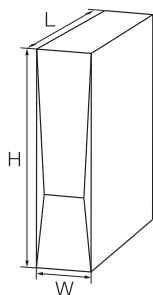


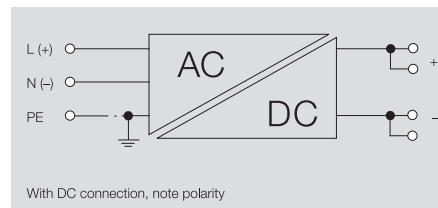
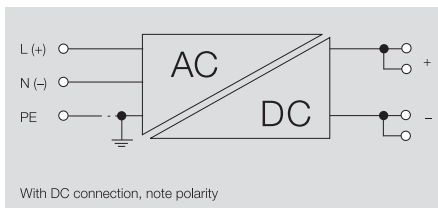
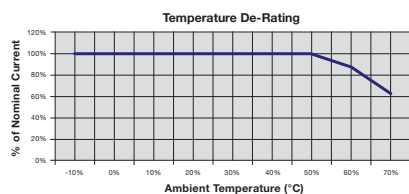
PRO-M – Single Phase Input Supplies

CP M SNT 70W 24V 3A

CP M SNT 120W 24V 5A



Derating Curve



Ordering Data

Type	Part No.
CP M SNT 70W 24V 3A	8951330000

Type	Part No.
CP M SNT 120W 24V 5A	8951340000

Technical Data

Input Specifications

Rated input voltage	100...240 V AC (wide-range input)
AC input voltage range	85...264 V AC
AC frequency range	47...63 Hz
DC input voltage range	80...370 V DC
AC current consumption	0.80 A @ 230 V AC / 1.5A @ 115 V AC
DC current consumption	0.25 A @ 370 V DC / 1.1 A @ 80 V DC
Input fuse (internal)/Inrush current	yes/max. 20 A
Circuit Protection	2 A / DI, safety fuse 6 A, Char. B, Circuit breaker 2...4 A, Char. C, Circuit breaker

Rated input voltage	100...240 V AC (wide-range input)
AC input voltage range	85...264 V AC
AC frequency range	47...63 Hz
DC input voltage range	80...370 V DC
AC current consumption	0.80 A @ 230 V AC / 1.5A @ 115 V AC
DC current consumption	0.25 A @ 370 V DC / 1.1 A @ 80 V DC
Input fuse (internal)/Inrush current	yes/max. 20 A
Circuit Protection	2 A / DI, safety fuse 6 A, Char. B, Circuit breaker 2...4 A, Char. C, Circuit breaker

Rated input voltage	100...240 V AC (wide-range input)
AC input voltage range	85...264 V AC
AC frequency range	47...63 Hz
DC input voltage range	80...370 V DC
AC current consumption	1.3 A @ 230 V AC / 2.4 A @ 115 V AC
DC current consumption	0.5 A @ 370 V DC / 1.8 A @ 80 V DC
Input fuse (internal)/Inrush current	yes/max. 30 A
Circuit Protection	4 A / DI, safety fuse 6 A, Char. B, Circuit breaker 3...5 A, Char. C, Circuit breaker

Output Specifications

Rated output voltage	24 V DC ± 1 %
Output voltage	22.5...29.5 V DC (adjustable via potentiometer on front)
Residual ripple, switching peaks	100 mV _{SS} @ 24 V DC, I _N
Rated output current @ V _{rated}	3 A @ 55 °C
Continuous output current @ 24 V DC	3.6 A @ 45 °C 3.3 A @ 50 °C 1.8 A @ 70 °C
Power boost @ 24 V DC, 60 °C	3.6 A for 1 min, ED=5 %

Rated output voltage	24 V DC ± 1 %
Output voltage	22.5...29.5 V DC (adjustable via potentiometer on front)
Residual ripple, switching peaks	100 mV _{SS} @ 24 V DC, I _N
Rated output current @ V _{rated}	5 A @ 55 °C
Continuous output current @ 24 V DC	6.0 A @ 45 °C 5.5 A @ 50 °C 3.1 A @ 70 °C
Power boost @ 24 V DC, 60 °C	6 A for 1 min, ED=5 %

Rated output voltage	24 V DC ± 1 %
Output voltage	22.5...29.5 V DC (adjustable via potentiometer on front)
Residual ripple, switching peaks	100 mV _{SS} @ 24 V DC, I _N
Rated output current @ V _{rated}	5 A @ 55 °C
Continuous output current @ 24 V DC	6.0 A @ 45 °C 5.5 A @ 50 °C 3.1 A @ 70 °C
Power boost @ 24 V DC, 60 °C	6 A for 1 min, ED=5 %

General Specifications

Efficiency	88 % @ 230 V AC / > 85 % @ 115 V AC
Power factor (approx.)	> 0.5 @ 230 V AC / > 0.53 @ 115 V AC
Mains buffering @ I _{rated}	> 100 ms @ 230 V AC / > 20 ms @ 100 V AC
Parallel connection option	yes
Length x Width x Height	mm 125 x 33 x 130
Weight	0.69 kg

Efficiency	88 % @ 230 V AC / > 85 % @ 115 V AC
Power factor (approx.)	> 0.5 @ 230 V AC / > 0.53 @ 115 V AC
Mains buffering @ I _{rated}	> 100 ms @ 230 V AC / > 20 ms @ 100 V AC
Parallel connection option	yes
Length x Width x Height	mm 125 x 33 x 130
Weight	0.69 kg

Efficiency	89 % @ 230 V AC / > 85 % @ 115 V AC
Power factor (approx.)	> 0.5 @ 230 V AC / > 0.53 @ 115 V AC
Mains buffering @ I _{rated}	> 100 ms @ 230 V AC / > 20 ms @ 100 V AC
Parallel connection option	yes
Length x Width x Height	mm 125 x 40 x 130
Weight	0.8 kg

Approvals/Certifications

CE, cURus, cULus Listed to UL508 and CSA C22.2 No. 107.1

CE, cURus, cULus Listed to UL508 and CSA C22.2 No. 107.1

Connection Data

Input	Output
Type of connection	Screw connection
Number of terminals	3 for L/N/PE
Conductor cross-section, rigid min/max	mm ² 0.5 / 6
Conductor cross-section, flexible min/max	mm ² 0.5 / 2.5
Conductor cross-section, AWG/kcmil min/max	26 / 12

Input	Output
Type of connection	Screw Connection
Number of terminals	4 (++/-)
Conductor cross-section, rigid min/max	mm ² 0.5 / 6
Conductor cross-section, flexible min/max	mm ² 0.5 / 2.5
Conductor cross-section, AWG/kcmil min/max	26 / 12

Input	Output
Type of connection	Screw Connection
Number of terminals	5 (++/-)
Conductor cross-section, rigid min/max	mm ² 0.5 / 6
Conductor cross-section, flexible min/max	mm ² 0.5 / 2.5
Conductor cross-section, AWG/kcmil min/max	26 / 26

Accessories

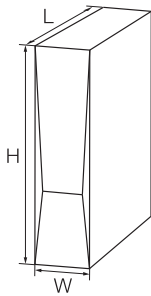
* Recommendation applies only for AC operation; the max. permissible operating voltage is to be observed in all cases!

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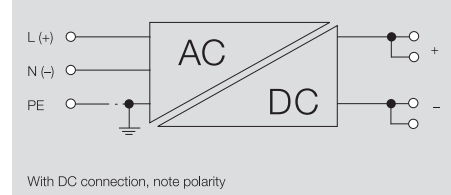
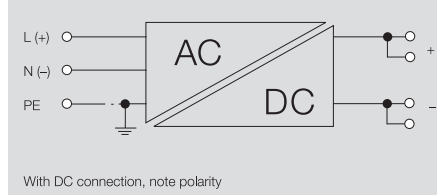
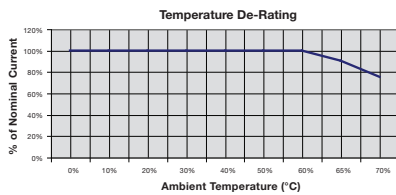
PRO-M – Single Phase Input Supplies

CP M SNT 180W 24V 7.5A

CP M SNT 250W 24V 10A



Derating Curve



Ordering Data

Type	Part No.
CP M SNT 180W 24V 7.5A	8951350000

Type	Part No.
CP M SNT 250W 24V 10A	8951360000

Technical Data

Input Specifications

Rated input voltage	100...240 V AC (wide-range input)
AC input voltage range	85...264 V AC
AC frequency range	47...63 Hz
DC input voltage range	80...370 V DC
AC current consumption	1.9 A @ 230 V AC / 3.6 A @ 115 V AC
DC current consumption	0.6 A @ 370 V DC / 2.6 A @ 80 V DC
Input fuse (internal)/Inrush current	yes
Circuit Protection	6 A / DI, safety fuse 16 A, Char. B, Circuit breaker 5...10 A, Char. C, Circuit breaker

Rated input voltage	100...240 V AC (wide-range input)
AC input voltage range	85...264 V AC
AC frequency range	47...63 Hz
DC input voltage range	80...370 V DC
AC current consumption	1.9 A @ 230 V AC / 3.6 A @ 115 V AC
DC current consumption	0.6 A @ 370 V DC / 2.6 A @ 80 V DC
Input fuse (internal)/Inrush current	yes
Circuit Protection	6 A / DI, safety fuse 16 A, Char. B, Circuit breaker 5...10 A, Char. C, Circuit breaker

Rated input voltage	100...240 V AC (wide-range input)
AC input voltage range	85...264 V AC
AC frequency range	47...63 Hz
DC input voltage range	80...370 V DC
AC current consumption	1.3 A @ 230 V AC / 2.5 A @ 115 V AC
DC current consumption	0.9 A @ 370 V DC / 3.4 A @ 80 V DC
Input fuse (internal)/Inrush current	yes
Circuit Protection	6 A / DI, safety fuse 16 A, Char. B, Circuit breaker 5...10 A, Char. C, Circuit breaker

Output Specifications

Rated output voltage	24 V DC ± 1 %
Output voltage	22.5...29.5 V DC (adjustable via potentiometer on front)
Residual ripple, switching peaks	100 mV _{SS} @ 24 V DC, I _N
Rated output current @ V _{rated}	7.5 A @ 60 °C
Continuous output current @ 24 V DC	9.0 A @ 45 °C 8.2 A @ 55 °C 5.6 A @ 70 °C
Power boost @ 24 V DC, 60 °C	9 A for 1 min, ED=5 %

Rated output voltage	24 V DC ± 1 %
Output voltage	22.5...29.5 V DC (adjustable via potentiometer on front)
Residual ripple, switching peaks	100 mV _{SS} @ 24 V DC, I _N
Rated output current @ V _{rated}	10 A @ 60 °C
Continuous output current @ 24 V DC	12 A @ 45 °C 11 A @ 55 °C 7.5 A @ 70 °C
Power boost @ 24 V DC, 60 °C	12 A for 1 min, ED=5 %

Rated output voltage	24 V DC ± 1 %
Output voltage	22.5...29.5 V DC (adjustable via potentiometer on front)
Residual ripple, switching peaks	100 mV _{SS} @ 24 V DC, I _N
Rated output current @ V _{rated}	10 A @ 60 °C
Continuous output current @ 24 V DC	12 A @ 45 °C 11 A @ 55 °C 7.5 A @ 70 °C
Power boost @ 24 V DC, 60 °C	12 A for 1 min, ED=5 %

General Specifications

Efficiency	90 % @ 230 V AC / > 85 % @ 115 V AC
Power factor (approx.)	> 0.5 @ 230 V AC / > 0.53 @ 115 V AC
Mains buffering @ I _{rated}	> 40 ms @ 230 V AC / > 20 ms @ 100 V AC
Parallel connection option	yes
Length x Width x Height	mm 150 x 50 x 130
Weight	1.0 kg

Efficiency	90 % @ 230 V AC / > 85 % @ 115 V AC
Power factor (approx.)	> 0.5 @ 230 V AC / > 0.53 @ 115 V AC
Mains buffering @ I _{rated}	> 40 ms @ 230 V AC / > 20 ms @ 100 V AC
Parallel connection option	yes
Length x Width x Height	mm 150 x 50 x 130
Weight	1.0 kg

Efficiency	90 % @ 230 V AC / > 85 % @ 115 V AC
Power factor (approx.)	> 0.98 @ 230 V AC / > 0.98 @ 115 V AC
Mains buffering @ I _{rated}	> 40 ms @ 230 V AC / > 20 ms @ 100 V AC
Parallel connection option	yes
Length x Width x Height	mm 150 x 60 x 130
Weight	1.2 kg

Approvals/Certifications

CE, cURus, cULus Listed to UL508 and CSA C22.2 No. 107.1

CE, cURus, cULus Listed to UL508 and CSA C22.2 No. 107.1

Connection Data

Type of connection	Screw connection
Number of terminals	3 for L/N/PE
Conductor cross-section, rigid min/max	mm ² 0.5 / 6
Conductor cross-section, flexible min/max	mm ² 0.5 / 2.5
Conductor cross-section, AWG/kcmil min/max	26 / 12

Input	Output
Screw connection	Screw Connection
3 for L/N/PE	5 (+/-/-)
0.5 / 6	0.5 / 6
0.5 / 2.5	0.5 / 2.5
26 / 12	26 / 12

Input	Output
Screw connection	Screw Connection
3 for L/N/PE	5 (+/-/-)
0.5 / 6	0.5 / 6
0.5 / 2.5	0.5 / 2.5
26 / 12	26 / 12

Accessories

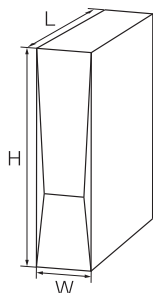
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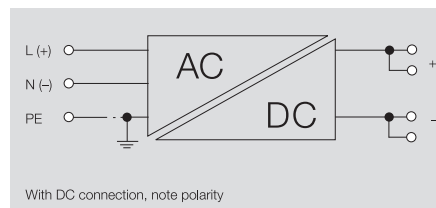
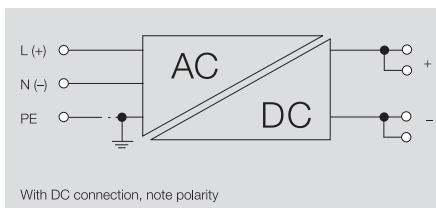
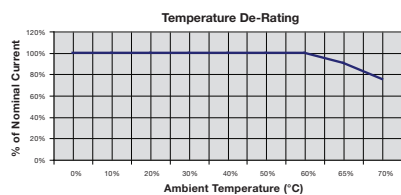
PRO-M – Single Phase Input Supplies

CP M SNT 500W 24V 20A

CP M SNT 1000W 24V 40A



Derating Curve



Ordering Data

Type	Part No.
CP M SNT 500W 24V 20A	8951370000

Type	Part No.
CP M SNT 1000W 24V 40A	8951380000

Technical Data

Input Specifications

Rated input voltage	100...240 V AC wide-range input)
AC input voltage range	85...264 V AC
AC frequency range	47...63 Hz
DC input voltage range	80...370 V DC
AC current consumption	2.5 A @ 230 V AC / 4.9 A @ 115 V AC
DC current consumption	1.6 A @ 370 V DC / 6.8 A @ 80 V DC
Input fuse (internal)/Inrush current	yes
Circuit Protection	10 A / DI, safety fuse 20 A, Char. B, Circuit breaker 10...12 A, Char. C, Circuit breaker

100...240 V AC wide-range input)
85...264 V AC
47...63 Hz
80...370 V DC
2.5 A @ 230 V AC / 4.9 A @ 115 V AC
1.6 A @ 370 V DC / 6.8 A @ 80 V DC
yes
10 A / DI, safety fuse 20 A, Char. B, Circuit breaker 10...12 A, Char. C, Circuit breaker

100...240 V AC (wide-range input)
85...264 V AC
47...63 Hz
80...370 V DC
4.9 A @ 230 V AC / 9.6 A @ 115 V AC
3.0 A @ 370 V DC / 13.5 A @ 80 V DC
yes
16 A / DI, safety fuse 25 A, Char. B, Circuit breaker 14...16 A, Char. C, Circuit breaker

Output Specifications

Rated output voltage	24 V DC ± 1 %
Output voltage	22.5...29.5 V DC (adjustable via potentiometer on front)
Residual ripple, switching peaks	100 mV _{SS} @ 24 V DC, I _N
Rated output current @ V _{rated}	20 A @ 60 °C
Continuous output current @ 24 V DC	24 A @ 45 °C 22 A @ 55 °C 15 A @ 70 °C
Power boost @ 24 V DC, 60 °C	24 A for 1 min, ED=5 %

24 V DC ± 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 ± 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	> 90 % @ 230 V AC / > 85 % @ 115 V AC
Power factor (approx.)	> 0.98 @ 230 V AC / > 0.98 @ 115 V AC
Mains buffering @ I _{rated}	> 40 ms @ 230 V AC / > 20 ms @ 100 V AC
Parallel connection option	yes
Length x Width x Height	mm 150 x 121 x 130
Weight	1.5 kg

> 90 % @ 230 V AC / > 85 % @ 115 V AC
> 0.98 @ 230 V AC / > 0.98 @ 115 V AC
> 40 ms @ 230 V AC / > 20 ms @ 100 V AC
yes
150 x 121 x 130
1.5 kg

> 90 % @ 230 V AC / > 85 % @ 115 V AC
> 0.98 @ 230 V AC / > 0.98 @ 115 V AC
> 40 ms @ 230 V AC / > 20 ms @ 100 V AC
yes
150 x 180 x 130
1.5 kg

Approvals/Certifications

CE, cURus, cULus Listed to UL508 and CSA C22.2 No. 107.1

CE, cURus, cULus Listed to UL508 and CSA C22.2 No. 107.1

Connection Data

Type of connection	Screw connection
Number of terminals	3 for L/N/PE
Conductor cross-section, rigid min/max	mm ² 0.5 / 6
Conductor cross-section, flexible min/max	mm ² 0.5 / 2.5
Conductor cross-section, AWG/kcmil min/max	26 / 10

Input	Output
Screw connection	Screw Connection
3 for L/N/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
3 for L/N/PE	5 (++)
0.5 / 6	0.5 / 16
0.5 / 2.5	2.5 / 10
26 / 10	26 / 6

Accessories

* 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!