
| 1SFN074707R1000 | LW185 Terminal Enlargement | LW185 | 1 | piece |
| 1SFA899221R1002 | PSLE-185 TERMINAL KIT | PSLE-185 | 1 | piece |
| 1SFA899221R1003 | PSLE-300 TERMINAL KIT | PSLE-300 | 1 | piece |
| 1SFN074810R1000 | LX205 Terminal Extension | LX205 | 1 | piece |
| 1SFN075410R1000 | LX370 Terminal Extension | LX370 | 1 | piece |
| 1SFN124203R1000 | LT140-30L Terminal Shroud | LT140-30L | 1 | piece |
| 1SFN124701R1000 | LT185-AC Terminal Shroud | LT185-AC | 1 | piece |
| 1SFN124703R1000 | LT185-AL Terminal Shroud | LT185-AL | 1 | piece |
| 1SFN125101R1000 | LT300-AC Terminal Shroud | LT300-AC | 1 | piece |
| 1SFN125103R1000 | LT300-AL Terminal Shroud | LT300-AL | 1 | piece |
| 1SFA897100R1001 | PSEEK EXTERNAL KEYPAD | PSEEK | 1 | piece |
| 1SFA897201R1001 | PSECA USB cable | PSECA | 1 | piece |
| 1SFA896312R1002 | PS-FBPA Fieldbus plug kit | PS-FBPA | 1 | piece |
| 1SFA899222R1003 | LXR370 Terminal Enlargement | LXR370 | 1 | piece |
| 1SFA899300R1020 | PS-MBIA Communication Module | PS-MBIA | 1 | piece |

Categorieën

Frequentieomvormers → Softstarters → Softstarters → PSE-softstarters → PSE170

Laagspanningsproducten en -systemen → Control Producten → Softstarters → Softstarters → PSE-softstarters → PSE170

