

**PRODUCT-DETAILS** 

## PSR30-600-70

## PSR30-600-70 Softstarter



Genera	I Information

Global Commercial Alias	PSR30-600-70
Extended Product Type	PSR30-600-70
Product ID	1SFA896109R7000
ABB Type Designation	PSR30-600-70
EAN	7320500338308
Catalog Description	PSR30-600-70 Softstarter

Long Description

The softstarter PSR30-600-70 has a rated maximum operational current of 30 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 a 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. 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.

## Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85044090

Popular Downloads	
Data Sheet, Technical Information	1SFC132012C0201
Instructions and Manuals	1SFC132031M0001

Dimensions	
Product Net Width	128 mm
Product Net Height	160 mm
Product Net Depth / Length	45 mm
Product Net Weight	0.6 kg

208 600 V AC
50 Hz / 60 Hz 100 240 V AC DC Operation 24 V
50/60 Hz Main Circuit 50 / 60 Hz
(230 V) 7.5 kw (400 V) 15 kw (500 V) 18.5 kw
30 A
100 %
Recommended MS132 25 32
No
No
4xle for 6s
0 20 second [unit of time] 1 10 second [unit of time]
40 70 %
100 60 %
No
No
Yes
Yes
No
No
Green
Green
Green

ramping up/down (LED)  Number of Starts Per 10 Hour at 3.5**let for 7 sec. 50% ON Time 50% OFF Time  Communication FiledBusPlug(Optional) Degree of Protection IP20 Terminal Type Screw Terminals Connecting Capacity Rigid 1/2 x 2.5 10 mm² Main Circuit  Connecting Capacity 1, x 0.75 2.5 mm² Rigid 1 x 0.75 2.5 mm² Rigid 2 x 0.75 2.5 mm² Supply Circuit Tightening Torque Control Circuit 0.6 N·m Main Circuit 2.3 N·m Supply Circuit 0.6 N·m Product Main Type PSR30  Technical UL/CSA  Maximum Operating Voltage UL/CSA Tightening Torque Control Circuit 5.3 in lb UL/CSA  Maximum Operating Voltage UL/CSA Tightening Torque Control Circuit 5.3 in lb  Environmental  Environmental  Ambient Air Operation -25 +60 °C Temperature Storage -40 +70 °C Storage -40 +70 °C Storage -40 +70 °C Storage -40 +70 °C	PSR30-600-70	
Number of Starts Per Hour at 3.5*le for 7 sec. 50% ON Time 50% OFF Time  Communication FiledBusPlug(Optional) Degree of Protection IP20  Terminal Type Screw Terminals Connecting Capacity Rigid 1/2 x 2.5 10 mm² Main Circuit Connecting Capacity 2 x 0.75 2.5 mm² Rigid 2 x 0.75 2.5	Signal indication	Green
Degree of Protection IP20 Terminal Type Screw Terminals Connecting Capacity Rigid 1/2 x 2.5 10 mm² Main Circuit Connecting Capacity 1 x 0.75 2.5 mm² Connecting Capacity 2 x 0.75 2.5 mm² Rigid 1 x 0.75 2.5 mm² Rigid 2 x 0.75 2.5 mm² Rigid 1 x 0.75 2.5 mm² Rigid 2 x 0.	Number of Starts Per Hour at 3.5*le for 7 sec. 50% ON Time 50% OFF Time	10
Terminal Type  Screw Terminals  Connecting Capacity Main Circuit  Connecting Capacity Control Circuit  Connecting Capacity  Rigid 1 x 0.75 2.5 mm² Rigid 2 x 0.75 2.5 mm² Rigid 2 x 0.75 2.5 mm² Rigid 2 x 0.75 2.5 mm²  Supply Circuit  Tightening Torque  Control Circuit 0.6 N·m Main Circuit 2.3 N·m Supply Circuit 5.3 in-lb Main Ci	Communication	FiledBusPlug(Optional)
Connecting Capacity Main Circuit  Connecting Capacity Control Circuit  Connecting Capacity  Control Circuit  Connecting Capacity  Control Circuit  Connecting Capacity  Connecting Capacity  Connecting Capacity Supply Circuit  Tightening Torque  Control Circuit 0.6 N-m Main Circuit 2.3 N-m Supply Circuit  Technical UL/CSA  Maximum Operating Voltage UL/CSA  Tightening Torque  Control Circuit 6.0 V  Main Circuit 5.3 in-lb Main Circuit 5.3 in-lb  Control Circuit 5.3 in-lb	Degree of Protection	IP20
Main Circuit  Connecting Capacity  Control Circuit  Rigid 1 x 0.75 2.5 mm² Rigid 1 x 0.75 2.5 mm² Rigid 2 x 0.75 1.5 mm² Connecting Capacity  Rigid 1 x 0.75 2.5 mm² Rigid 2 x 0.75 1.5 mm² Connecting Capacity  Supply Circuit  Tightening Torque  Control Circuit 0.6 N-m Main Circuit 2.3 N-m Supply Circuit 0.6 N-m Supply Circuit 0.6 N-m Product Main Type  PSR30  Technical UL/CSA  Maximum Operating Voltage UL/CSA  Tightening Torque  UL/CSA  Main Circuit 5.3 in-lb  Environmental  Ambient Air Coperation -25 +60 °C Storage -40 +70 °C Temperature  Operation -25 +60 °C Storage -40 +70 °C	Terminal Type	Screw Terminals
Control Circuit  2 x 0.75 2.5 mm² Rigid 1 x 0.75 2.5 mm² Rigid 2 x 0.75 2.5 mm² Rigid 2 x 0.75 2.5 mm² Rigid 2 x 0.75 2.5 mm² Supply Circuit  Tightening Torque  Control Circuit 0.6 N·m Main Circuit 2.3 N·m Supply Circuit 0.6 N·m Product Main Type  PSR30  Technical UL/CSA  Maximum Operating Voltage UL/CSA  Tightening Torque  UL/CSA  Control Circuit 5.3 in·lb  Main Circuit 600 V  Main Circuit 5.3 in·lb  Environmental  Ambient Air Coperation -25 +60 °C Storage -40 +70 °C  Temperature  Operation -25 +60 °C Storage -40 +70 °C  Temperature	Connecting Capacity Main Circuit	Rigid 1/2 x 2.5 10 mm²
Supply Circuit Tightening Torque Control Circuit 0.6 N·m Main Circuit 2.3 N·m Supply Circuit 0.6 N·m Product Main Type PSR30  Technical UL/CSA  Maximum Operating Voltage UL/CSA  Tightening Torque UL/CSA  Tightening Torque UL/CSA  Environmental  Ambient Air Coperation -25 +60 °C Storage -40 +70 °C Storage -40 +70 °C	Connecting Capacity Control Circuit	1 x 0.75 2.5 2 x 0.75 2.5 mm² Rigid 1 x 0.75 2.5 mm² Rigid 2 x 0.75 1.5 mm²
Main Circuit 2.3 N·m Supply Circuit 0.6 N·m Product Main Type  PSR30  Technical UL/CSA  Maximum Operating Voltage UL/CSA  Tightening Torque UL/CSA  Control Circuit 5.3 in·lb  Main Circuit 20.4 Supply Circuit 5.3 in·lb  Environmental  Ambient Air Temperature  Main Circuit 2.3 N·m Supply Circuit 5.0 N·m Supply Circuit 5.3 in·lb  Operation -25 +60 °C Storage -40 +70 °C	Connecting Capacity Supply Circuit	Rigid 1 x 0.75 2.5 mm <sup>2</sup>
Product Main Type  Technical UL/CSA  Maximum Operating Voltage UL/CSA  Tightening Torque UL/CSA  Control Circuit 5.3 in-lb Main Circuit 20.4 Supply Circuit 5.3 in-lb  Environmental  Ambient Air Technical UL/CSA  Operation -25 +60 °C Storage -40 +70 °C	Tightening Torque	Control Circuit 0.6 N·m Main Circuit 2.3 N·m Supply Circuit 0.6 N·m
Maximum Operating Voltage UL/CSA  Tightening Torque UL/CSA  Tightening Torque UL/CSA  Tightening Torque UL/CSA  Supply Circuit 5.3 in-lb  Environmental  Ambient Air Temperature  Main Circuit 5.3 in-lb  Operation -25 +60 °C Storage -40 +70 °C	Product Main Type	PSR30
Maximum Operating Voltage UL/CSA  Tightening Torque UL/CSA  Tightening Torque UL/CSA  Tightening Torque UL/CSA  Supply Circuit 5.3 in-lb  Environmental  Ambient Air Temperature  Main Circuit 5.3 in-lb  Operation -25 +60 °C Storage -40 +70 °C		
Main Circuit 20.4 Supply Circuit 5.3 in-lb  Environmental  Ambient Air Operation -25 +60 °C Temperature Storage -40 +70 °C	Maximum Operating Voltage UL/CSA	Main Circuit 600 V
Ambient Air Operation -25 +60 °C Temperature Storage -40 +70 °C	Tightening Torque UL/CSA	Control Circuit 5.3 in-lb Main Circuit 20.4 Supply Circuit 5.3 in-lb
Temperature Storage -40 +70 °C	Environmental	
RoHS Status Following EU Directive 2002/95/EC August 18, 2005 and amendment	Ambient Air Temperature	Operation -25 +60 °C Storage -40 +70 °C
	RoHS Status	Following EU Directive 2002/95/EC August 18, 2005 and amendment

Certificates and Declarations (Document Number)	
CQC Certificate	CQC2006010304208086
Declaration of Conformity - CCC	2020980304001088
Declaration of Conformity - CE	1SFA1-90
Environmental Information	1SFC132038D0201
Instructions and Manuals	1SFC132031M0001
RoHS Information	1SFC132031D0202

Container Information	
Package Level 1 Width	137 mm
Package Level 1 Depth / Length	50 mm
Package Level 1 Height	176 mm
Package Level 1 Gross Weight	0.7 kg
Package Level 1 EAN	7320500338308
Package Level 1 Units	box 1 piece

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Classifications	
Object Classification Code	Q
ETIM 4	EC002572 - Electronic motor control and protection device
ETIM 5	EC002572 - Electronic motor control and protection device
ETIM 6	EC002572 - Motor management device
eClass	V11.0 : 27370907
UNSPSC	39121521

## Categories

 $\label{eq:decomposition} \begin{aligned} & \mathsf{Drives} \to \mathsf{Softstarters} \to \mathsf{PSR} \, \mathsf{Softstarters} \to \mathsf{PSR30} \\ & \mathsf{Low} \, \mathsf{Voltage} \, \mathsf{Products} \, \mathsf{and} \, \mathsf{Systems} \to \mathsf{Control} \, \mathsf{Products} \to \mathsf{Softstarters} \to \mathsf{PSR30} \end{aligned}$ 





