

PRODUCT-DETAILS

# PSE250-600-70-1

## PSE250-600-70-1 Softstarter - 250 A - 208 ... 600 V AC



### Informations générales

Alias commercial mondial	PSE250-600-70-1
Extension du type de produit	PSE250-600-70-1
Code de produit	1SFA897113R7001
ABB désignation de type	PSE250-600-70-1
EAN	7320500515037
Description courte	PSE250-600-70-1 Softstarter - 250 A - 208 ... 600 V AC

Description longue	<p>The softstarter PSE250-600-70-1 has a rated maximum operational current of 250 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 hardwire 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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### Commande

Quantité minimum	1 pièce
Code douanier	85371091

## Downloads Préférés

Fiche produit, informations techniques	1SFC132012C0201
Instructions et manuels	1SFC132057M0201
CAD Dimensional Drawing	2CDC001079B0201
Wiring Diagram	N/A

## Dimensions

Produit Largeur Net	190 mm
Produit Hauteur Net	435 mm
Produit Longueur Net	237 mm
Poids net	10.6 kg

## Technique

Tension	208 ... 600 V AC
Rated Control Supply Voltage ( $U_s$ )	100 ... 250 V AC
Rated Control Circuit Voltage ( $U_c$ )	24 V DC
Fréquence assignée (f)	50/60 Hz Circuit principal 50 / 60 Hz
Rated Operational Power - In-Line Connection ( $P_e$ )	(230 V) 75 kW (400 V) 132 kW (500 V) 160 kW
Courant nominal de fonctionnement-- Raccordement en ligne ( $I_e$ )	250 A
Pourcentage Facteur de service	100 %
Overload Protection	Built-in electronic overload protection
Integrated Electronic Overload	Yes
Adjustable Rated Motor Current $I_e$	30 ... 100 %
Starting Capacity at Maximum Rated Current $I_e$	4xle for 10s
Ramp Time	0 ... 30 second [unit of time] 1 ... 30 second [unit of time]
Initial Voltage During Start	30 ... 70 %
Step Down Voltage Special Ramp	No %
Current Limit Function	1.5 ... 7xle
Switch for Inside Delta Connection	Non
Run Signal Relay	Oui
By-pass Signal Relay	Yes
Fault Signal Relay	Yes
Overload Signal Relay	Oui
Sorties analogiques	4...20 mA
Signal Indication Completed Start Ramp	Green

(LED)	
Signal Indication Ready to Start/Standby ON (LED)	Green
Voyant de signal indiquant R (LED)	Green
Signal Indication Ramping Up/Down (LED)	Green
Signal Indication Protection (LED)	Yellow
Signal Indication Fault (LED)	Red
Number of Starts Per Hour at 3.5*le for 7 sec. 50% ON Time 50% OFF Time	10
Communication	Modbus-RTU
Indice de protection	IP00
Type de borne	Main Circuit: Bars
Connecting Capacity Main Circuit	Hole Diameter 8.5 mm Rigid 1/2 x 2.5 ... 70 mm <sup>2</sup> Width and Thickness 17.5x5 mm
Connecting Capacity Control Circuit	Rigid 1 x 2.5 mm <sup>2</sup> Rigid 2 x 1.5 mm <sup>2</sup>
Connecting Capacity Supply Circuit	Rigid 1 x 2.5 mm <sup>2</sup>
Couple de serrage	Control Circuit 0.5 N-m Main Circuit 28 N-m Supply Circuit 0.5 N-m
Groupe de produit	PSE250
Fonction	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

## Technique UL/CSA

Maximum Operating Voltage UL/CSA	Circuit principal 600 V
Tightening Torque UL/CSA	Control Circuit 4.4 in-lb Main Circuit 247.8 Supply Circuit 4.4 in-lb

## Environnement

Température de l'air ambiant	Operation -25 ... +60 °C Storage -40 ... +70 °C
Indice de protection	IP00
Informations RoHS	1SFC132043D0201
Statut RoHS	Following EU Directive 2002/95/EC August 18, 2005 and amendment

## Certificats et Déclarations (Numéro de document)

CQC Certificate	CQC2018010304109915
Declaration of Conformity	2020980304001510

- CCC

Déclaration de Conformité

2CMT2015-005447

- CE

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## Emballage

Emballage Niveau 1 Largeur	261 mm
Emballage Niveau 1 Longueur	325 mm
Emballage Niveau 1 Hauteur	510 mm
Emballage Niveau 1 Poids	13.3 kg
Emballage Niveau 1 EAN	7320500515037
Emballage Niveau 1 Unités	box 1 pièce

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## Classifications

Code de classification d'objet	Q
ETIM 7	EC000640 - Soft starter
ETIM 8	EC000640 - Soft starter
ETIM 9	EC000640 - Soft starter
eClass	V11.0 : 27370907
UNSPSC	39121521
Code de catégorie granulaire IDEA (IGCC)	4740 >> Soft starter

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## Accessories

Identifiant	Description	Type	Quantity	Unit Of Measure
1SDA055016R1	KIT FC Cu 1x240mm2 T5 400 3pcs	KIT FC Cu 1x240mm2 T5 400 3pcs	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
1SFN074307R1000	LW110 Terminal Enlargement	LW110	1	piece
1SFN074707R1000	LW185 Terminal Enlargement	LW185	1	piece
1SFN075107R1000	LW300 Terminal Enlargement	LW300	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

## Catégories

Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Demarres progressifs → Démarres progressifs → PSE Softstarters → PSE250

Variateurs de vitesse → Demarres progressifs → Démarres progressifs → PSE Softstarters → PSE250

