

Single-phase switchmode power supply

connectPower ECOLINE
CP SNT 70W 24V 3A
CP SNT 120W 24V 5A
CP SNT 250W 24V 10A
CP SNT 500W 24V 20A



- Output voltage 24...28 V DC variable
- Wide range input 85...264 V AC / 120...370 V DC, opt. 250...370 V DC
- LED operation display
- status contact as change-over switch
- TS 35 mounting rails
- Overload response: electronic current limitation
- Power diode module for parallel connection / redundancy
- Harmonic current reduction through PFC
- International approvals for world-wide use
- Silicone free

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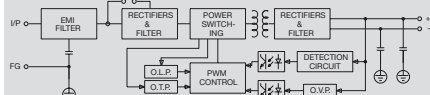
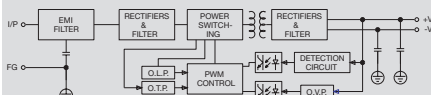
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Switch-mode power supply

connect Power 1-phase ECOLINE

CP SNT 70W 24V 3A

CP SNT 120W 24V 5A



Technical data

Input

Input voltage
Input current
Input frequency
Mains fuse
Overvoltage protection

Output

Output voltage
Output current
max. output power
max. residual ripple
Overload protection

Overvoltage protection
Stored energy time by mains failure: 115 V AC / 230 V AC
Closed-loop control at 10...100% load
Possibility of parallel connection
Melderelais/Wechslerkontakt

Insulation co-ordination

Galvanic isolation output-earth
Galvanic isolation input-earth
Galvanic isolation input-output

General specifications

Operating temperature / Storage temperature
Efficiency under max. load
Status display
Standards
EMC standards
Power factor correction
Mounting position
Mounting
Weight
Approvals

85...264 V AC; 120...370 V DC
2.0 A @ 100...240 V AC
50/60 Hz
Fusible link 2,5 A (T) / 250 V
Varistor

24...28 V DC (adjustable via potentiometer)

3.0 A
72 W
100 mVss / bandwidth 20 Mhz
105%...150% I_{const.} of max. output power, automatic restart

29...34 V

10 ms / 20 ms

2 %

With external diode module

250 V AC (max. 30 V DC) / 1 A

0.5 kV AC

1.5 kV AC

3 kV AC

-10 °C...+60 °C / -20 °C...+85 °C

80 %

LED green

EN 60950

EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3

no

Horizontal on mounting rail TS35

Clearance: side ≥ 2 cm; above/below ≥ 10 cm

approx. 0.55 kg

CE (UL= 508 / UL= 60950 in preparation)

Screw connection

4 / 0.13 / 4

125.2 x 55.5 x 100.0

88...132 V AC/176...264 V AC reversible; 250...370 V DC
3.0 A @ 115 V AC; 2.0 A @ 230 V AC
50/60 Hz
Fusible link 4 A (T) / 250 V
Varistor

24...28 V DC (adjustable via potentiometer)

5 A
120 W
100 mVss / bandwidth 20 Mhz
105%...150% I_{const.} of max. output power, automatic restart

29...34 V

20 ms / 20 ms

2 %

With external diode module

250 V AC (max. 30 V DC) / 1 A

0.5 kV AC

1.5 kV AC

3 kV AC

-10 °C...+55 °C / -20 °C...+85 °C

84 %

LED green

EN 60950

EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3

no

Horizontal on mounting rail TS35

Clearance: side ≥ 2 cm; above/below ≥ 10 cm

approx. 0.65 kg

CE (UL= 508 / UL= 60950 in preparation)

Screw connection

4 / 0.13 / 4

125.2 x 65.5 x 100.0

Ordering data

Type	Qty.	Order No.
CP SNT 70W 24V 3A	1	8708660000

Type	Qty.	Order No.
CP SNT 120 W 24 V 5 A	1	8708670000

Note

Accessories

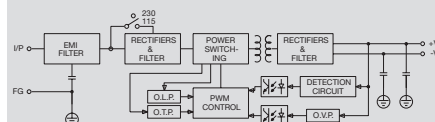
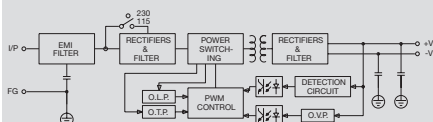
Note

Switch-mode power supply

connectPower 1-phase ECOLINE

CP SNT 250W 24V 10A

CP SNT 500W 24V 20A



Technical data

Input

Input voltage
Input current
Input frequency
Mains fuse
Overvoltage protection

Output

Output voltage
Output current
max. output power
max. residual ripple
Overload protection

Overvoltage protection
Stored energy time by mains failure: 115 V AC / 230 V AC
Closed-loop control at 10...100% load
Possibility of parallel connection
Signal relay / change-over contact

Insulation co-ordination

Galvanic isolation output-earth
Galvanic isolation input-earth
Galvanic isolation input-output

General specifications

Operating temperature / Storage temperature
Efficiency under max. load
Status display
Standards
EMC standards
Power factor correction
Mounting position
Mounting
Weight
Approvals

88...132 V AC / 176...264 V AC reversible; 250...370 V DC
3,6 A @ 115 V AC / 2,0 A @ 230 V AC
50/60 Hz
Fusible link 5 A (T) / 250 V
Varistor

24...28 V DC (adjustable via potentiometer)

10 A

240 W

100 mVss / bandwidth 20 Mhz

105 %...150 % I_{const.} of max. output power,
automatic restart

30...36 V

10 ms / 15 ms

2 %

With external diode module

250 V AC (max. 30 V DC) / 1 A

0,5 kV AC

1,5 kV AC

3 kV AC

-10 °C...+55 °C / -20 °C...+85 °C

84 %

LED green

EN 60950

EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3

PFC 0.98 @ 115 V AC; 0.95 @ 230 V AC

Horizontal on mounting rail TS35

Clearance: side ≥ 2 cm; above/below ≥ 10 cm

approx. 1.6 kg

CE (LVD) 508 / (EMC) 60950 in preparation)

Screw connection

4 / 0.13 / 4

125.2 x 125.5 x 100.0

Note

88...132 V AC / 176...264 V AC reversible; 250...370 V DC
9,0 A @ 115 V AC / 6,0 A @ 230 V AC
50/60 Hz
Fusible link 10 A (T) / 250 V
Varistor

24...28 V DC (adjustable via potentiometer)

20 A

480 W

100 mVss / bandwidth 20 Mhz

105 %...150 % I_{const.} of max. output power,
automatic restart

30...36 V

10 ms / 15 ms

2 %

directly with same type, alternatively with diode module

250 V AC (max. 30 V DC) / 1 A

0,5 kV AC

1,5 kV AC

3 kV AC

-10 °C...+55 °C / -20 °C...+85 °C

86 %

LED green

EN 60950

EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3

PFC 0.98 @ 115 V AC; 0.95 @ 230 V AC

Horizontal on mounting rail TS35

Clearance: side ≥ 2 cm; above/below ≥ 10 cm

approx. 2 kg

CE (LVD) 508 / (EMC) 60950 in preparation)

Screw connection

4 / 0.13 / 4

125.2 x 227.5 x 100.0

Note

Ordering data

Type	Qty.	Order No.
CP SNT 250W 24V 10A	1	8708680000

Type	Qty.	Order No.
CP SNT 500W 24V 20A	1	8778870000

Note

Accessories

Note

