

PRODUCT-DETAILS

PSR45-600-70

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



Informations générales

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|------------------------------|----------------------------------------------------|
| 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 |

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| 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

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| Quantité minimum | 1 pièce |
| Code douanier | 85371091 |

Downloads Préférés

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

Dimensions

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|----------------------|--------|
| Produit Largeur Net | 153 mm |
| Produit Hauteur Net | 187 mm |
| Produit Longueur Net | 54 mm |
| Poids net | 1 kg |

Technique

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|--------------------------------------------------------------------------------|------------------------------------------------------------------|
| 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 (Pe) | (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 |

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|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 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

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|----------------------------------|----------------------------------------------------------------------------|
| 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

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|------------------------------|-----------------------------------------------------------------|
| 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)

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

Emballage

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|-----------------------------|--------|
| 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 |

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|---------------------------|---------------|
| Emballage Niveau 1 EAN | 7320500338346 |
| Emballage Niveau 1 Unités | box 1 pièce |

Classifications

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|------------------------------------------|-------------------------|
| 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 → Démarreurs progressifs → PSR Softstarters → PSR45

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

