



 PRODUCT-DETAILS

PSR6-600-70

PSR6-600-70 Softstarter - 6.8 A - 208 ... 600 V AC



General Information

Global Commercial Alias:	PSR6-600-70
Extended Product Type:	PSR6-600-70
Product ID:	1SFA896104R7000
ABB Type Designation:	PSR6-600-70
EAN:	7320500338209
Catalog Description:	PSR6-600-70 Softstarter - 6.8 A - 208 ... 600 V AC
Long Description:	<p>The softstarter PSR6-600-70 has a rated maximum operational current of 6 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 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.</p>
Display Name:	PSR6-600-70

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85371091

Popular Downloads

Data Sheet, Technical Information:	1SFC132012C0201
Instructions and Manuals:	1SFC132030M0001
Instructions and Manuals (Part 3):	1SFC132060M0201
CAD Dimensional Drawing:	2CDC001079B0201
EPLAN Data:	9AAC129233_EPLAN
Wiring Diagram:	N/A

Dimensions

Product Net Width:	45 mm
Product Net Height:	140 mm
Product Net Depth / Length:	114 mm
Product Net Weight:	0.4 kg

Technical

Rated Operational Voltage:	208 ... 600 V AC
Rated Control Supply Voltage (U _s):	100 ... 240 V AC
Rated Control Circuit Voltage (U _c):	24 V DC
Rated Frequency (f):	50/60 Hz Main Circuit 50 / 60 Hz
Rated Operational Power - In-Line Connection (P _e):	(230 V) 1.5 kW (400 V) 3 kW (500 V) 4 kW
Rated Operational Current - In-Line Connection (I _e):	6.8 A
Service Factor Percentage:	100 %
Overload Protection:	Recommended MS116 4.00 ... 10.00
Integrated Electronic Overload:	No
Starting Capacity at Maximum Rated Current I _e :	4xI _e for 6s
Ramp Time:	0 ... 20 s 1 ... 10 s
Initial Voltage During Start:	40 ... 70 %
Step Down Voltage Special Ramp:	100 ... 60 %
Current Limit Function:	No

Switch for Inside Delta Connection:	No
Run Signal Relay:	Yes
By-pass Signal Relay:	No
Fault Signal Relay:	No
Overload Signal Relay:	No
Signal Indication Completed Start Ramp (LED):	Green
Signal Indication Ready to Start/Standby ON (LED):	Green
Signal Indication Running R (LED):	Green
Signal Indication Ramping Up/Down (LED):	Green
Number of Starts Per Hour at 3.5*Ie for 7 sec. 50% ON Time 50% OFF Time:	10
Communication:	FiledBusPlug(Optional)
Degree of Protection:	acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP20
Terminal Type:	Screw Terminals
Connecting Capacity Main Circuit:	Rigid 1/2 x 0.75 ... 2.5 mm ²
Connecting Capacity Control Circuit:	1 x 0.75 ... 2.5 mm ² 2 x 0.75 ... 2.5 mm ² Rigid 1/2 x 0.75 ... 2.5 mm ²
Connecting Capacity Supply Circuit:	Rigid 1/2 x 0.75 ... 2.5
Tightening Torque:	Control Circuit 1 N·m Main Circuit 1 N·m Supply Circuit 1 N·m
Product Main Type:	PSR6
Function:	Soft start with voltage ramp Soft stop with voltage ramp

Technical UL/CSA

Horsepower Rating UL/CSA:	(200 ... 208 V AC) Three Phase 1 Hp (220 ... 240 V AC) Three Phase 1.5 Hp (440 ... 480 V AC) Three Phase 3 Hp (550 ... 600 V AC) Three Phase 5 Hp
Maximum Operating Voltage UL/CSA:	Main Circuit 600 V
Tightening Torque UL/CSA:	Control Circuit 8.9 in·lb Main Circuit 8.9 Supply Circuit 8.9 in·lb

Environmental

Ambient Air Temperature:	Operation -25 ... +60 °C Storage -40 ... +70 °C
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Material Compliance

Conflict Minerals Reporting Template (CMRT):	9AKK108467A5658
REACH Declaration:	2CMT2022-006481
RoHS Declaration:	2CMT2022-006500
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
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:	156 mm
Package Level 1 Gross Weight:	0.5 kg
Package Level 1 EAN:	7320500338209
Package Level 1 Units:	box 1 piece

External Classifications and Standards

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

Accessories

Identifier	Description	Type	Qty	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 FAN	PSR-FAN3-45A	1	piece
1SFA896313R1001	PSR-FAN60-105A FAN	PSR-FAN60-105A	1	piece

Categories

Products > Drives > Softstarters > Softstarters > PSR Softstarters > PSR6

Products > Low Voltage Products and Systems > Control Products > Softstarters > Softstarters > PSR Softstarters > PSR6

