

General Information

Extended Product Type:	PSR85-600-70
Product ID:	1SFA896114R7000
EAN:	7320500362631
Catalog Description:	PSR85-600-70 SOFTSTARTER
Long Description:	Softstarter PSR85-600-70 for max 600V main voltage and 100-240V 50/60Hz control supply voltage

Categories

Products » Low Voltage Products and Systems » Control Products » Softstarters » Softstarters

Interactive Guides

Category Related Guides: [ABB improves mining industry efficiency - Softstarter PSTX](#)

Ordering

EAN:	7320500362631
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85371099

Dimensions

Product Net Width:	70.000 mm
Product Net Height:	220.000 mm
Product Net Depth:	180.000 mm
Product Net Weight:	2.27 kg

Container Information

Package Level 1 Width:	86 mm
Package Level 1 Length:	230 mm
Package Level 1 Height:	195 mm
Package Level 1 Gross Weight:	2.47 kg
Package Level 1 EAN:	7320500362631
Package Level 1 Units:	1 piece
Package Level 2 Units:	1 piece

Technical

Rated Operational Voltage:	Main Circuit 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
Rated Frequency (f):	Main Circuit 50/60 Hz Control Supply 50/60 Hz
Rated Operational Power - In-Line Connection (P_e):	at 230 V 22 kW at 400 V 45 kW at 500 V 55 kW
Rated Operational Current - In-Line Connection (I_e):	85 A
Service Factor Percentage:	100 %
Overload Protection:	Recommended MS495 70 ... 90
Integrated Electronic Overload:	No
Adjustable Rated Motor Current I_e :	No %
Starting Capacity at Maximum Rated Current I_e :	4xle for 6s
Ramp Time:	During Start 1 ... 10 second [unit of time] During Stop 0 ... 20 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
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 ^{le} 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 1x10 ... 95 mm ² Rigid 2x6 ... 35 mm ²
Connecting Capacity Control Circuit:	Rigid 1x0.75 ... 2.5 mm ² Rigid 2x0.75 ... 1.5 mm ²
Connecting Capacity Supply Circuit:	Rigid 1x0.75 ... 2.5 mm ² Rigid 2x0.75 ... 1.5 mm ²
Tightening Torque:	Main Circuit 8 N·m Supply Circuit 0.6 N·m Control Circuit 0.6 N·m
Product Main Type:	PSR85

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)

Data Sheet, Technical Information:	1SFC132005C0201
Declaration of Conformity - CE:	1SFA1-95
RoHS Information:	1SFC132031D0202
Instructions and Manuals:	1SFC132033M0001

Classifications

Object Classification Code:	Q
E-number:	3302078
ETIM 4:	EC002572 - Electronic motor control and protection device
ETIM 5:	EC002572 - Electronic motor control and protection device
UNSPSC:	39121521

