

PRODUCT-DETAILS

PSE85-600-70 PSE85-600-70 Softstarter - 85 A - 208 ... 600 V AC

General Information	ted by the out of the	
Global Commercial Alias		PSE85-600-70
Extended Product Type	~~~~	PSE85-600-70
Product ID	<u> </u>	1SFA897108R7000
ABB Type Designation		PSE85-600-70
EAN		7320500400661
Catalog Description		PSE85-600-70 Softstarter - 85 A - 208 600 V AC
Long Description	an operating voltage span from 20 100250 V AC at 50/60 Hz. PSE feat through a voltage or a torque ra energy saving. A RUN, TOR, and (normally open state). The PSE ha output, EOL, underload, and lock Illuminated display that uses symb can add an identical external ke communicate with PSE. It can be fault. Another popular option is the can also use an external adaptor softstarter. It's a perfect balance b Very suitable for small to mediun	a rated maximum operational current of 85 A with 08600 V AC. The rated control voltage is between tures a two-phase control with a soft start and stop amp. It has built-in bypass for easy installation and d Event signal is available from a relay output in NO as functions such as current limit, kickstart, analog ked rotor protection. To interact with PSE, it has an bools to become language neutral. As an option, you eypad with a rating of IP66. There are three ways to done by hardwire inputs Start/Stop or by Reset of built-in fieldbus communication Modbus RTU. You r and a Fieldbus plug. PSE is a true general purlpose beltween high starting capacity and cost effiliciency. m-sized three-phase motors with nominal currents ns 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		1SFC132012C0202
Instructions and Manuals		1SFC132057M0201
CAD Dimensional Drawing		2CDC001079B0201
Wiring Diagram		N/#
Dimensions		
Product Net Width		90 mm
Product Net Height		245 mm
Product Net Depth / Length		184 mm
Product Net Weight		2.6 kg
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Technical		
Rated Operational Voltage		208 600 V AC
Rated Control Supply Voltage (U _S)	5	100 250 V AC
Rated Control Circuit Voltage (U _c)	ð	24 V DC
Rated Frequency (f)		50/60 Hz Main Circuit 50 / 60 Hz
Rated Operational Power	Ň	(230 V) 22 kw
- In-Line Connection (Pe)		(400 V) 45 kM (500 V) 55 kM
Rated Operational Current - In-Line Connection (Ie)		85 A
Service Factor Percentage		100 %
Overload Protection		Build-in electronic overload protection
Integrated Electronic Overload		Yes
Adjustable Rated Motor Current le		30 100 %
Starting Capacity at Maximum Rated Current Ie		4xle for 10s
Ramp Time		0 30 second [unit of time] 1 30 second [unit of time]
Initial Voltage During Start		30 70 %
Step Down Voltage Special Ramp		No %
Current Limit Function		1.5 7xle
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Switch for Inside Delta Connection	No
Run Signal Relay	Yes
By-pass Signal Relay	Yes
Fault Signal Relay	Yes
Overload Signal Relay	Yes
Analog Outputs	420 mA
Signal Indication	Green
Completed Start Ramp (LED)	
Signal Indication Ready to Start/Standby ON (LED)	Green
Signal Indication Running R (LED)	Green
Signal Indication Ramping Up/Down (LED)	Green
Signal Indication Protection (LED)	Yellow
Signal Indication Fault (LED)	Red
Number of Starts Per Hour at 3.5*le for 7 sec. 50% ON Time 50% OFF Time	10
Communication	Modbus-RTU
Degree of Protection	IP00
Terminal Type	Screw Terminals
Connecting Capacity Main Circuit	Hole Diameter 8.5 mm Rigid 1/2 x 2.5 70 mm² Width and Thickness 17.5x5 mm
Connecting Capacity Control Circuit	Rigid 1 x 2.5 mm² Rigid 2 x 1.5 mm²
Connecting Capacity Supply Circuit	Rigid 1 x 2.5 mm ²
Tightening Torque	Control Circuit 0.5 N·m Main Circuit 9 N·m Supply Circuit 0.5 N·m
Product Main Type	PSE85
Function	Soft start with torque control Soft start with voltage ramp Soft stop with torque control Soft stop with voltage ramp Kick start Sequence start Current limit Start reverse (external contactors)
	Automatic restart Event log
Protection Function	Electronic overload protection, EOL; Locked rotor protection; Current underload protection

Technical UL/CSA	
Maximum Operating Voltage UL/CSA	Main Circuit 600 V
Tightening Torque	Control Circuit 4.4 in·lb
UL/CSA	Main Circuit 79.7
	Supply Circuit 4.4 in Ib

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Environmental	
Ambient Air	Operation -25 +60 °C
Temperature	Storage -40 +70 °C
Degree of Protection	IPOO

Material Compliance		
Conflict Minerals Reporting Template (CMRT)		9AKK108467A5658
REACH Declaration		2CMT2022-006481
RoHS Information		2CMT2022-006500
RoHS Status	Following EU Directive 2011/65/EU and Amer	ndment 2015/863 July 22, 2019
SCIP	32f0bc4b-0f5e-4dac-a58	Be-324c4057cde6 Sweden (SE)
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	(\$`	CQC2011010304468093
Declaration of Conformity - CCC		2020980304001546
Declaration of Conformity - CE		2CMT2015-005447
Container Information		
Package Level 1 Width	\ `	178 mm
Package Level 1 Depth / Length	, e	257 mm
Package Level 1 Height		288 mm
Package Level 1 Gross Weight	A.	3.3 kg
Package Level 1 EAN	<u>N</u>	7320500400661
Package Level 1 Units	6 ³	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

Accessories

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Identifier 1SFN074307R1000	Description	Type Quantity		Unit Of Measure
	LW110 Terminal Enlargement	LW110	1	piece
1SFN124203R1000	LT140-30L Terminal Shroud	LT140-30L	1	piece
1SFA897100R1001	PSEEK EXTERNAL KEYPAD	PSEEK	1	piece
1SFA897201R1001	PSECA USB cable	PSECA	1	piece
1SFA896312R1002	PS-FBPA Fieldbus plug kit	PS-FBPA	1	piece
1SFA899300R1020	PS-MBIA Communication Module	PS-MBIA	1	piece

