

PRODUCT-DETAILS

PSR12-600-70

PSR12-600-70 Softstarter - 12 A - 208 ... 600 V AC



General Information	
Global Commercial Alias	PSR12-600-70
Extended Product Type	PSR12-600-70
Product ID	1SFA896106R7000
ABB Type Designation	PSR12-600-70
EAN	7320500338247
Catalog Description	PSR12-600-70 Softstarter - 12 A - 208 600 V AC
Long Description	The softstarter PSR12-600-70 has a rated maximum operational current of 12 A with an operating voltage span from 208600 V AC. The rated control voltage is between 100240 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 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. Another popular option is 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 3105 A and can manage up to 100 starts per hour. Common applications are, for example, pumps, fans, compressors, and conveyors.

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2024/08/08

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Ordering	
Minimum Order Quantity	1 piece
Customs Tariff Number	85371091

Popular Downloads	
Data Sheet, Technical Information	1SFC132012C020
Instructions and Manuals	1SFC132030M000
CAD Dimensional Drawing	2CDC001079B020
Drawing	
Wiring Diagram Dimensions	N/4
Wiring Diagram Dimensions	
Wiring Diagram Dimensions Product Net Width	114 mm
Wiring Diagram	

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Rated Operational Voltage	208 600 V AC	
Rated Control Supply Voltage (U _S)	100 240 V AC	
Rated Control Circuit Voltage (Uc)	24 V DC	
Rated Frequency (f)	50/60 H Main Circuit 50 / 60 H	
Rated Operational Power - In-Line Connection (Pe)	(230 V) 3 kW (400 V) 5.5 kW (500 V) 5.5 kW	
Rated Operational Current - In-Line Connection (Ie)	12 A	
Service Factor Percentage	100 %	
Overload Protection	Recommended MS132 10.00 16.00	
Integrated Electronic Overload	No	
Adjustable Rated Motor Current le	Νο	
Starting Capacity at Maximum Rated Current Ie	4xle 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	No	

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By-pass Signal Relay N Fault Signal Relay N Fault Signal Relay N Signal Indication Greet Completed Start Ramp Greet (LED) Greet Signal Indication Ready Greet Signal Indication Ready Greet Signal Indication Ready Greet Signal Indication Ready Greet Signal Indication Greet Ramping Up/Down Greet (LED) Signal Indication Signal Indication Greet Ramping Up/Down Greet (LED) Communication Degree of Frotection IE2 Terminal Type Screet Terminal Commetring Capacity IX of 7, 22 Control Circuit 2 x 0, 75, -25 Signal Indication Screet Terminal Supply Circuit Piet Screet Terminal Control Circuit Rigid 1/2 x 0, 75, -25 Control Circuit X 0, 75, -25 Control Circuit Rigid 1/2 x 0, 75, -25 Supply Circuit Piet Screet Terminal Type Feacting Capacity <th></th> <th></th>		
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Main Circuit Connecting Capacity Control Circuit 2 x 0.75 2.5 mm Connecting Capacity Rigid 1/2 x 0.75 2.5 mm Connecting Control Circuit 1 Nr Main Circuit 1 Nr Product Main Type Poduct Main Type PSR2 Function Soft start with voltage ramp Soft stop with voltage ramp Soft stop with voltage ramp Soft stop with voltage ramp Control Circuit 8.9 init Co	Terminal Type	Screw Terminals
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Tightening Torque Control Circuit 1 N-m Main Circuit 1 N-m Supply Circuit 2 N-m Soft stop with voltage ramp Soft s		Rigid 1/2 x 0.75 2.5 mm²
Product Main Type PSRLi Function Soft start with voltage ramp Soft stop with voltage ramp Soft stop with voltage ramp Technical UL/CSA Maximum Operating Voltage UL/CSA Tightening Torque UL/CSA Control Circuit 8.9 in-lt Main Circuit 8.3 Supply Circuit 8.9 in-lt Main Circuit 8.3 Supply Circuit 8.9 in-lt Main Circuit 8.9 Degree of Protection IP20 Material Compliance Conflict Minerals Reporting Template (CMRT) REACH Declaration 2 CCMT2022-00648: RoHS Information 2 CCMT2022-00648:		Control Circuit 1 N·m Main Circuit 1 N·m Supply Circuit 1 N·m
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Maximum Operating Voltage UL/CSA Tightening Torque UL/CSA Control Circuit 8.9 in-lt Main Circuit 8.9 Supply Circuit 8.9 in-lt Supply Circuit 8.9 in-lt Supply Circuit 8.9 in-lt Control Air Temperature Degree of Protection Degree of Protection IP20 Material Compliance Conflict Minerals Reporting Template (CMRT) REACH Declaration REACH Declaration REACH Declaration REACH Declaration REACH Declaration Comfort Minerals Reporting Template (CMRT)		Soft start with voltage ramp Soft stop with voltage ramp
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UL/CSA Main Circuit 8.5 Supply Circuit 8.9 in-lt Environmental Ambient Air Operation -25 +60 °C Temperature Storage -40 +70 °C Degree of Protection IP2C Material Compliance Conflict Minerals 9AKK108467A5656 Reporting Template (CMRT) REACH Declaration 2CMT2022-006483 ReHS Information 2CMT2022-006483		Main Circuit 600 V
Ambient Air Operation -25 +60 °C Temperature Storage -40 +70 °C Degree of Protection IP2C Material Compliance IP2C Conflict Minerals 9AKK108467A5658 Reporting Template (CMRT) 2CMT2022-006488 ReACH Declaration 2CMT2022-006485		Control Circuit 8.9 in·lb Main Circuit 8.9 Supply Circuit 8.9 in·lb
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Degree of Protection IP20 Material Compliance Conflict Minerals 9AKK108467A5658 Reporting Template 9AKK108467A5658 (CMRT) 2CMT2022-006483 RoHS Information 2CMT2022-006500	Ambient Air	Operation -25 +60 °C
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RoHS Information 2CMT2022-006500	Reporting Template	9AKK108467A5658
		2CMT2022-006481 2CMT2022-006500
POHS Status Following El Directive 2011/66/Ell and Amendment 2016 7062 1010 22 2017	RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

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Toxic Substances Control Act - TSCA	2CMT2023-006524
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations	
CQC Certificate	CQC2006010304208085
Declaration of Conformity - CCC	2020980304001087
Declaration of Conformity - CE	1SFA1-86
Container Information	
Package Level 1 Width	121 mm
Package Level 1 Depth / Length	50 mm
Package Level 1 Height	150
	156 mm

Package Level 1 Gross Weight	0.5 kg
Package Level 1 EAN	7320500338247
Package Level 1 Units	box 1 piece

Classifications	
Object Classification Code	Q
ETIM 7	EC000640 - Soft starter
ETIM 8	EC000640 - Soft starter
ETIM 9	EC000640 - Soft starter
eClass	V11.0 : 27370907
UNSPSC	39121521
IDEA Granular Category Code (IGCC)	4740 >> Soft starter

Accessorie	5

Identifier	Description	Туре С	Quantity	Unit Of Measure
1SFA896211R1001	PSR16-MS116 Connection Kit	PSR16-MS116	1	piece
1SFA896312R1002	PS-FBPA Fieldbus plug kit	PS-FBPA	1	piece
1SFA896311R1001	PSR-FAN3-45A FANI	PSR-FAN3-45A	1	piece
1SFA896313R1001	PSR-FAN60-105A FAN	PSR-FAN60- 105A	1	piece

Categories

 $\mathsf{Drives} \to \mathsf{Softstarters} \to \mathsf{Softstarters} \to \mathsf{PSR} \: \mathsf{Softstarters} \to \mathsf{PSR12}$

 $\text{Low Voltage Products and Systems} \rightarrow \text{Control Products} \rightarrow \text{Softstarters} \rightarrow \text{Softstarters} \rightarrow \text{PSR Softstarters} \rightarrow \text{PSR12}$





