

PRODUCT-DETAILS

# PSR85-600-70

## PSR85-600-70 Softstarter - 85 A - 208 ... 600 V AC



### Informations générales

Alias commercial mondial	PSR85-600-70
Extension du type de produit	PSR85-600-70
Code de produit	1SFA896114R7000
ABB désignation de type	PSR85-600-70
EAN	7320500362631
Description courte	PSR85-600-70 Softstarter - 85 A - 208 ... 600 V AC

Description longue	<p>The softstarter PSR85-600-70 has a rated maximum operational current of 85 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 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.</p> <p>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.</p>
--------------------	---

### Commande

Quantité minimum	1 pièce
Code douanier	85371091

## Downloads Préférés

Fiche produit, informations techniques	1SFC132012C0201
Instructions et manuels	1SFC132033M0001
CAD Dimensional Drawing	2CDC001079B0201
Wiring Diagram	N/A

## Dimensions

Produit Largeur Net	180 mm
Produit Hauteur Net	220 mm
Produit Longueur Net	70 mm
Poids net	2.1 kg

## Technique

Tension	208 ... 600 V AC
Rated Control Supply Voltage ( $U_s$ )	100 ... 240 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) 22 kW (400 V) 45 kW (500 V) 55 kW
Courant nominal de fonctionnement-- Raccordement en ligne ( $I_e$ )	85 A
Pourcentage Facteur de service	100 %
Overload Protection	Recommended MS495 70 ... 90
Integrated Electronic Overload	No
Adjustable Rated Motor Current $I_e$	No
Starting Capacity at Maximum Rated Current $I_e$	4x $I_e$ for 6s
Ramp Time	0 ... 20 second [unit of time] 1 ... 10 second [unit of time]
Initial Voltage During Start	40 ... 70 %
Step Down Voltage Special Ramp	100 ... 60 %
Current Limit Function	No
Switch for Inside Delta Connection	Non
Run Signal Relay	Oui
By-pass Signal Relay	Yes
Fault Signal Relay	No
Overload Signal Relay	Non
Signal Indication Completed Start Ramp (LED)	Green
Signal Indication Ready to Start/Standby ON (LED)	Green

Voyant de signal indiquant R (LED)	Green
Signal Indication Ramping Up/Down (LED)	Green
Number of Starts Per Hour at 3.5*le for 7 sec. 50% ON Time 50% OFF Time	10
Communication	FiledBusPlug(Optional)
Indice de protection	IP10
Type de borne	Main Circuit: Bars
Connecting Capacity Main Circuit	Rigid 1x 10 ... 95 mm <sup>2</sup> Rigid 2 x 6 ... 35 mm <sup>2</sup>
Connecting Capacity Control Circuit	1 x 0.75 ... 2.5 2 x 0.75 ... 2.5 mm <sup>2</sup> Rigid 1 x 0.75 ... 2.5 mm <sup>2</sup> Rigid 2 x 0.75 ... 1.5 mm <sup>2</sup>
Connecting Capacity Supply Circuit	Rigid 1 x 0.75 ... 2.5 mm <sup>2</sup>
Couple de serrage	Control Circuit 0.6 N·m Main Circuit 8 N·m Supply Circuit 0.6 N·m
Groupe de produit	PSR85
Fonction	Soft start with voltage ramp Soft stop with voltage ramp

## Technique UL/CSA

Maximum Operating Voltage UL/CSA	Circuit principal 600 V
Tightening Torque UL/CSA	Control Circuit 5.3 in·lb Main Circuit 70.8 Supply Circuit 5.3 in·lb

## Environnement

Température de l'air ambiant	Operation -25 ... +60 °C Storage -40 ... +70 °C
Indice de protection	IP10
Informations RoHS	1SFC132031D0202
Statut RoHS	Following EU Directive 2002/95/EC August 18, 2005 and amendment

## Certificats et Déclarations (Numéro de document)

CQC Certificate	CQC2008010304295498
Declaration of Conformity - CCC	2020980304001090
Déclaration de Conformité - CE	1SFA1-95

## Emballage

Emballage Niveau 1 Largeur	195 mm
Emballage Niveau 1 Longueur	86 mm
Emballage Niveau 1 Hauteur	230 mm
Emballage Niveau 1 Poids	2.3 kg

Emballage Niveau 1 EAN	7320500362631
Emballage Niveau 1 Unités	box 1 pièce

## 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

## Accessories

Identifiant	Description	Type	Quantity	Unit Of Measure
1SFA899002R1072	PSLW-72 Terminal Enlargement	PSLW-72	1	piece
1SFA896312R1002	PS-FBPA Fieldbus plug kit	PS-FBPA	1	piece
1SFA896313R1001	PSR-FAN60-105A FAN	PSR-FAN60-105A	1	piece

## Catégories

Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Demarres progressifs → Démarres progressifs → PSR Softstarters → PSR85

Variateurs de vitesse → Demarres progressifs → Démarres progressifs → PSR Softstarters → PSR85

