

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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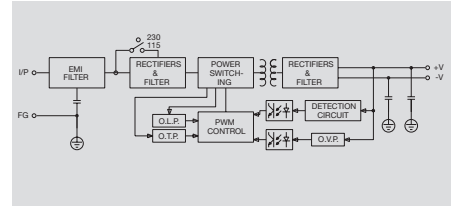
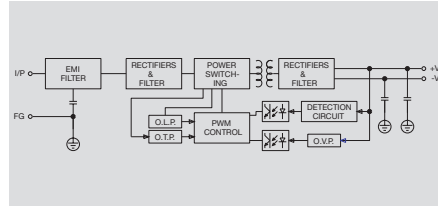
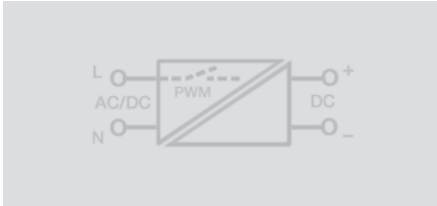
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Switch-mode power supply

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
Melderrelais/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

Clamping area (nominal / min. / max.) mm²
Length x width x height mm

Note

Ordering data

Note

Accessories

Note

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) / 1A

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) / 1A

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

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

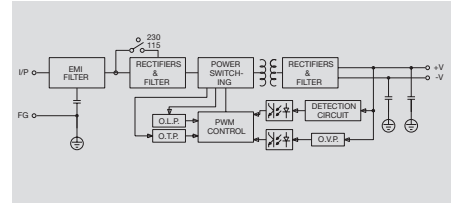
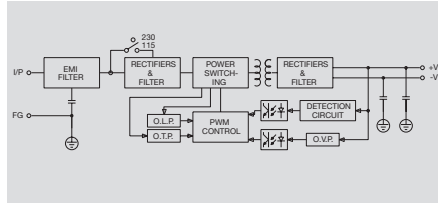
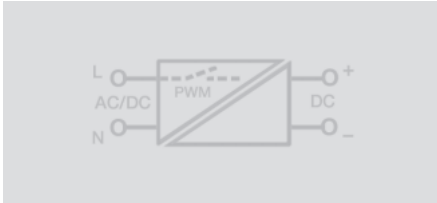
Type	Qty.	Order No.
CP SNT 120 W 24 V 5 A	1	8708670000

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 % Iconst. 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) / 1A

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 (EMC 508 / EMC 60950 in preparation)

Screw connection

4 / 0.13 / 4
125.2 x 125.5 x 100.0

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 % Iconst. 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) / 1A

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 (EMC 508 / EMC 60950 in preparation)

Screw connection

4 / 0.13 / 4
125.2 x 227.5 x 100.0

Clamping area (nominal / min. / max.) mm²
Length x width x height mm

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

X-ON Electronics

Authorized Distributor

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