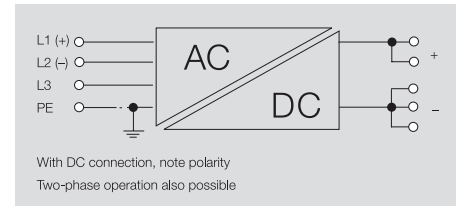
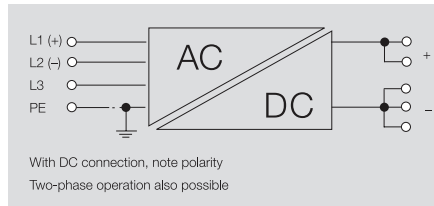
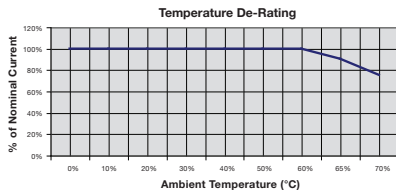


CP M SNT3 500W 24V 20A

CP M SNT3 1000W 24V 40A



Derating Curve



Ordering Data

Type	Part No.
CP M SNT3 500W 24V 20A	8951410000

Type	Part No.
CP M SNT3 1000W 24V 40A	8951420000

Technical Data

Input Specifications

Rated input voltage
AC input voltage range
AC frequency range
DC input voltage range
AC current consumption
DC current consumption
Input fuse (internal)
Circuit Protection

3 x 400...3 x 500 V AC (wide-range input)
3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC
47...63 Hz
450...800 V DC (max. 500 V DC acc. to UL508)
0.9 A @ 3 x 500 V AC / 1.1 A @ 3 x 400 V AC
0.7 A @ 800 V DC / 1.3 A @ 450 V DC
no
2 A / DI, safety fuse
3...5 A, Char. C, Circuit breaker

3 x 400...3 x 500 V AC (wide-range input)
3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC
47...63 Hz
450...800 V DC (max. 500 V DC acc. to UL508)
1.8 A @ 3 x 500 V AC / 2.1 A @ 3 x 400 V AC
1.4 A @ 800 V DC / 2.5 A @ 450 V DC
no
4 A / DI, safety fuse
10 A, Char. B, Circuit breaker
6...8 A, Char. C, Circuit breaker

Output Specifications

Rated output voltage
Output voltage
Residual ripple, switching peaks
Rated output current @ V_{rated}
Continuous output current @ 24 V DC
Power boost @ 24 V DC, 60 °C

24 V DC \pm 1 %
22.5...29.5 V DC (adjustable via potentiometer on front)
100 mV _{SS} @ 24 V DC, I _N
20 A @ 60 °C
24 A @ 45 °C
22 A @ 55 °C
15 A @ 70 °C
24 A for 1 min, ED=5 %

24 V DC \pm 1 %
22.5...29.5 V DC (adjustable via potentiometer on front)
100 mV _{SS} @ 24 V DC, I _N
40 A @ 60 °C
48 A @ 45 °C
44 A @ 55 °C
30 A @ 70 °C
48 A for 1 min, ED=5 %

General Specifications

Efficiency
Power factor (approx.)
Mains buffering @ I _{rated}
Parallel connection option
Length x Width x Height
Weight

> 90 % @ 3 x 500 V AC / > 91 % @ 3 x 400 V AC
> 0.75 @ 3 x 500 V AC / > 0.78 @ 3 x 400 V AC
> 25 ms @ 3 x 500 V AC / > 20 ms @ 3 x 400 V AC
yes
150 x 115 x 130
1.5 kg

> 90 % @ 3 x 500 V AC / 92 % @ 3 x 400 V AC
> 0.75 @ 3 x 500 V AC / > 0.78 @ 3 x 400 V AC
> 25 ms @ 3 x 500 V AC / > 20 ms @ 3 x 400 V AC
yes
150 x 140 x 130
2.9 kg

Approvals/Certifications

CE, cURus, UL508, CSA22.2 no.107

CE, cURus, UL508, CSA22.2 no.107

Connection Data

Type of connection	Number of terminals	Conductor cross-section, rigid min/max	Conductor cross-section, flexible min/max	Conductor cross-section, AWG/kcmil min/max
Screw connection	4 for L1/L2/L3/PE	0.5 / 6	0.5 / 2.5	26 / 10

Input	Output
Screw connection	Screw Connection
4 for L1/L2/L3/PE	5 (+/+/-)
0.5 / 6	0.5 / 6
0.5 / 2.5	0.5 / 2.5
26 / 10	26 / 10

Input	Output
Screw connection	Screw Connection
4 for L1/L2/L3/PE	5 (+/+/-)
0.5 / 6	0.5 / 16
0.5 / 2.5	0.5 / 10
26 / 10	26 / 6

* Recommendation applies only for AC operation; the max. permissible operating voltage is to be observed in all cases!

* Recommendation applies only for AC operation; the max. permissible operating voltage is to be observed in all cases!