

PRODUCT-DETAILS

PSRC45-600-70

PSRC45-600-70 Softstarter



General Information

Global Commercial Alias	PSRC45-600-70
Extended Product Type	PSRC45-600-70
Product ID	1SFA896211R7000
ABB Type Designation	PSRC45-600-70
EAN	7320500465554
Catalog Description	PSRC45-600-70 Softstarter
Long Description	Softstarter PSRC45-600-70 with fixed settings optimized for control of scroll compressors. For max 600V main voltage and 100-240V 50/60Hz control supply voltage.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85044090

Popular Downloads

Data Sheet, Technical Information	1SFC132012C0201
Instructions and Manuals	1SFC132043M0001

Dimensions

Product Net Width	153 mm
Product Net Height	187 mm
Product Net Depth / Length	54 mm
Product Net Weight	1 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)	50 Hz / 60 Hz 100 ... 240 V AC DC Operation 24 V
Rated Frequency (f)	50/60 Hz Main Circuit 50 / 60 Hz
Rated Operational Power - In-Line Connection (P _e)	(230 V) 11 kW (400 V) 22 kW (500 V) 30 kW
Rated Operational Current - In-Line Connection (I _e)	45 A
Service Factor Percentage	100 %
Overload Protection	Recommended MS450 36 ... 45
Integrated Electronic Overload	No
Starting Capacity at Maximum Rated Current I _e	4xI _e for 6s
Ramp Time	Fixed setting Fixed setting Fixed setting
Initial Voltage During Start	Fixed setting
Step Down Voltage Special Ramp	Fixed setting
Current Limit Function	No
Switch for Inside Delta Connection	No
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*I _e for 7 sec. 50% ON Time 50% OFF Time	10
Communication	FieldBusPlug(Optional)
Degree of Protection	IP10
Terminal Type	Screw Terminals
Connecting Capacity Main Circuit	Rigid 2 x 0.75 ... 1.5 mm ²
Connecting Capacity	Rigid 1 x 0.75 ... 2.5 mm ²

Supply Circuit

Tightening Torque	Control Circuit 0.6 N·m Main Circuit 4 N·m Supply Circuit 0.6 N·m
Product Main Type	PSRC45

Technical UL/CSA

Maximum Operating Voltage UL/CSA	Main Circuit 600 V
Ampere Rating UL/CSA	46 A
Tightening Torque UL/CSA	Control Circuit 5.3 in·lb Main Circuit 35.4 in·lb Supply Circuit 5.3 in·lb

Environmental

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	CQC2006010304208083
Declaration of Conformity - CCC	2020980304001089
Declaration of Conformity - CE	2CMT003878
Environmental Information	1SFC132038D0201
Instructions and Manuals	1SFC132043M0001
RoHS Information	1SFC132031D0202

Container Information

Package Level 1 Width	163 mm
Package Level 1 Depth / Length	56 mm
Package Level 1 Height	217 mm
Package Level 1 Gross Weight	1.1 kg
Package Level 1 EAN	7320500465554
Package Level 1 Units	box 1 piece

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
UNSPSC	39121521

Categories

Drives → Softstarters → Softstarters → PSR Softstarters → PSRC45

Low Voltage Products and Systems → Control Products → Softstarters → Softstarters → PSR Softstarters → PSRC45

