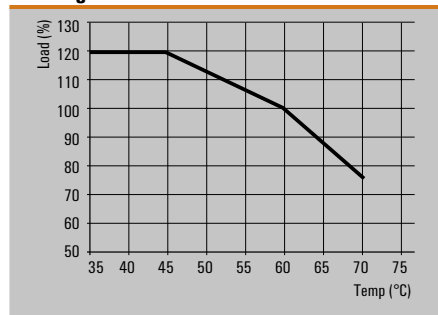


connectPower  
PROmax



Derating curve



Max. limiting average on state current [A]

Typ\Temp.	45 °C	50 °C	55 °C	60 °C	65 °C	70 °C
1ph 24 V / 3 A	3,6	3,3	3,2	3	2,6	2,2
1ph 24 V / 5 A	6	5,7	5,4	5	4,4	3,8
1ph 24 V / 7,5 A	9	8,5	8	7,5	6,6	5,6
1ph 24 V / 10 A	12	11,3	10,7	10	8,8	7,5
1ph 24 V / 20 A	24	22,6	21,4	20	17,6	15
1ph 24 V / 40 A	48	45,2	42,8	40	35,2	30
1ph 5 V / 14 A	16,8	15,8	15	14	12,3	10,5
1ph 12 V / 6 A	7,2	6,8	6,4	6	5,3	4,5
1ph 12 V / 10 A	12	11,3	10,7	10	8,8	7,5
1ph 48 V / 5 A	6	5,7	5,4	5	4,4	3,8
1ph 48 V / 10 A	12	11,3	10,7	10	8,8	7,5
1ph 48 V / 20 A	24	22,6	21,4	20	17,6	15
3ph 24 V / 5 A	6	5,7	5,4	5	4,4	3,8
3ph 24 V / 10 A	12	11,3	10,7	10	8,8	7,5
3ph 24 V / 20 A	24	22,6	21,4	20	17,6	15
3ph 24 V / 40 A	48	45,2	42,8	40	35,2	30

Technical data

General technical data	
Current limiting	> 120 % I <sub>N</sub>
Insulation voltage input earth	3.5 kV
Insulation voltage output earth	0.5 kV
Insulation voltage input/output	4 kV
Earth leakage current	3.5 mA
Series switching capability	Yes
Ambient temp. operating / storage temperature / Start up	-25 °C...+70 °C / -40 °C...+85 °C / ≥ -40 °C
Humidity at operating temperature	5...95 %, no condensation
Class of protection / Pollution degree	I / 2
MTBF	>500,000h (25°C, IEC 61709)
Housing version	Metal, corrosion resistant
Status indication	LED red/green and relay (≥21.6 V DC LED green, relay on/ ≤20.6 LED red, relay off)
Mounting position, installation notice	Horizontal on TS35 mounting rail, with 50 mm of clearance at top and bottom for air circulation. Can be mounted side by side with no space in between.
EMC / shock / vibration	
Noise immunity tests acc. to	EN55024; EN55022; IEC61000-3-2,3; IEC61000-4-2,-3,-4,-5,-6,-8,-11
Resistance against vibration and shock	2.3 g / 30 g in all directions
Electrical safety (applied standards)	
Electrical equipment of machines	Acc. to EN60204
Safety transformers for switched-mode power units	Acc. to EN61558-2-16
Machinery with electronic equipment	Acc. to EN50178 / VDE0160
Safety extra-low voltage	SELV acc. to EN60950, PELV acc. to EN60204, IEC61204
Protective separation / protection against electrical shock	VDE0100-410 / acc. to DIN57100-410
Protection against dangerous shock currents	Acc. to VDE0106-101

Technical data

Machinery

Process

Energy

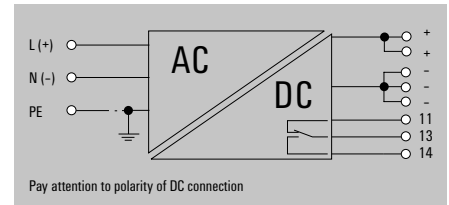
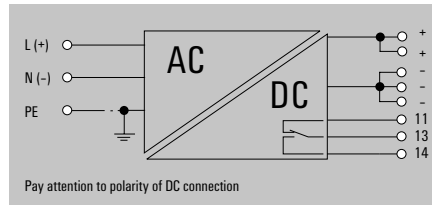
Transportation

Device  
Manufacturers

connectPower PROmax

PRO MAX 72W 24V 3A

PRO MAX 120W 24V 5A



Technical data

Input
Rated input voltage
Input voltage range AC
Frequency range AC
DC input voltage range
AC current consumption
DC current consumption
Input fuse (internal) / Inrush current
Recommended back-up fuse

Output
Rated output voltage
Output voltage
Residual ripple, breaking spikes
Rated (nominal) output current @ U <sub>Nom</sub>
Continuous output current @ U <sub>Rated</sub>
Power boost @ U <sub>Rated</sub>
Pulsed current capacity @ U <sub>Rated</sub>

General data
Degree of efficiency
Power factor (approx.)
AC failure bridging time @ I <sub>Nom</sub>
Protection against reverse voltages from the load
Parallel connection option
Depth x width x height
Weight

Approvals
Approvals

Connection data	
Connection system	
Number of terminals	
Wire cross-section, rigid min/max	mm <sup>2</sup>
Wire cross-section, flexible min/max	mm <sup>2</sup>
Wire cross-section, AWG/kcmil min/max	
Screwdriver blade	

Note

Ordering data

Type	Qty.	Order No.
PRO MAX 72W 24V 3A	1	1478100000

Note

Accessories

Note

100...240 V AC (wide-range input)
85...277 V AC
45...65 Hz
80...370 V DC
1 A @ 230 V AC / 1.5 A @ 115 V AC
1A @ 370 VDC / 1,5A @ 120 VDC
Yes / max. 15 A
6 A, Char. B, circuit breaker, 3 - 5 A Char. C, circuit breaker

24 V DC ± 1 %
22.5...29.5 V (adjustable via potentiometer)
< 50 mVss @ U <sub>Nom</sub> , Full Load
3 A @ 60 °C
3,6 A @ 45°C, 2,25 A @ 70°C
3,6 A (1 min), 4,5 A (4s)
9 A (2ms)

89%
> 0.90 @ 230 V AC
min. 20 ms
30...35 V DC
yes, max. 5
125 / 32 / 130 mm
0.6 kg

CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM
---

Input	Output
Screw connection	Screw connection
3 for L/N/PE	8 (++,-,11,13,14)
0.18 / 6	0.5 / 6
0.22 / 4	0.5 / 4
26 / 10	26 / 12
0.8 x 4.0, PZ 1	0.6 x 3.5

Type	Qty.	Order No.
PRO MAX 72W 24V 3A	1	1478100000

The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

100...240 V AC (wide-range input)
85...277 V AC
45...65 Hz
80...370 V DC
1A @ 230 VAC / 2,5A @ 115 VAC
1,5A @ 370 VDC / 2,5A @ 120 VDC
Yes / max. 15 A
6 A, Char. B, circuit breaker, 6 A, char. C circuit breaker

24 V DC ± 1 %
22.5...29.5 V (adjustable via potentiometer)
< 50 mVss @ U <sub>Nom</sub> , Full Load
5 A @ 60 °C
6.0 A @ 45 °C, 3,75 A @ 70 °C
6 A (1 min), 7.5 A (4s)
15 A (2ms)

89%
> 0.90 @ 230 V AC
min. 20 ms
30...35 V DC
yes, max. 5
125 / 40 / 130 mm
0.8 kg

CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM
---

Input	Output
Screw connection	Screw connection
3 for L/N/PE	8 (++,-,11,13,14)
0.18 / 6	0.5 / 6
0.22 / 4	0.5 / 4
26 / 10	26 / 12
0.8 x 4.0, PZ 1	0.6 x 3.5

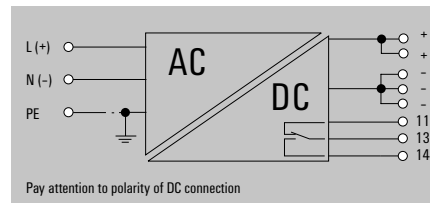
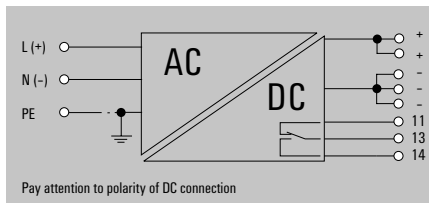
Type	Qty.	Order No.
PRO MAX 120W 24V 5A	1	1478110000

The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

connectPower PROmax

PRO MAX 180W 24V 7,5A

PRO MAX 240W 24V 10A



Technical data

Input	
Rated input voltage	100...240 V AC (wide-range input)
Input voltage range AC	85...277 V AC
Frequency range AC	45...65 Hz
DC input voltage range	80...370 V DC
AC current consumption	1 A @ 230 V AC / 2 A @ 115 V AC
DC current consumption	1 A @ 370 VDC / 2 A @ 120 VDC
Input fuse (internal) / Inrush current	Yes / max. 15 A
Recommended back-up fuse	10 A, char. B circuit breaker, 6...8 A, char. C circuit breaker

Rated input voltage	100...240 V AC (wide-range input)
Input voltage range AC	85...277 V AC
Frequency range AC	45...65 Hz
DC input voltage range	80...370 V DC
AC current consumption	1 A @ 230 V AC / 2 A @ 115 V AC
DC current consumption	1 A @ 370 VDC / 2 A @ 120 VDC
Input fuse (internal) / Inrush current	Yes / max. 15 A
Recommended back-up fuse	10 A, char. B circuit breaker, 6...8 A, char. C circuit breaker

Rated input voltage	100...240 V AC (wide-range input)
Input voltage range AC	85...277 V AC
Frequency range AC	45...65 Hz
DC input voltage range	80...370 V DC
AC current consumption	1.5 A @ 230 V AC / 3 A @ 115 V AC
DC current consumption	1.5 A @ 370 VDC / 3 A @ 120 VDC
Input fuse (internal) / Inrush current	Yes / max. 15 A
Recommended back-up fuse	10 A, char. B circuit breaker, 6...8 A, char. C circuit breaker

Output	
Rated output voltage	24 V DC ± 1 %
Output voltage	22.5...29.5 V (adjustable via potentiometer)
Residual ripple, breaking spikes	< 50 mVss @ U <sub>Nom</sub> , Full Load
Rated (nominal) output current @ U <sub>Nom</sub>	7.5 A @ 60 °C
Continuous output current @ U <sub>Rated</sub>	9 A @ 45°C, 5,6 A @ 70°C
Power boost @ U <sub>Rated</sub>	9 A (1 min), 11.25 A (4s)
Pulsed current capacity @ U <sub>Rated</sub>	22,5 A (2ms)

Rated output voltage	24 V DC ± 1 %
Output voltage	22.5...29.5 V (adjustable via potentiometer)
Residual ripple, breaking spikes	< 50 mVss @ U <sub>Nom</sub> , Full Load
Rated (nominal) output current @ U <sub>Nom</sub>	7.5 A @ 60 °C
Continuous output current @ U <sub>Rated</sub>	9 A @ 45°C, 5,6 A @ 70°C
Power boost @ U <sub>Rated</sub>	9 A (1 min), 11.25 A (4s)
Pulsed current capacity @ U <sub>Rated</sub>	22,5 A (2ms)

Rated output voltage	24 V DC ± 1 %
Output voltage	22.5...29.5 V (adjustable via potentiometer)
Residual ripple, breaking spikes	< 50 mVss @ U <sub>Nom</sub> , Full Load
Rated (nominal) output current @ U <sub>Nom</sub>	10 A @ 60 °C
Continuous output current @ U <sub>Rated</sub>	12 A @ 45°C, 7,5 A @ 70°C
Power boost @ U <sub>Rated</sub>	12 A (1 min), 15 A (4s)
Pulsed current capacity @ U <sub>Rated</sub>	30 A (2ms)

General data	
Degree of efficiency	91.5%
Power factor (approx.)	> 0.95 @ 230 V AC
AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
Protection against reverse voltages from the load	30...35 V DC
Parallel connection option	yes, max. 5
Depth x width x height	125 / 50 / 130 mm
Weight	0.9 kg

Degree of efficiency	91.5%
Power factor (approx.)	> 0.95 @ 230 V AC
AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
Protection against reverse voltages from the load	30...35 V DC
Parallel connection option	yes, max. 5
Depth x width x height	125 / 50 / 130 mm
Weight	0.9 kg

Degree of efficiency	91.5%
Power factor (approx.)	> 0.95 @ 230 V AC
AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
Protection against reverse voltages from the load	30...35 V DC
Parallel connection option	yes, max. 5
Depth x width x height	125 / 60 / 130 mm
Weight	1 kg

Approvals	
Approvals	CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM

Approvals	CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM
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Approvals	CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM
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Connection data	
Connection system	Screw connection
Number of terminals	3 for L/N/PE
Wire cross-section, rigid min/max	0.18 / 6 mm <sup>2</sup>
Wire cross-section, flexible min/max	0.22 / 4 mm <sup>2</sup>
Wire cross-section, AWG/kcmil min/max	26 / 10
Screwdriver blade	0.8 x 4.0, PZ 1
Note	

Input	Output
Screw connection	Screw connection
3 for L/N/PE	8 (++,-,11,13,14)
0.18 / 6	0.5 / 6
0.22 / 4	0.5 / 4
26 / 10	26 / 12
0.8 x 4.0, PZ 1	0.6 x 3.5

Input	Output
Screw connection	Screw connection
3 for L/N/PE	8 (++,-,11,13,14)
0.18 / 6	0.18 / 6
0.22 / 4	0.22 / 4
26 / 10	26 / 10
0.8 x 4.0, PZ 1	0.8 x 4.0, PZ 1

Ordering data

Type	Qty.	Order No.
PRO MAX 180W 24V 7,5A	1	1478120000

Type	Qty.	Order No.
PRO MAX 180W 24V 7,5A	1	1478120000

Type	Qty.	Order No.
PRO MAX 240W 24V 10A	1	1478130000

Note
The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.
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The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.
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Accessories

Note

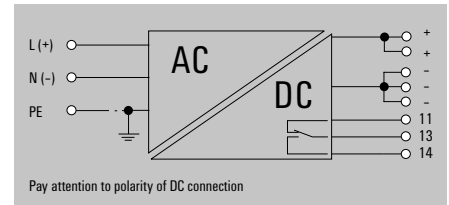
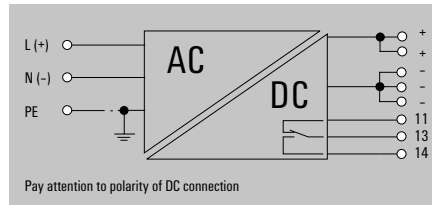
Note

Note

connectPower PROmax

PRO MAX 480W 24V 20A

PRO MAX 960W 24V 40A



Technical data

Input	
Rated input voltage	100...240 V AC (wide-range input)
Input voltage range AC	85...277 V AC
Frequency range AC	45...65 Hz
DC input voltage range	80...370 V DC
AC current consumption	2,3A @ 230 VAC / 4,8A @ 115 VAC
DC current consumption	1,5A @ 370 VDC / 4,8A @ 120 VDC
Input fuse (internal) / Inrush current	Yes / max. 15 A
Recommended back-up fuse	16 A, Char. B circuit breaker, 10 A, char. C circuit breaker
Output	
Rated output voltage	24 V DC ± 1 %
Output voltage	22.5...29.5 V (adjustable via potentiometer)
Residual ripple, breaking spikes	< 50 mVss @ U <sub>Nom</sub> , Full Load
Rated (nominal) output current @ U <sub>Nom</sub>	20 A @ 60 °C
Continuous output current @ U <sub>Rated</sub>	24 A @ 45°C, 15 A @ 70°C
Power boost @ U <sub>Rated</sub>	24 A (1 min), 30 A (4s), 100...240 V AC
Pulsed current capacity @ U <sub>Rated</sub>	60 A (2ms)
General data	
Degree of efficiency	92 %
Power factor (approx.)	> 0.95 @ 230 V AC
AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
Protection against reverse voltages from the load	30...35 V DC
Parallel connection option	yes, max. 3
Depth x width x height	150 / 90 / 130 mm
Weight	1.95 kg
Approvals	
Approvals	CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM

Input		Output	
Rated input voltage	100...240 V AC (wide-range input)	Rated output voltage	24 V DC ± 1 %
Input voltage range AC	85...277 V AC	Output voltage	22.5...29.5 V (adjustable via potentiometer)
Frequency range AC	45...65 Hz	Residual ripple, breaking spikes	< 50 mVss @ U <sub>Nom</sub> , Full Load
DC input voltage range	80...370 V DC	Rated (nominal) output current @ U <sub>Nom</sub>	20 A @ 60 °C
AC current consumption	2,3A @ 230 VAC / 4,8A @ 115 VAC	Continuous output current @ U <sub>Rated</sub>	24 A @ 45°C, 15 A @ 70°C
DC current consumption	1,5A @ 370 VDC / 4,8A @ 120 VDC	Power boost @ U <sub>Rated</sub>	24 A (1 min), 30 A (4s), 100...240 V AC
Input fuse (internal) / Inrush current	Yes / max. 15 A	Pulsed current capacity @ U <sub>Rated</sub>	60 A (2ms)
Recommended back-up fuse	16 A, Char. B circuit breaker, 10 A, char. C circuit breaker	Degree of efficiency	92 %
		Power factor (approx.)	> 0.95 @ 230 V AC
		AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
		Protection against reverse voltages from the load	30...35 V DC
		Parallel connection option	yes, max. 3
		Depth x width x height	150 / 90 / 130 mm
		Weight	1.95 kg
		Approvals	CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM

Input		Output	
Rated input voltage	100...240 V AC (wide-range input)	Rated output voltage	24 V DC ± 1 %
Input voltage range AC	85...277 V AC	Output voltage	22.5...29.5 V (adjustable via potentiometer)
Frequency range AC	45...65 Hz	Residual ripple, breaking spikes	< 50 mVss @ U <sub>Nom</sub> , Full Load
DC input voltage range	80...370 V DC	Rated (nominal) output current @ U <sub>Nom</sub>	40 A @ 60 °C
AC current consumption	4,52A @ 230 VAC / 10A @ 115 VAC	Continuous output current @ U <sub>Rated</sub>	48 A @ 45°C, 30 A @ 70°C
DC current consumption	2,8A @ 370 VDC / 10A @ 120 VDC	Power boost @ U <sub>Rated</sub>	48 A (1 min), 60 A (4s), 100...240 V AC
Input fuse (internal) / Inrush current	Yes / max. 15 A	Pulsed current capacity @ U <sub>Rated</sub>	120 A (2ms)
Recommended back-up fuse	20 A, char. B circuit breaker, 16 A, Char. C circuit breaker	Degree of efficiency	93%
		Power factor (approx.)	> 0.95 @ 230 V AC
		AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
		Protection against reverse voltages from the load	30...35 V DC
		Parallel connection option	yes, max. 3
		Depth x width x height	150 / 140 / 130 mm
		Weight	3.4 kg
		Approvals	CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM

Connection data	
Connection system	Screw connection
Number of terminals	3 for L/N/PE
Wire cross-section, rigid min/max	0.18 / 6 mm <sup>2</sup>
Wire cross-section, flexible min/max	0.22 / 4 mm <sup>2</sup>
Wire cross-section, AWG/kcmil min/max	26 / 10
Screwdriver blade	0.8 x 4.0, PZ 1
Note	

Input		Output	
Connection system	Screw connection	Connection system	Screw connection
Number of terminals	3 for L/N/PE	Number of terminals	8 (++,--,11,13,14)
Wire cross-section, rigid min/max	0.18 / 6 mm <sup>2</sup>	Wire cross-section, rigid min/max	0.18 / 6 mm <sup>2</sup>
Wire cross-section, flexible min/max	0.22 / 4 mm <sup>2</sup>	Wire cross-section, flexible min/max	0.22 / 4 mm <sup>2</sup>
Wire cross-section, AWG/kcmil min/max	26 / 10	Wire cross-section, AWG/kcmil min/max	26 / 10
Screwdriver blade	0.8 x 4.0, PZ 1	Screwdriver blade	0.8 x 4.0, PZ 1
Note		Note	

Input		Output	
Connection system	Screw connection	Connection system	Screw connection
Number of terminals	3 for L/N/PE	Number of terminals	8 (++,--,11,13,14)
Wire cross-section, rigid min/max	0.18 / 6 mm <sup>2</sup>	Wire cross-section, rigid min/max	0.5 / 16 mm <sup>2</sup>
Wire cross-section, flexible min/max	0.22 / 4 mm <sup>2</sup>	Wire cross-section, flexible min/max	0.5 / 16 mm <sup>2</sup>
Wire cross-section, AWG/kcmil min/max	26 / 10	Wire cross-section, AWG/kcmil min/max	22 / 8
Screwdriver blade	0.8 x 4.0, PZ 1	Screwdriver blade	1.0 x 5.5
Note		Note	

Ordering data

Type	Qty.	Order No.
PRO MAX 480W 24V 20A	1	1478140000

Type	Qty.	Order No.
PRO MAX 480W 24V 20A	1	1478140000

Type	Qty.	Order No.
PRO MAX 960W 24V 40A	1	1478150000

Note: The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

Accessories

Note

Note

Note

Technical data  
Machinery  
Process  
Energy  
Transportation  
Device Manufacturers

Technical data

Machinery

Process

Energy

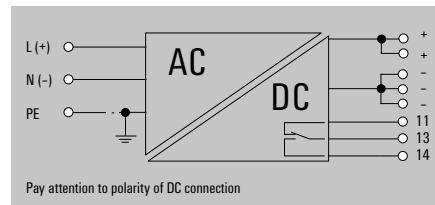
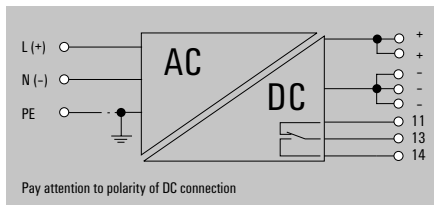
Transportation

Device Manufacturers

connectPower PROmax

PRO MAX 70W 5V 14A

PRO MAX 72W 12V 6A



Technical data

Input	
Rated input voltage	100...240 V AC (wide-range input)
Input voltage range AC	85...277 V AC
Frequency range AC	45...65 Hz
DC input voltage range	80...370 V DC
AC current consumption	1 A @ 230 V AC / 1.5 A @ 115 V AC
DC current consumption	1A @ 370 VDC / 1,5A @ 120 VDC
Input fuse (internal) / Inrush current	Yes / max. 15 A
Recommended back-up fuse	6 A, Char. B, circuit breaker, 3 - 5 A Char. C, circuit breaker

Output	
Rated output voltage	5 V DC
Output voltage	4.5...7 V (adjustable via potentiometer)
Residual ripple, breaking spikes	< 50 mVss @ U <sub>Nom</sub> , Full Load
Rated (nominal) output current @ U <sub>Nom</sub>	14 A @ 60°C
Continuous output current @ U <sub>Rated</sub>	16,8 A @ 45°C, 10,5 A @ 70°C
Power boost @ U <sub>Rated</sub>	16,8 A (1 min), 21 A (4s)
Pulsed current capacity @ U <sub>Rated</sub>	42 A (2ms)

General data	
Degree of efficiency	86%
Power factor (approx.)	> 0.90 @ 230 V AC
AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
Protection against reverse voltages from the load	> 7.5 V DC
Parallel connection option	yes, max. 5
Depth x width x height	125 / 32 / 130 mm
Weight	0.6 kg

Approvals	
Approvals	CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM

Connection data	
Connection system	Screw connection
Number of terminals	3 for L/N/PE
Wire cross-section, rigid min/max	0.18 / 6 mm <sup>2</sup>
Wire cross-section, flexible min/max	0.22 / 4 mm <sup>2</sup>
Wire cross-section, AWG/kcmil min/max	26 / 10
Screwdriver blade	0.8 x 4.0, PZ 1
<b>Note</b>	

Ordering data

Type	Qty.	Order No.
PRO MAX 70W 5V 14A	1	1478210000

Note	
The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.	

Accessories

Note	

Input	
Rated input voltage	100...240 V AC (wide-range input)
Input voltage range AC	85...277 V AC
Frequency range AC	45...65 Hz
DC input voltage range	80...370 V DC
AC current consumption	1 A @ 230 V AC / 1.5 A @ 115 V AC
DC current consumption	1A @ 370 VDC / 1,5A @ 120 VDC
Input fuse (internal) / Inrush current	Yes / max. 15 A
Recommended back-up fuse	6 A, Char. B, circuit breaker, 3 - 5 A Char. C, circuit breaker

Output	
Rated output voltage	5 V DC
Output voltage	4.5...7 V (adjustable via potentiometer)
Residual ripple, breaking spikes	< 50 mVss @ U <sub>Nom</sub> , Full Load
Rated (nominal) output current @ U <sub>Nom</sub>	14 A @ 60°C
Continuous output current @ U <sub>Rated</sub>	16,8 A @ 45°C, 10,5 A @ 70°C
Power boost @ U <sub>Rated</sub>	16,8 A (1 min), 21 A (4s)
Pulsed current capacity @ U <sub>Rated</sub>	42 A (2ms)

General data	
Degree of efficiency	86%
Power factor (approx.)	> 0.90 @ 230 V AC
AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
Protection against reverse voltages from the load	> 7.5 V DC
Parallel connection option	yes, max. 5
Depth x width x height	125 / 32 / 130 mm
Weight	0.6 kg

Approvals	
Approvals	CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM

Connection data	
Connection system	Screw connection
Number of terminals	3 for L/N/PE
Wire cross-section, rigid min/max	0.18 / 6 mm <sup>2</sup>
Wire cross-section, flexible min/max	0.22 / 4 mm <sup>2</sup>
Wire cross-section, AWG/kcmil min/max	26 / 10
Screwdriver blade	0.8 x 4.0, PZ 1
<b>Note</b>	

Type	Qty.	Order No.
PRO MAX 70W 5V 14A	1	1478210000

Note	
The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.	

Note	

Input	
Rated input voltage	100...240 V AC (wide-range input)
Input voltage range AC	85...277 V AC
Frequency range AC	45...65 Hz
DC input voltage range	80...370 V DC
AC current consumption	1 A @ 230 V AC / 1.5 A @ 115 V AC
DC current consumption	1A @ 370 VDC / 1,5A @ 120 VDC
Input fuse (internal) / Inrush current	Yes / max. 15 A
Recommended back-up fuse	6 A, Char. B, circuit breaker, 3 - 5 A Char. C, circuit breaker

Output	
Rated output voltage	12 V DC ± 1%
Output voltage	10...15 V (adjustable via potentiometer)
Residual ripple, breaking spikes	< 50 mVss @ U <sub>Nom</sub> , Full Load
Rated (nominal) output current @ U <sub>Nom</sub>	6 A @ 60°C
Continuous output current @ U <sub>Rated</sub>	7.2 A @ 45°C, 4.5 A @ 70°C
Power boost @ U <sub>Rated</sub>	7.2 A (1 min), 9 A (4s)
Pulsed current capacity @ U <sub>Rated</sub>	18 A (2ms)

General data	
Degree of efficiency	89%
Power factor (approx.)	> 0.90 @ 230 V AC
AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
Protection against reverse voltages from the load	> 18 V DC
Parallel connection option	yes, max. 5
Depth x width x height	125 / 32 / 130 mm
Weight	0.6 kg

Approvals	
Approvals	CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM

Connection data	
Connection system	Screw connection
Number of terminals	3 for L/N/PE
Wire cross-section, rigid min/max	0.18 / 6 mm <sup>2</sup>
Wire cross-section, flexible min/max	0.22 / 4 mm <sup>2</sup>
Wire cross-section, AWG/kcmil min/max	26 / 10
Screwdriver blade	0.8 x 4.0, PZ 1
<b>Note</b>	

Type	Qty.	Order No.
PRO MAX 72W 12V 6A	1	1478220000

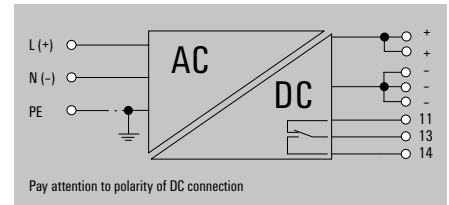
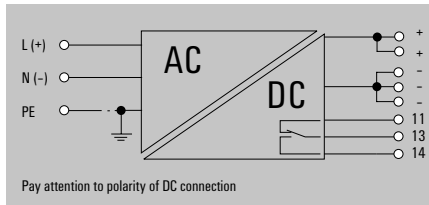
Note	
The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.	

Note	

connectPower PROmax

PRO MAX 120W 12V 10A

PRO MAX 240W 48V 5A



Technical data

Input	
Rated input voltage	100...240 V AC (wide-range input)
Input voltage range AC	85...277 V AC
Frequency range AC	45...65 Hz
DC input voltage range	80...370 V DC
AC current consumption	1A @ 230 VAC / 2,5A @ 115 VAC
DC current consumption	1,5A @ 370 VDC / 2,5A @ 120 VDC
Input fuse (internal) / Inrush current	Yes / max. 15 A
Recommended back-up fuse	6 A, Char. B, circuit breaker, 6 A, char. C circuit breaker

Output	
Rated output voltage	12 V DC ± 1 %
Output voltage	10...15 V (adjustable via potentiometer)
Residual ripple, breaking spikes	< 50 mVss @ U <sub>Nom</sub> , Full Load
Rated (nominal) output current @ U <sub>Nom</sub>	10 A @ 60 °C
Continuous output current @ U <sub>Rated</sub>	12 A @ 45°C, 7,5 A @ 70°C
Power boost @ U <sub>Rated</sub>	12 A (1 min), 15 A (4s)
Pulsed current capacity @ U <sub>Rated</sub>	30 A (2ms)

General data	
Degree of efficiency	89%
Power factor (approx.)	> 0.90 @ 230 V AC
AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
Protection against reverse voltages from the load	> 18 V DC
Parallel connection option	yes, max. 5
Depth x width x height	125 / 40 / 130 mm
Weight	0.8 kg

Approvals	
Approvals	CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM

Connection data	
Connection system	Screw connection
Number of terminals	3 for L/N/PE
Wire cross-section, rigid min/max	0.18 / 6 mm <sup>2</sup>
Wire cross-section, flexible min/max	0.22 / 4 mm <sup>2</sup>
Wire cross-section, AWG/kcmil min/max	26 / 10
Screwdriver blade	0.8 x 4.0, PZ 1

Ordering data

Type	Qty.	Order No.
PRO MAX 120W 12V 10A	1	1478230000

Note
The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

Accessories

Note

Input	
Rated input voltage	100...240 V AC (wide-range input)
Input voltage range AC	85...277 V AC
Frequency range AC	45...65 Hz
DC input voltage range	80...370 V DC
AC current consumption	1A @ 230 VAC / 2,5A @ 115 VAC
DC current consumption	1,5A @ 370 VDC / 2,5A @ 120 VDC
Input fuse (internal) / Inrush current	Yes / max. 15 A
Recommended back-up fuse	6 A, Char. B, circuit breaker, 6 A, char. C circuit breaker

Output	
Rated output voltage	48 V DC ± 1 %
Output voltage	30...56 V (adjustable via potentiometer)
Residual ripple, breaking spikes	< 50 mVss @ U <sub>Nom</sub> , Full Load
Rated (nominal) output current @ U <sub>Nom</sub>	5 A @ 60 °C
Continuous output current @ U <sub>Rated</sub>	6.0 A @ 45 °C, 3,75 A @ 70 °C
Power boost @ U <sub>Rated</sub>	5 A (1 min), 7,5 A (4s)
Pulsed current capacity @ U <sub>Rated</sub>	15 A (2ms)

General data	
Degree of efficiency	92.5%
Power factor (approx.)	> 0.95 @ 230 V AC
AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
Protection against reverse voltages from the load	58 ... 65 V DC
Parallel connection option	yes, max. 5
Depth x width x height	125 / 60 / 130 mm
Weight	1 kg

Approvals	
Approvals	CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM

Connection data	
Connection system	Screw connection
Number of terminals	8 (++,--,11,13,14)
Wire cross-section, rigid min/max	0.18 / 6 mm <sup>2</sup>
Wire cross-section, flexible min/max	0.22 / 4 mm <sup>2</sup>
Wire cross-section, AWG/kcmil min/max	26 / 10
Screwdriver blade	0.6 x 3.5

Type	Qty.	Order No.
PRO MAX 240W 48V 5A	1	1478240000

Note
The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

Input	
Rated input voltage	100...240 V AC (wide-range input)
Input voltage range AC	85...277 V AC
Frequency range AC	45...65 Hz
DC input voltage range	80...370 V DC
AC current consumption	1.5 A @ 230 V AC / 3 A @ 115 V AC
DC current consumption	1,5A @ 370 VDC / 3A @ 120 VDC
Input fuse (internal) / Inrush current	Yes / max. 15 A
Recommended back-up fuse	10 A, char. B circuit breaker, 6...8 A, char. C circuit breaker

Output	
Rated output voltage	48 V DC ± 1 %
Output voltage	30...56 V (adjustable via potentiometer)
Residual ripple, breaking spikes	< 50 mVss @ U <sub>Nom</sub> , Full Load
Rated (nominal) output current @ U <sub>Nom</sub>	5 A @ 60 °C
Continuous output current @ U <sub>Rated</sub>	6.0 A @ 45 °C, 3,75 A @ 70 °C
Power boost @ U <sub>Rated</sub>	5 A (1 min), 7,5 A (4s)
Pulsed current capacity @ U <sub>Rated</sub>	15 A (2ms)

General data	
Degree of efficiency	92.5%
Power factor (approx.)	> 0.95 @ 230 V AC
AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
Protection against reverse voltages from the load	58 ... 65 V DC
Parallel connection option	yes, max. 5
Depth x width x height	125 / 60 / 130 mm
Weight	1 kg

Approvals	
Approvals	CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM

Connection data	
Connection system	Screw connection
Number of terminals	8 (++,--,11,13,14)
Wire cross-section, rigid min/max	0.18 / 6 mm <sup>2</sup>
Wire cross-section, flexible min/max	0.22 / 4 mm <sup>2</sup>
Wire cross-section, AWG/kcmil min/max	26 / 10
Screwdriver blade	0.8 x 4.0, PZ 1

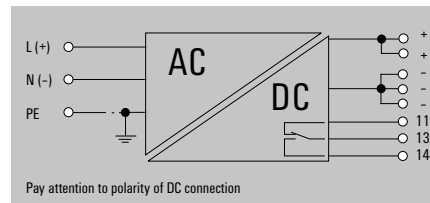
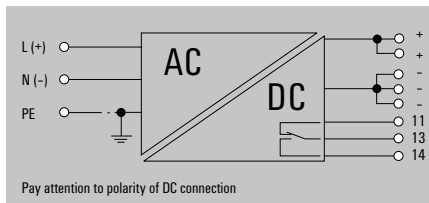
Type	Qty.	Order No.
PRO MAX 240W 48V 5A	1	1478240000

Note
The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

connectPower PROmax

PRO MAX 480W 48V 10A

PRO MAX 960W 48V 20A



Technical data

Input	
Rated input voltage	100...240 V AC (wide-range input)
Input voltage range AC	85...277 V AC
Frequency range AC	45...65 Hz
DC input voltage range	80...370 V DC
AC current consumption	2,3A @ 230 VAC / 4,8A @ 115 VAC
DC current consumption	1,5A @ 370 VDC / 4,8A @ 120 VDC
Input fuse (internal) / Inrush current	Yes / max. 15 A
Recommended back-up fuse	16 A, Char. B circuit breaker, 10 A, char. C circuit breaker

Rated output voltage	48 V DC ± 1 %
Output voltage	30...56 V (adjustable via potentiometer)
Residual ripple, breaking spikes	< 50 mVss @ U <sub>Nom</sub> , Full Load
Rated (nominal) output current @ U <sub>Nom</sub>	10 A @ 60 °C
Continuous output current @ U <sub>Rated</sub>	12 A @ 45°C, 7,5 A @ 70°C
Power boost @ U <sub>Rated</sub>	12 A (1 min), 15 A (4s), 100...240 V AC
Pulsed current capacity @ U <sub>Rated</sub>	60 A (2ms)

Rated output voltage	48 V DC ± 1 %
Output voltage	30...56 V (adjustable via potentiometer)
Residual ripple, breaking spikes	< 50 mVss @ U <sub>Nom</sub> , Full Load
Rated (nominal) output current @ U <sub>Nom</sub>	20 A @ 60 °C
Continuous output current @ U <sub>Rated</sub>	24 A @ 45°C, 15 A @ 70°C
Power boost @ U <sub>Rated</sub>	24 A (1 min), 30 A (4s), 100...240 V AC
Pulsed current capacity @ U <sub>Rated</sub>	60 A (2ms)

General data	
Degree of efficiency	93%
Power factor (approx.)	> 0.95 @ 230 V AC
AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
Protection against reverse voltages from the load	58 ... 65 V DC
Parallel connection option	yes, max. 5
Depth x width x height	150 / 90 / 130 mm
Weight	1.95 kg

Degree of efficiency	94%
Power factor (approx.)	> 0.95 @ 230 V AC
AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
Protection against reverse voltages from the load	58 ... 65 V DC
Parallel connection option	yes, max. 5
Depth x width x height	150 / 140 / 130 mm
Weight	3.4 kg

Degree of efficiency	94%
Power factor (approx.)	> 0.95 @ 230 V AC
AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
Protection against reverse voltages from the load	58 ... 65 V DC
Parallel connection option	yes, max. 5
Depth x width x height	150 / 140 / 130 mm
Weight	3.4 kg

Approvals	
Approvals	CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM

Approvals	CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM
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Approvals	CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM
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Connection data	
Connection system	Screw connection
Number of terminals	3 for L/N/PE
Wire cross-section, rigid min/max	0.18 / 6 mm <sup>2</sup>
Wire cross-section, flexible min/max	0.22 / 4 mm <sup>2</sup>
Wire cross-section, AWG/kcmil min/max	26 / 10
Screwdriver blade	0.8 x 4.0, PZ 1

Input	Output
Screw connection	Screw connection
3 for L/N/PE	8 (++,-,11,13,14)
0.18 / 6	0.18 / 6
0.22 / 4	0.22 / 4
26 / 10	26 / 10
0.8 x 4.0, PZ 1	0.8 x 4.0, PZ 1

Input	Output
Screw connection	Screw connection
3 for L/N/PE	8 (++,-,11,13,14)
0.18 / 6	0.5 / 16
0.22 / 4	0.5 / 16
26 / 10	22 / 8
0.8 x 4.0, PZ 1	1.0 x 5.5

Ordering data

Type	Qty.	Order No.
PRO MAX 480W 48V 10A	1	1478250000

Type	Qty.	Order No.
PRO MAX 480W 48V 10A	1	1478250000

Type	Qty.	Order No.
PRO MAX 960W 48V 20A	1	1478270000

Note
The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

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The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

Note
The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

Accessories

Note

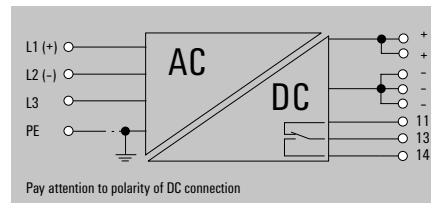
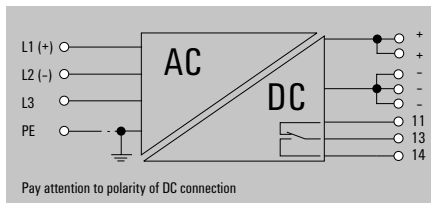
Note

Note

connectPower PROmax

PRO MAX3 120W 24V 5A

PRO MAX3 240W 24V 10A



Technical data

Input	
Rated input voltage	3 x 400...3 x 500 V AC (wide-range input)
Input voltage range AC	3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC
Frequency range AC	45...65 Hz
DC input voltage range	450...800 V DC (max. 500 V DC acc. to UL508)
AC current consumption	0,28A @ 3*500 VAC / 0,3A @ 3*400 VAC
DC current consumption	0,18 A @ 800 V DC / 0,3 A @ 450 V DC
Input fuse (internal) / Inrush current	Yes / max. 15 A
Recommended back-up fuse	2...3 A, char. C circuit breaker

Output	
Rated output voltage	24 V DC ± 1 %
Output voltage	22.5...29.5 V (adjustable via potentiometer)
Residual ripple, breaking spikes	< 50 mVss @ U <sub>Nom</sub> , Full Load
Rated (nominal) output current @ U <sub>Nom</sub>	5 A @ 60 °C
Continuous output current @ U <sub>Rated</sub>	6,0 A @ 45 °C, 3,75 A @ 70 °C
Power boost @ U <sub>Rated</sub>	6 A (1 min), 7,5 A (4s), 400...500 V AC
Pulsed current capacity @ U <sub>Rated</sub>	15 A (2ms)

General data	
Degree of efficiency	90%
Power factor (approx.)	> 0.50 @ 3*400 V AC
AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
Protection against reverse voltages from the load	30...35 V DC
Parallel connection option	yes, max. 5
Depth x width x height	125 / 40 / 130 mm
Weight	0.65 kg

Approvals	
Approvals	CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM

Connection data	
Connection system	Screw connection
Number of terminals	4 for L1/L2/L3/PE
Wire cross-section, rigid min/max	0.18 / 6 mm <sup>2</sup>
Wire cross-section, flexible min/max	0.22 / 4 mm <sup>2</sup>
Wire cross-section, AWG/kcmil min/max	26 / 10
Screwdriver blade	0.8 x 4.0, PZ 1

Ordering data

Type	Qty.	Order No.
PRO MAX3 120W 24V 5A	1	1478170000

**Note**  
The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

Accessories

**Note**

Input	
Rated input voltage	3 x 400...3 x 500 V AC (wide-range input)
Input voltage range AC	3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC
Frequency range AC	45...65 Hz
DC input voltage range	450...800 V DC (max. 500 V DC acc. to UL508)
AC current consumption	0,28A @ 3*500 VAC / 0,3A @ 3*400 VAC
DC current consumption	0,18 A @ 800 V DC / 0,3 A @ 450 V DC
Input fuse (internal) / Inrush current	Yes / max. 15 A
Recommended back-up fuse	2...3 A, char. C circuit breaker

Output	
Rated output voltage	24 V DC ± 1 %
Output voltage	22.5...29.5 V (adjustable via potentiometer)
Residual ripple, breaking spikes	< 50 mVss @ U <sub>Nom</sub> , Full Load
Rated (nominal) output current @ U <sub>Nom</sub>	5 A @ 60 °C
Continuous output current @ U <sub>Rated</sub>	6,0 A @ 45 °C, 3,75 A @ 70 °C
Power boost @ U <sub>Rated</sub>	6 A (1 min), 7,5 A (4s), 400...500 V AC
Pulsed current capacity @ U <sub>Rated</sub>	15 A (2ms)

General data	
Degree of efficiency	90%
Power factor (approx.)	> 0.50 @ 3*400 V AC
AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
Protection against reverse voltages from the load	30...35 V DC
Parallel connection option	yes, max. 5
Depth x width x height	125 / 40 / 130 mm
Weight	0.65 kg

Approvals	
Approvals	CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM

Connection data	
Connection system	Screw connection
Number of terminals	4 for L1/L2/L3/PE
Wire cross-section, rigid min/max	0.18 / 6 mm <sup>2</sup>
Wire cross-section, flexible min/max	0.22 / 4 mm <sup>2</sup>
Wire cross-section, AWG/kcmil min/max	26 / 10
Screwdriver blade	0.8 x 4.0, PZ 1

Type	Qty.	Order No.
PRO MAX3 120W 24V 5A	1	1478170000

**Note**  
The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

Input	
Rated input voltage	3 x 400...3 x 500 V AC (wide-range input)
Input voltage range AC	3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC
Frequency range AC	45...65 Hz
DC input voltage range	450...800 V DC (max. 500 V DC acc. to UL508)
AC current consumption	0,35A @ 3*500 VAC / 0,4A @ 3*400 VAC
DC current consumption	0,35 A @ 800 V DC / 0,6 A @ 450 V DC
Input fuse (internal) / Inrush current	Yes / max. 15 A
Recommended back-up fuse	3 - 5 A Char. C, circuit breaker

Output	
Rated output voltage	24 V DC ± 1 %
Output voltage	22.5...29.5 V (adjustable via potentiometer)
Residual ripple, breaking spikes	< 50 mVss @ U <sub>Nom</sub> , Full Load
Rated (nominal) output current @ U <sub>Nom</sub>	10 A @ 60 °C
Continuous output current @ U <sub>Rated</sub>	12 A @ 45°C, 7,5 A @ 70°C
Power boost @ U <sub>Rated</sub>	12 A (1 min), 15 A (4s)
Pulsed current capacity @ U <sub>Rated</sub>	30 A (2ms)

General data	
Degree of efficiency	91.5%
Power factor (approx.)	> 0.85 @ 3*400 V AC
AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
Protection against reverse voltages from the load	30...35 V DC
Parallel connection option	yes, max. 5
Depth x width x height	125 / 60 / 130 mm
Weight	1.3 kg

Approvals	
Approvals	CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM

Connection data	
Connection system	Screw connection
Number of terminals	4 for L1/L2/L3/PE
Wire cross-section, rigid min/max	0.18 / 6 mm <sup>2</sup>
Wire cross-section, flexible min/max	0.22 / 4 mm <sup>2</sup>
Wire cross-section, AWG/kcmil min/max	26 / 10
Screwdriver blade	0.8 x 4.0, PZ 1

Type	Qty.	Order No.
PRO MAX3 240W 24V 10A	1	1478180000

**Note**  
The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

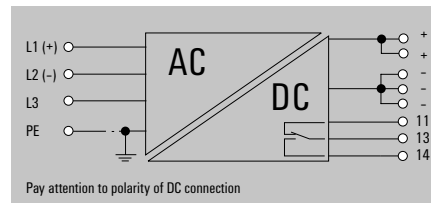
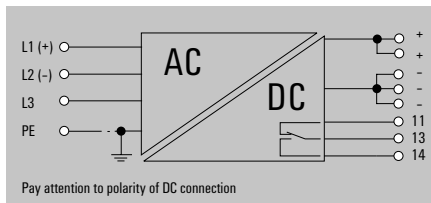




connectPower PROmax

PRO MAX3 480W 24V 20A

PRO MAX3 960W 24V 40A



Technical data

Input	
Rated input voltage	3 x 400...3 x 500 V AC (wide-range input)
Input voltage range AC	3 x 320...3 x 575 V AC / 2 x 360...2 x 575 V AC
Frequency range AC	45...65 Hz
DC input voltage range	450...800 V DC (max. 500 V DC acc. to UL508)
AC current consumption	0,7A @ 3*500 VAC / 0,85 @ 3*400 VAC
DC current consumption	0,7 A @ 800 V DC / 1,2 A @ 450 V DC
Input fuse (internal) / Inrush current	Yes / max. 15 A
Recommended back-up fuse	3 - 5 A Char. C, circuit breaker

Rated output voltage	24 V DC ± 1 %
Output voltage	22.5...29.5 V (adjustable via potentiometer)
Residual ripple, breaking spikes	< 50 mVss @ U <sub>Nom</sub> , Full Load
Rated (nominal) output current @ U <sub>Nom</sub>	20 A @ 60 °C
Continuous output current @ U <sub>Rated</sub>	24 A @ 45°C, 15 A @ 70°C
Power boost @ U <sub>Rated</sub>	24 A (1 min), 30 A (4s)
Pulsed current capacity @ U <sub>Rated</sub>	60 A (2ms)

Rated output voltage	24 V DC ± 1 %
Output voltage	22.5...29.5 V (adjustable via potentiometer)
Residual ripple, breaking spikes	< 50 mVss @ U <sub>Nom</sub> , Full Load
Rated (nominal) output current @ U <sub>Nom</sub>	40 A @ 60 °C
Continuous output current @ U <sub>Rated</sub>	48 A @ 45°C, 30 A @ 70°C
Power boost @ U <sub>Rated</sub>	48 A (1 min), 60 A (4s), 400...500 V AC
Pulsed current capacity @ U <sub>Rated</sub>	120 A (2ms)

Output	
Rated output voltage	24 V DC ± 1 %
Output voltage	22.5...29.5 V (adjustable via potentiometer)
Residual ripple, breaking spikes	< 50 mVss @ U <sub>Nom</sub> , Full Load
Rated (nominal) output current @ U <sub>Nom</sub>	20 A @ 60 °C
Continuous output current @ U <sub>Rated</sub>	24 A @ 45°C, 15 A @ 70°C
Power boost @ U <sub>Rated</sub>	24 A (1 min), 30 A (4s)
Pulsed current capacity @ U <sub>Rated</sub>	60 A (2ms)

Degree of efficiency	91.5%
Power factor (approx.)	> 0.85 @ 3*400 V AC
AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
Protection against reverse voltages from the load	30...35 V DC
Parallel connection option	yes, max. 3
Depth x width x height	150 / 70 / 130 mm
Weight	1.3 kg

Degree of efficiency	93.5%
Power factor (approx.)	> 0.75 @ 3*400 V AC
AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
Protection against reverse voltages from the load	30...35 V DC
Parallel connection option	yes, max. 3
Depth x width x height	150 / 140 / 130 mm
Weight	3.1 kg

General data	
Degree of efficiency	91.5%
Power factor (approx.)	> 0.85 @ 3*400 V AC
AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms
Protection against reverse voltages from the load	30...35 V DC
Parallel connection option	yes, max. 3
Depth x width x height	150 / 70 / 130 mm
Weight	1.3 kg

CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM	
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CE; cULus; cURus; EAC; TÜV; GL; SEMI F47; Cl.1 Div.2; RCM	
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Connection data	
Connection system	Screw connection
Number of terminals	4 for L1/L2/L3/PE
Wire cross-section, rigid min/max	0.18 / 6 mm <sup>2</sup>
Wire cross-section, flexible min/max	0.22 / 4 mm <sup>2</sup>
Wire cross-section, AWG/kcmil min/max	26 / 10
Screwdriver blade	0.8 x 4.0, PZ 1

Input	Output
Screw connection	Screw connection
4 for L1/L2/L3/PE	8 (++, --, 11, 13, 14)
0.18 / 6	0.18 / 6
0.22 / 4	0.22 / 4
26 / 10	26 / 10
0.8 x 4.0, PZ 1	0.8 x 4.0, PZ 1

Input	Output
Screw connection	Screw connection
4 for L1/L2/L3/PE	8 (++, --, 11, 13, 14)
0.18 / 6	0.5 / 16
0.22 / 4	0.5 / 16
26 / 10	22 / 8
0.8 x 4.0, PZ 1	1.0 x 5.5

Ordering data

Type	Qty.	Order No.
PRO MAX3 480W 24V 20A	1	1478190000

Type	Qty.	Order No.
PRO MAX3 480W 24V 20A	1	1478190000

Type	Qty.	Order No.
PRO MAX3 960W 24V 40A	1	1478200000

Note	The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.
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Accessories

Note	
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Note	
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Technical data

Machinery

Process

Energy

Transportation

Device Manufacturers