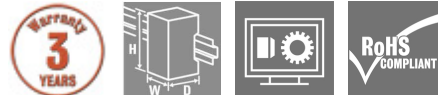


**Pro-H**  
**CP T SNT 70W 12V 6A**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 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**

Delivery status	<b>This article will no longer be available in the future.</b>
Available until	2019-06-30
Type	CP T SNT 70W 12V 6A
Order No.	<a href="#">1105430000</a>
Version	Power supply, switch-mode power supply unit, 12 V
GTIN (EAN)	4032248880591
Qty.	1 pc(s).
Alternative product	<a href="#">2467020000</a>

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**Technical data**
**Dimensions and weights**

Width	35 mm	Width (inches)	1.378 inch
Height	110 mm	Height (inches)	4.331 inch
Depth	110 mm	Depth (inches)	4.331 inch
Net weight	519 g		

**Temperatures**

Humidity	0...95 % (no condensation)	Operating temperature, max.	70 °C
Operating temperature, min.	-25 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-25 °C	Operating temperature	-25 °C...70 °C
Storage temperature	-25 °C...85 °C		

**Environmental Product Compliance**

REACH SVHC Lead 7439-92-1

**Rated data UL**

Certificate No. (UL) E255651

**Input**

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

**output**

Continuous output current @ $U_{Nominal}$	6 A @ 40 °C, 5.4 A @ 60 °C, 4.5 A @ 70 °C	Nominal output current for $U_{nom}$	6 A @ 40 °C
Output power	70 W	Output voltage	12 V
Output voltage	12...14 V (adjustable via potentiometer on front)	Output voltage type	DC
Parallel connection option	yes, max. 5	Rated output voltage	12 V DC $\pm$ 1 %
Residual ripple, breaking spikes	100 mV <sub>SS</sub> @ 12 V DC, $I_{nom}$	Wire connection method	Screw connection

**General data**

AC failure bridging time @ $I_{nom}$	min. 20 ms @ 230 V AC, min. 10 ms @ 115 V AC	Current limiting	> 100 % $I_N$
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	Protection degree	IP20
Short-circuit protection	Yes		

Creation date February 7, 2019 7:06:31 AM CET

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

Limiting of mains voltage harmonic currents	in accordance with EN 61000-3-2	Noise emission in accordance with EN55032	Class B
Vibration resistance IEC 60068-2-6		Interference immunity test acc. to	EN 61000-4-2 (ESD)  EN 61000-4-3 and EN 61000-4-8 (fields) EN 61000-4-4 (burst) EN 61000-4-5 (surge) EN 61000-4-6 (conducted)  EN 61000-4-11 (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		

**Insulation coordination**

Insulation voltage	4 kV (input / output)	Pollution severity	2
Protection degree	I, with PE connection		

**Electrical safety (applied standards)**

Electrical machine equipment	Acc. to EN60204	For use with electronic equipment	Acc. to EN50178 / VDE0160
Safety extra-low voltage	SELV in accordance with EN60950	Safety transformers for switch-mode power supplies	in accordance with EN 61558-2-4

**Connection data (input)**

Conductor cross-section, AWG/kcmil , max.	12	Conductor cross-section, AWG/kcmil , min.	24
Conductor cross-section, flexible , min.	0.5 mm <sup>2</sup>	Conductor cross-section, rigid , max.	2.5 mm <sup>2</sup>
Conductor cross-section, rigid , min.	0.5 mm <sup>2</sup>	Connection system	Screw connection
Number of terminals	3 for L/N/PE	Tightening torque, max.	0.6 Nm
Tightening torque, min.	0.5 Nm	Wire connection cross section, flexible (input), max.	2.5 mm <sup>2</sup>

**Connection data (output)**

Conductor cross-section, AWG/kcmil , max.	12	Conductor cross-section, AWG/kcmil , min.	18
Conductor cross-section, flexible , max.	2.5 mm <sup>2</sup>	Conductor cross-section, flexible , min.	1 mm <sup>2</sup>
Conductor cross-section, rigid , max.	2.5 mm <sup>2</sup>	Conductor cross-section, rigid , min.	1 mm <sup>2</sup>
Number of terminals	2 (+ / -)	Tightening torque, max.	0.6 Nm
Tightening torque, min.	0.5 Nm		

**Connection data (signal)**

Number of terminals	3	Wire connection method	Pluggable screw connection
Wire cross-section, AWG/kcmil , max.	12	Wire cross-section, AWG/kcmil , min.	32
Wire cross-section, solid , max.	2.5 mm <sup>2</sup>	Wire cross-section, solid , min.	0.2 mm <sup>2</sup>

**Signalling**

Active output signal	11 V DC ± 1 V DC / max. 20 mA	Power Good Signal	Trigger point 9...11 V DC
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**Data sheet**

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**Technical data**

**Approvals**

Institute (CSA)		Certificate No. (CSA)	246286-2148800
Institute (UL)		Certificate No. (UL)	E255651
Institute (cURus)		Certificate No. (cURus)	E255651

**Classifications**

ETIM 4.0	EC002541	ETIM 5.0	EC002541
ETIM 6.0	EC002540	eClass 6.2	27-04-90-04
eClass 7.1	27-04-90-04	eClass 8.1	27-04-90-04
eClass 9.0	27-04-07-03	eClass 9.1	27-04-07-01

**Product information**

Descriptive text ordering data      The internal varistor found in a switch-mode power unit does not replace the necessary surge protection in a system.

**Approvals**

Approvals	
ROHS	Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">DE_PA5200_160421_001.pdf</a>
Brochure/Catalogue	<a href="#">CAT 4.3 ELECTR 15/16 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">Warrenty_Information_Power_Supplies.pdf</a> <a href="#">Operating Instructions</a>