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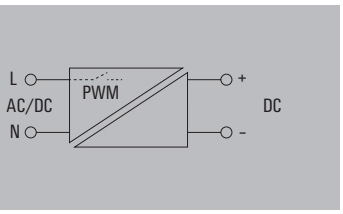
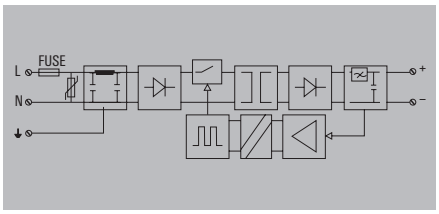
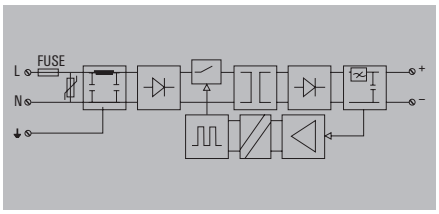
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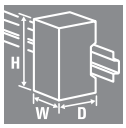
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connectPower
Single-phase

	CP SNT 24W 28V 1A	CP SNT 24W 24V 1A
		
		
		



Technical data

Input		
Input voltage	85...265 V AC, 120...300 V DC	85...265 V AC, 120...300 V DC
Input current	460 mA @ 115 V AC; 250 mA @ 230 V AC	460 mA @ 115 V AC; 250 mA @ 230 V AC
Input frequency	50/ 60 Hz	50/ 60 Hz
Turn-on current limit	Thermistor	Thermistor
Input fuse	2 A time-lag fuse (internal)	2 A time-lag fuse (internal)
Surge protection	Varistor	Varistor
Output		
Output voltage	28 V DC	24 V DC
Output current	1 A	1 A
Output power	28 W	24 W
Max. residual ripple	< 2 %	< 2 %
Overload protection	Surge current / thermal cut-out	Surge current / thermal cut-out
Surge protection	Varistor	Varistor
Mains failure bridge-over time	35 ms @ 115 V AC / 160 ms @ 230 V AC	35 ms @ 115 V AC / 160 ms @ 230 V AC
Control at 10...100% load	0.5%	0.5%
Max. capacitance at output	8000 µF	8000 µF
Insulation coordination (EN 50178)		
Electrical isolation, output-earth	0.5 kV	0.5 kV
Electrical isolation, input-earth	1.5 kV	1.5 kV
Electrical isolation, input-output	3 kV	3 kV
Electrical isolation, I/O rail	4 kV	4 kV
General data		
Ambient temperature (operational)	-20 °C...+50 °C	-20 °C...+50 °C
Storage temperature	-40 °C...+85 °C	-40 °C...+85 °C
Degree of efficiency at max. load	78%	78%
Standards	DIN EN 50178, DIN EN 60950, IEC950	DIN EN 50178, DIN EN 60950, IEC950
Approvals	CE; CSA; cULus; GOSTME25	CE; CSA; CSAEX; cULus; GOSTME25
EMC standards	EN 61000-6 /-2, -3	EN 61000-6 /-2, -3
Parallel connection option	yes, max 2.	yes, max 2.

Dimensions		**Input/Output**	**Input/Output**
Clamping range (nominal / min. / max.)	mm²	4 / 0.08 / 4	4 / 0.08 / 4
Depth x width x height	mm	62.5 / 52 / 90.5	62.5 / 52 / 90.5
Note		Derating loss: 33 % @ 60 °C The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.	Derating loss: 33 % @ 60 °C The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

Ordering data

	Type	Qty.	Order No.	Type	Qty.	Order No.
Screw connection	CP SNT 24W 28V 1A	1	**9928890028**	CP SNT 24W 24V 1A	1	**9928890024**
Note	The internal varistor found in a switch-mode power supply does not replace the necessary surge protection in a system.			The internal varistor found in a switch-mode power supply does not replace the necessary surge protection in a system.		

Accessories

Note		

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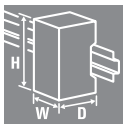
Single-phase

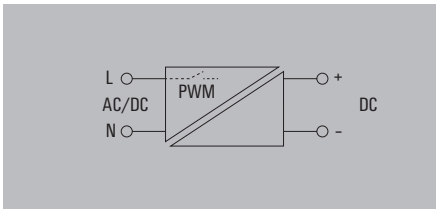
CP SNT 24W 15V 1.5A

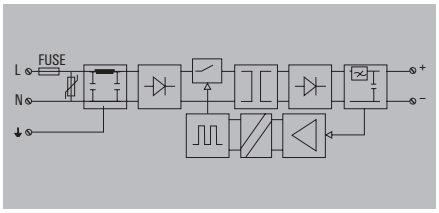


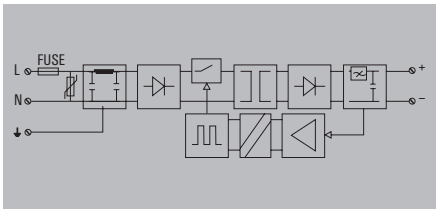
CP SNT 24W 12V 1.5A











Technical data

Input		
Input voltage	85...265 V AC, 120...300 V DC	85...265 V AC, 120...300 V DC
Input current	460 mA @ 115 V AC; 250 mA @ 230 V AC	460 mA @ 115 V AC; 250 mA @ 230 V AC
Input frequency	50/ 60 Hz	50/ 60 Hz
Turn-on current limit	Thermistor	Thermistor
Input fuse	2 A time-lag fuse (internal)	2 A time-lag fuse (internal)
Surge protection	Varistor	Varistor
Output		
Output voltage	15 V DC	12 V DC
Output current	1.5 A	1.5 A
Output power	22.5 W	18 W
Max. residual ripple	< 2 %	< 2 %
Overload protection	Surge current / thermal cut-out	Surge current / thermal cut-out
Surge protection	Varistor	Varistor
Mains failure bridge-over time	35 ms @ 115 V AC / 160 ms @ 230 V AC	35 ms @ 115 V AC / 160 ms @ 230 V AC
Control at 10...100% load	0.5%	0.5%
Max. capacitance at output	8000 µF	8000 µF
Insulation coordination (EN 50178)		
Electrical isolation, output-earth	0.5 kV	0.5 kV
Electrical isolation, input-earth	1.5 kV	1.5 kV
Electrical isolation, input-output	3 kV	3 kV
Electrical isolation, I/O rail	4 kV	4 kV
General data		
Ambient temperature (operational)	-20 °C...+50 °C	-20 °C...+50 °C
Storage temperature	-40 °C...+85 °C	-40 °C...+85 °C
Degree of efficiency at max. load	78%	78%
Standards	DIN EN 50178, DIN EN 60950, IEC950	DIN EN 50178, DIN EN 60950, IEC950
Approvals	CE; CSA; cULus; GOSTME25	CE; CSA; cULus; GOSTME25
EMC standards	EN 61000-6 /-2, -3	EN 61000-6 /-2, -3
Parallel connection option	yes, max 2.	yes, max 2.

Dimensions			
Clamping range (nominal / min. / max.)	mm²	4 / 0.08 / 4	4 / 0.08 / 4
Depth x width x height	mm	62.5 / 52 / 90.5	62.5 / 52 / 90.5
Note		Derating loss: 33 % @ 60 °C The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.	Derating loss: 33 % @ 60 °C The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

Ordering data

	Type	Qty.	Order No.	Type	Qty.	Order No.
Screw connection	CP SNT 24W 15V 1.5A	1	**9928890015**	CP SNT 24W 12V 1.5A	1	**9928890012**

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

Accessories

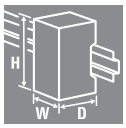
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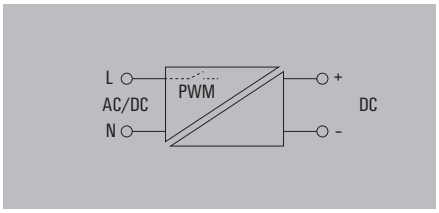
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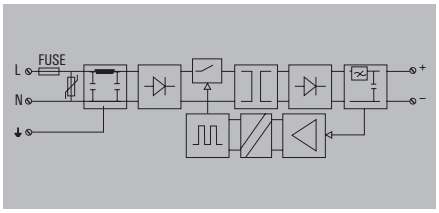
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Single-phase

CP SNT 24W 5V 2A









Technical data

Input	
Input voltage	85...265 V AC, 120...300 V DC
Input current	460 mA @ 115 V AC; 250 mA @ 230 V AC
Input frequency	50/ 60 Hz
Turn-on current limit	Thermistor
Input fuse	2 A time-lag fuse (internal)
Surge protection	Varistor
Output	
Output voltage	5 V DC
Output current	2 A
Output power	10 W
Max. residual ripple	< 2 %
Overload protection	Surge current / thermal cut-out
Surge protection	Varistor
Mains failure bridge-over time	35 ms @ 115 V AC / 160 ms @ 230 V AC
Control at 10...100% load	0.5%
Max. capacitance at output	8000 µF
Insulation coordination (EN 50178)	
Electrical isolation, output-earth	0.5 kV
Electrical isolation, input-earth	1.5 kV
Electrical isolation, input-output	3 kV
Electrical isolation, I/O rail	4 kV
General data	
Ambient temperature (operational)	-20 °C...+50 °C
Storage temperature	-40 °C...+85 °C
Degree of efficiency at max. load	78%
Standards	DIN EN 50178, DIN EN 60950, IEC950
Approvals	CE; CSA; cULus; GOSTME25
EMC standards	EN 61000-6 /-2, -3
Parallel connection option	yes, max 2.

Dimensions		**Input/Output**
Clamping range (nominal / min. / max.)	mm^2	4 / 0.08 / 4
Depth x width x height	mm	62.5 / 52 / 90.5
Note		Derating loss: 33 % @ 60 °C The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system.

Ordering data

		Type	**Qty.**	**Order No.**
Screw connection		CP SNT 24W 5V 2A	1	**9928890005**

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

Accessories

Note	

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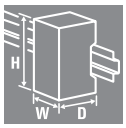
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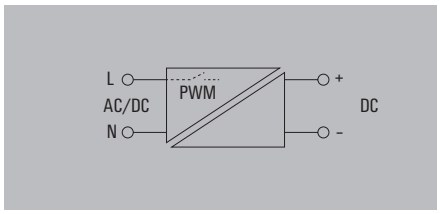
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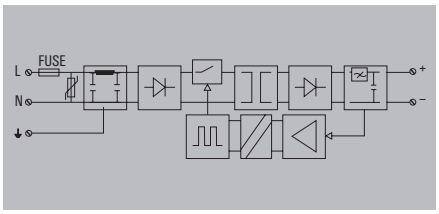
Single-phase

CP SNT 25W 5V 5A









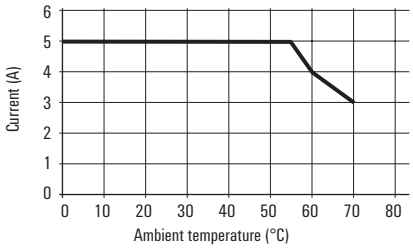
Technical data

Input	
Input voltage	85...264 V AC / 110...370 V DC
Input current	500 mA at rated load @ 230 V AC
Input frequency	50/ 60 Hz
Turn-on current limit	Yes
Input fuse	Fuse link 2.5 A (T) / 250 V
Output	
Output voltage	4...8 V DC (adjustable via potentiometer)
Output current	5 A
Output power	25 W
Max. residual ripple	120 mV_{SS}
Overload protection	105 %...150 % I_{const} of max. output load; automatic reset
Surge protection	Varistor
Mains failure bridge-over time	11 ms @ 115 V AC / 50 ms @ 230 V AC
Control at 10...100% load	1%
Max. capacitance at output	10000 µF
Insulation coordination (EN 50178)	
Electrical isolation, output-earth	0.5 kV
Electrical isolation, input-earth	1.5 kV
Electrical isolation, input-output	3 kV
Electrical isolation, I/O rail	4 kV
General data	
Ambient temperature (operational)	-10...+70 °C (Derating ab 55 °C)
Storage temperature	-20 °C...+85 °C
Degree of efficiency at max. load	70%
Standards	DIN EN 50178 (PELV), DIN EN 60950 (SELV)
Approvals	cCSAus; cURus; GOSTME25; UL
EMC standards	EN 55011, EN 55022, EN 61000-3-2,-3, EN 61000-6-2,-3,-4
Parallel connection option	Max. 3 devices (rated voltages are to be calibrated at ±20 mV)

Dimensions		**Input/Output**
Clamping range (nominal / min. / max.)	mm^2	2.5 / 0.5 / 4
Depth x width x height	mm	62.5 / 70 / 90.5

Note

Derating curve



Ordering data

	Type	Qty.	Order No.
Screw connection	CP SNT 25W 5V 5A	1	**8754960000**

Note

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

Accessories

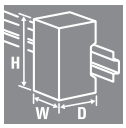
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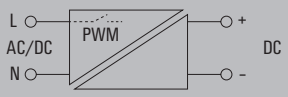
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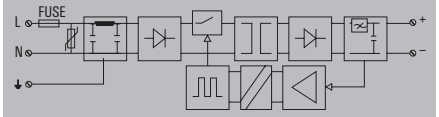
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Single-phase

CP SNT 48W 12V 4A









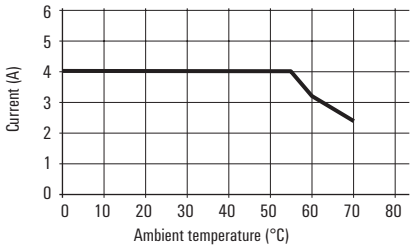
Technical data

Input	
Input voltage	85...264 V AC / 110...370 V DC
Input current	500 mA at rated load @ 230 V AC
Input frequency	50/ 60 Hz
Turn-on current limit	Yes
Input fuse	Fuse link 2.5 A (T) / 250 V
Output	
Output voltage	9...15 V DC (adjustable via potentiometer)
Output current	4 A
Output power	48 W
Max. residual ripple	120 mV_{SS}
Overload protection	105 %...150 % I_{const} of max. output load; automatic reset
Surge protection	Varistor
Mains failure bridge-over time	11 ms @ 115 V AC / 50 ms @ 230 V AC
Control at 10...100% load	1%
Max. capacitance at output	10000 µF
Insulation coordination (EN 50178)	
Electrical isolation, output-earth	0.5 kV
Electrical isolation, input-earth	1.5 kV
Electrical isolation, input-output	3 kV
Electrical isolation, I/O rail	4 kV
General data	
Ambient temperature (operational)	-10...+70 °C (Derating ab 55 °C)
Storage temperature	-20 °C...+85 °C
Degree of efficiency at max. load	75%
Standards	DIN EN 50178 (PELV), DIN EN 60950 (SELV)
Approvals	cCSAus; CE; cURus; GOSTME25; UL
EMC standards	EN 55011, EN 55022, EN 61000-3-2,-3, EN 61000-6-2,-3,-4
Parallel connection option	Max. 3 devices (rated voltages are to be calibrated at ±20 mV)

Dimensions		**Input/Output**
Clamping range (nominal / min. / max.)	mm^2	2.5 / 0.5 / 4
Depth x width x height	mm	62.5 / 70 / 90.5

Note	

Derating curve



Ordering data

	Type	Qty.	Order No.
Screw connection	CP SNT 48W 12V 4A	1	**8754970000**

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

Accessories

Note	

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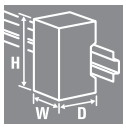
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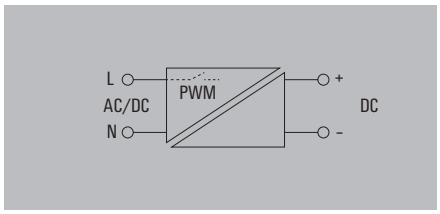
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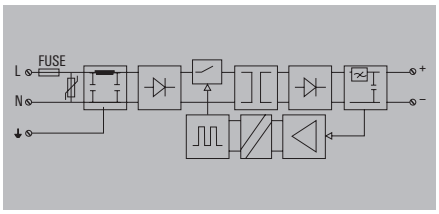
Single-phase

CP SNT 48W 24V 2A









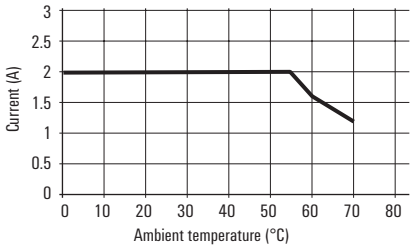
Technical data

Input	
Input voltage	85...264 V AC / 110...370 V DC
Input current	500 mA at rated load @ 230 V AC
Input frequency	50/ 60 Hz
Turn-on current limit	Yes
Input fuse	Fuse link 2.5 A (T) / 250 V
Output	
Output voltage	15...28 V DC (adjustable via potentiometer)
Output current	2 A
Output power	48 W
Max. residual ripple	120 mV_{SS}
Overload protection	105 %...150 % I_{const} of max. output load; automatic reset
Surge protection	Varistor
Mains failure bridge-over time	11 ms @ 115 V AC / 50 ms @ 230 V AC
Control at 10...100% load	1%
Max. capacitance at output	10000 µF
Insulation coordination (EN 50178)	
Electrical isolation, output-earth	0.5 kV
Electrical isolation, input-earth	1.5 kV
Electrical isolation, input-output	3 kV
Electrical isolation, I/O rail	4 kV
General data	
Ambient temperature (operational)	-10...+70 °C (Derating ab 55 °C)
Storage temperature	-20 °C...+85 °C
Degree of efficiency at max. load	78%
Standards	DIN EN 50178 (PELV), DIN EN 60950 (SELV)
Approvals	cCSAus; cURus; GOSTME25; UL
EMC standards	EN 55011, EN 55022, EN 61000-3-2,-3, EN 61000-6-2,-3,-4
Parallel connection option	Max. 3 devices (rated voltages are to be calibrated at ±20 mV)

Dimensions		**Input/Output**
Clamping range (nominal / min. / max.)	mm^2	2.5 / 0.5 / 4
Depth x width x height	mm	62.5 / 70 / 90.5

Note

Derating curve



Ordering data

	Type	Qty.	Order No.
Screw connection	CP SNT 48W 24V 2A	1	**8739140000**

Note

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

Accessories

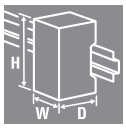
Note

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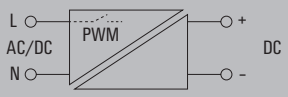
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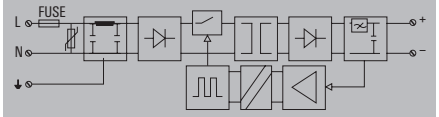
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Single-phase

CP SNT 48W 48V 1A









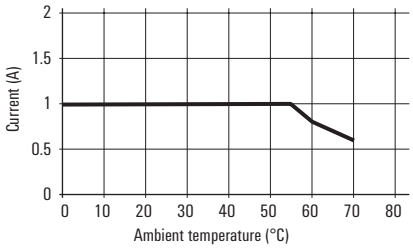
Technical data

Input	
Input voltage	85...264 V AC / 110...370 V DC
Input current	500 mA at rated load @ 230 V AC
Input frequency	50/ 60 Hz
Turn-on current limit	Yes
Input fuse	Fuse link 2.5 A (T) / 250 V
Output	
Output voltage	46...55 V DC (adjustable via potentiometer)
Output current	1 A
Output power	48 W
Max. residual ripple	120 mV_{SS}
Overload protection	105 %...150 % I_{const} of max. output load; automatic reset
Surge protection	Varistor
Mains failure bridge-over time	11 ms @ 115 V AC / 50 ms @ 230 V AC
Control at 10...100% load	1%
Max. capacitance at output	10000 µF
Insulation coordination (EN 50178)	
Electrical isolation, output-earth	0.5 kV
Electrical isolation, input-earth	1.5 kV
Electrical isolation, input-output	3 kV
Electrical isolation, I/O rail	4 kV
General data	
Ambient temperature (operational)	-10...+70 °C (Derating ab 55 °C)
Storage temperature	-20 °C...+85 °C
Degree of efficiency at max. load	80%
Standards	DIN EN 50178 (PELV), DIN EN 60950 (SELV)
Approvals	cCSAus; cURus; GOSTME25; UL
EMC standards	EN 55011, EN 55022, EN 61000-3-2,-3, EN 61000-6-2,-3,-4
Parallel connection option	Max. 3 devices (rated voltages are to be calibrated at ±20 mV)

Dimensions		**Input/Output**
Clamping range (nominal / min. / max.)	mm^2	2.5 / 0.5 / 4
Depth x width x height	mm	62.5 / 70 / 90.5

Note

Derating curve



Ordering data

	Type	Qty.	Order No.
Screw connection	CP SNT 48W 48V 1A	1	**8879230000**

Note

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

Accessories

Note

Phone: 800.894.0412 - Fax: 888.723.4773 - Web: www.clrwtr.com - Email: info@clrwtr.com

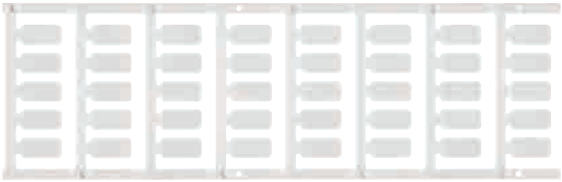
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Small screwdriver



Type	Blade type	Size/AF	a	b	c	Order No.
SDIK PH1		1.00			80	**9008570000**
SDIS 0.5X3.0X100	B		0.5	3	100	**9008380000**

Markers



Type	Colour	Qty.	Order No.
SM 18/9.5 K MC NE WS	white	200	**1248580000**

End bracket

For DIN rail TS 35



Polyamide with fibre glass, screwable	Colour	Torque	Qty.	Order No.
WEW 35/1 SW	black	1.2 Nm	50	**1162600000**

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