

**CP T SNT 70W 12V 6A****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

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www.weidmueller.com



The powerful new line of PRO-H power supplies – with ATEX and Class I Div. 2 approvals – is designed for use in Ex zones and the high-performance sector. High power reserves, a wide operating temperature range of -25 °C to +70 °C and high MTBF values (mean time between failures) of up to 1.8 million hours: these features ensure that the power supplies are suitable for all applications that require superior reliability (for example in the processing industry, power engineering, and in demanding machine construction applications).

Solutions are available to fit control voltages from 12V/24V to 48V. The product can be wired in parallel in order to increase the power capacity. A two-channel set-up with 100% load sharing can also be implemented with an optional redundancy module. This serves to increase your operational reliability. The Remote On/Off function allow you to switch the device on and off remotely. The output status can be signalled over a voltage-free relay or transistor output. The devices are equipped with pluggable connection terminals which allow them to be easily tested.

Product solutions can be custom-fit for use in different types of one-phase, and three-phase systems.

**General ordering data**

Order No.	<a href="#">1105430000</a>
Type	CP T SNT 70W 12V 6A
GTIN (EAN)	4032248880591

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## Technical data

## Dimensions

Length	110 mm	Width	35 mm
Height	110 mm	Weight	0.5 kg

## Temperatures

Operating temperature	-25 °C...+70 °C	Storage temperature	-25 °C...+85 °C
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## Input

AC current consumption	1 A @ 230 V AC, 2 A @ 115 V AC	Frequency range AC	47...63 Hz
Input fuse (internal)	4 A	Input voltage range AC	85...264 V AC
Recommended back-up fuse	6...16 A, char. B, circuit breaker	making current	< 20 A (230 V AC)
rated input voltage	100...240 V AC (wide-range input)		

## output

Output voltage	12...14 V DC (adjustable via potentiometer on front)	Parallel connection option	Yes, max. 5 (without diode module)
Rated (nominal) output current @ U <sub>Nom</sub>	6 A @ 40 °C	continuous output current @ 24 V DC	6 A @ 40 °C, 5.4 A @ 60 °C, 4.5 A @ 70 °C
rated output voltage	12 V DC ± 1 %	residual ripple, breaking spikes	100 mV <sub>SS</sub> @ 12 V DC, I <sub>nom</sub>

## General data

AC failure bridging time @ I <sub>Nom</sub>	min. 20 ms @ 230 V AC, min. 10 ms @ 115 V AC	Current limiting	> 100 % I <sub>N</sub>
Degree of efficiency	typ. 82 % @ 230 V AC	Housing version	Metal, corrosion resistant
Humidity	0...95 % (no condensation)	Indication	Dual LED Operational: green LED, Error: red LED
MTBF	> 1.8 mill. h	Mounting position, installation notice	Horizontal on TS35 rail, with 80 mm of clearance at top and bottom for air circulation; can be aligned side-by-side with 50 mm gap in between.
Operating temperature	-25 °C...+70 °C		

## Insulation coordination

Class of protection	I, with PE connection	Insulation voltage	4 kV (input / output)
Pollution severity	2	Protection degree	IP 20

## Connection data

Conductor cross-section, AWG/kcmil, max.	12	Conductor cross-section, AWG/kcmil, min.	24
Conductor cross-section, rigid, max.	2.5 mm <sup>2</sup>	Conductor cross-section, rigid, min.	0.5 mm <sup>2</sup>
Connection system [Input]	Pluggable screw connection	Connection system [Output]	Pluggable screw connection
Number of terminals [Input]	3 for L/N/PE	Number of terminals [Output]	2 (+ / -)
Number of terminals [Signal]	3	Wire connection method [Signal]	Pluggable screw connection
Wire cross-section, AWG/kcmil [Signal], max.	12 mm <sup>2</sup>	Wire cross-section, AWG/kcmil [Signal], min.	32 mm <sup>2</sup>
Wire cross-section, solid [Signal], max.	2.5 mm <sup>2</sup>	Wire cross-section, solid [Signal], min.	0.2 mm <sup>2</sup>

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**Technical data****EMC / shock / vibration**

Limiting of mains voltage harmonic currents	Acc. to EN 61000-3-2	Noise emission acc. to EN55022	Class B
Vibration resistance IEC 60068-2-6		Interference immunity test acc. to	EN61000-4-2 (ESD), EN61000-4-3 and EN61000-4-8 (fields), EN61000-4-4 (burst), EN61000-4-5 (surge), EN61000-4-6 (conducted), EN61000-4-11 (dips)
	3 axes, sinus, 10...55 Hz, 1 g, 1 oct/min.		
Shock resistance IEC 60068-2-27	3 axes, half sinus, 15 g, 11 ms		

**PA52\_7 signalling**

Active output signal	11 V DC $\pm$ 1 V DC / max. 20 mA	Potential-free, floating signal contact	NO contact, 30 V DC / max. 1 A
Power Good Signal	Trigger point 9...11 V DC		

**Rated data UL**

Certificate No. (UL)	E255651CONV
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**Classifications**

ETIM 4.0	EC002541	eClass 6.0	EC27049201
eClass 7.0	27-04-90-04		

**Approvals**

Approvals	CE CSA UL
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**Downloads**

PDF	<a href="#">Warrenty Information</a>
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