

PRODUCT-DETAILS

PSR45-600-70

PSR45-600-70 Softstarter - 45 A - 208 ... 600 V AC



Informations générales

Alias commercial mondial	PSR45-600-70
Extension du type de produit	PSR45-600-70
Code de produit	1SFA896111R7000
ABB désignation de type	PSR45-600-70
EAN	7320500338346
Description courte	PSR45-600-70 Softstarter - 45 A - 208 ... 600 V AC

Description longue	<p>The softstarter PSR45-600-70 has a rated maximum operational current of 45 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>
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Commande

Quantité minimum	1 pièce
Code douanier	85371091

Popular Downloads

Fiche produit, informations techniques	1SFC132012C0201
Instructions et manuels	1SFC132032M0001
CAD Dimensional Drawing	2CDC001079B0201
Wiring Diagram	N/A

Dimensions

Produit Largeur Net	153 mm
Produit Hauteur Net	187 mm
Produit Longueur Net	54 mm
Poids net	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) 11 kW (400 V) 22 kW (500 V) 30 kW
Courant nominal de fonctionnement-- Raccordement en ligne (I _e)	45 A
Pourcentage Facteur de service	100 %
Overload Protection	Recommended MS450 36 ... 45
Integrated Electronic Overload	No
Adjustable Rated Motor Current I _e	No
Starting Capacity at Maximum Rated Current I _e	4xI _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	Screw Terminals
Connecting Capacity Main Circuit	Rigid 1 x 6 ... 35 mm ² Rigid 2 x 6 ... 16 mm ²
Connecting Capacity Control Circuit	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
Connecting Capacity Supply Circuit	Rigid 1 x 0.75 ... 2.5 mm ²
Couple de serrage	Control Circuit 0.6 N·m Main Circuit 4 N·m Supply Circuit 0.6 N·m
Groupe de produit	PSR45
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 35.4 Supply Circuit 5.3 in·lb

Environnement

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

Certificats et Déclarations (Numéro de document)

CQC Certificate	CQC2006010304208083
Declaration of Conformity - CCC	2020980304001089
Déclaration de Conformité - CE	1SFA1-91

Emballage

Emballage Niveau 1 Largeur	163 mm
Emballage Niveau 1 Longueur	56 mm
Emballage Niveau 1 Hauteur	217 mm
Emballage Niveau 1 Poids	1.1 kg
Emballage Niveau 1 EAN	7320500338346

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
1SFA896216R1001	PSR45-MS165 Connection Kit PSR45-MS165		1	piece
1SFA896312R1002	PS-FBPA Fieldbus plug kit	PS-FBPA	1	piece
1SFA896311R1001	PSR-FAN3-45A FAN	PSR-FAN3-45A	1	piece

Catégories

Produits basse tension → Produits de Contrôle, Protection et sécurité machines → Demarres progressifs → Démarres progressifs → PSR Softstarters → PSR45

Variateurs de vitesse → Demarres progressifs → Démarres progressifs → PSR Softstarters → PSR45

