PRODUCT-DETAILS

PSR105-600-11

PSR105-600-11 Softstarter - 105 A - 208 ... 600 V AC



General Information

Global Commercial Alias	PSR105-600-11
Extended Product Type	PSR105-600-11
Product ID	1SFA896115R1100
ABB Type Designation	PSR105-600-11
EAN	7320500477267
Catalog Description	PSR105-600-11 Softstarter - 105 A - 208 ... 600 V AC
Long Description	The softstarter PSR105-600-11 has a rated maximum operational current of 105 A with an operating voltage span from 208...600 V AC. The rated control voltage is 24 V AC/DC. 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. 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.

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Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85371091

Popular Downloads

Data Sheet, Technical Information	1SFC132012C0201
Instructions and Manuals	1SFC132079M9901
CAD Dimensional Drawing	2CDC001079B0201
Wiring Diagram	N/A

Dimensions

Product Net Width	180 mm
Product Net Height	220 mm
Product Net Depth / Length	70 mm
Product Net Weight	2.1 kg

Technical

Rated Operational Voltage	208 ... 600 V AC
Rated Control Supply Voltage (U_s)	24 V AC/DC
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 (Pe)	(230 V) 30 kW (400 V) 55 kW (500 V) 55 kW
Rated Operational Current - In-Line Connection (Ie)	105 A
Service Factor Percentage	100 %
Overload Protection	Recommended MS495 80 ... 100
Integrated Electronic Overload	No
Adjustable Rated Motor Current Ie	No
Starting Capacity at Maximum Rated Current Ie	4xIe 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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Run Signal Relay	Yes
By-pass Signal Relay	Yes
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 IP10
Terminal Type	Main Circuit: Bars
Connecting Capacity Main Circuit	Rigid 1x 6 ... 95 mm² Rigid 2 x 6 ... 35 mm²
Connecting Capacity Control Circuit	1 x 0.75 ... 2.5 2 x 0.75 ... 2.5 mm² Rigid 1/2 x 0.75 ... 2.5 mm²
Connecting Capacity Supply Circuit	Rigid 1 x 0.75 ... 2.5 mm²
Tightening Torque	Control Circuit 0.6 N·m Main Circuit 8 N·m Supply Circuit 0.6 N·m
Product Main Type	PSR105
Function	Soft start with voltage ramp Soft stop with voltage ramp

Technical UL/CSA

Horsepower Rating UL/CSA	(200 ... 208 V AC) Three Phase 30 Hp (220 ... 240 V AC) Three Phase 40 Hp (440 ... 480 V AC) Three Phase 75 Hp (550 ... 600 V AC) Three Phase 100 Hp
Maximum Operating Voltage UL/CSA	Main Circuit 600 V
Tightening Torque UL/CSA	Control Circuit 5.3 in·lb Main Circuit 70.8 Supply Circuit 5.3 in·lb

Environmental

Ambient Air Temperature	Operation -25 ... +60 °C Storage -40 ... +70 °C
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Main Terminals IP10

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658

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REACH Declaration	2CMT2022-006481
RoHS Information	2CMT2022-006500
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
SCIP	1caf577d-084a-43ed-a6ea-ef420754c09b China (CN)
Simplified SCIP	d2b5998d-e346-4f05-964d-2780655f6d37 Hungary (HU) 8b445308-2648-47f1-a41a-593564e786e9 Greece (GR) b83b72bd-46a5-4e43-8e78-42c2b9189b4e Germany (DE) dfda15a8-dd91-4e50-8aee-30b6c83359b9 Germany (DE) cca2898a-4dfd-4f15-90bd-95270e095388 Estonia (EE) e627d7d7-bf25-4182-9fc1-a233432ce1c3 Germany (DE) ca1bf596-def7-485d-93aa-5ce14161d5d6 Bulgaria (BG) 17e973dc-7870-46c5-a7e7-ef5f34730393 Poland (PL) d2ee20e3-d9a1-49d4-b50c-ab270b4633c0 Netherlands (NL) a170a5a3-12cc-4b95-90b3-8039640d81b9 Germany (DE) 276c5ed1-b47c-4b11-a7de-758b126406ce Germany (DE) 6316367b-0e87-4022-97c0-bb1b38236b6e Denmark (DK) cc881b33-6bef-4421-b675-346654246e4e Poland (PL) 86228e4d-5940-4439-a735-a2af311ecd58 Portugal (PT) f0d51129-e59b-4974-a411-7d241913fc46 France (FR) bb8d235c-9e5b-4861-b31e-f60b685801dc Belgium (BE) c758432a-acda-443f-bf65-b09c1ddd57f5 Norway (NO) 9efdb42b-c1fe-4671-af53-15557daeb42b Finland (FI) e5f18c1f-acfd-4148-888a-6b068706089f Sweden (SE) 9682c877-ec29-4bdf-8354-056792b9c9c8 Poland (PL) 0584f014-7b5d-4d83-af8c-47f39eac3390 France (FR) 54faef34-4bb9-42c2-b843-1d3ba1df2c31 Sweden (SE) a5ccf6bc-f1a2-417e-a9f7-4e523b20f42b Hungary (HU) 501c1aa6-d749-4002-9e54-1ebf614fa8f9 Spain (ES) 79470bfd-aa43-45f3-a204-fd05858a3cd0 Belgium (BE) 76f5a438-4408-4c0d-b2a0-76fa6190c7df Croatia (HR) 701e91fa-0ee5-4117-aa1f-62872988c231 Czech Republic (CZ)
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	CQC2008010304295498
Declaration of Conformity - CCC	2020980304001090
Declaration of Conformity - CE	2CMT004861

Container Information

Package Level 1 Width	195 mm
Package Level 1 Depth / Length	86 mm
Package Level 1 Height	230 mm
Package Level 1 Gross Weight	2.3 kg
Package Level 1 EAN	7320500477267
Package Level 1 Units	box 1 piece

Classifications

Object Classification Code	Q
ETIM 7	EC000640 - Soft starter

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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	Quantity	Unit Of Measure
1SFA899002R1072	PSLW-72 Terminal Enlargement	PSLW-72	1	piece
1SFA896312R1002	PS-FBPA Fieldbus plug kit	PS-FBPA	1	piece
1SFA896313R1001	PSR-FAN60-105A FAN	PSR-FAN60-105A	1	piece

Categories

Drives → Softstarters → Softstarters → PSR Softstarters → PSR105

Low Voltage Products and Systems → Control Products → Softstarters → Softstarters → PSR Softstarters → PSR105







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