

INSTA
CP SNT 48W 48V 1A
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

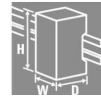
D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



One-phase switched-mode power unit in installation housing in performance classes 24 and 48 W. .
 The INSTA power units can be universally deployed because of their wide input range from 85 V AC to 265 V AC.
 They are available with output voltages from 5 V to 48 V.

General ordering data

Delivery status	This article will no longer be available in the future.
Available until	2020-03-31
Type	CP SNT 48W 48V 1A
Order No.	8879230000
Version	Power supply, switch-mode power supply unit, 48 V
GTIN (EAN)	4032248615148
Qty.	1 pc(s).
Alternative product	2580270000

Creation date April 22, 2020 8:52:01 AM CEST

INSTA
CP SNT 48W 48V 1A
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

Technical data
Dimensions and weights

Width	70 mm	Width (inches)	2.756 inch
Height	90.5 mm	Height (inches)	3.563 inch
Depth	62.5 mm	Depth (inches)	2.461 inch
Weight	0.2 kg	Net weight	333 g

Temperatures

Humidity at operating temperature	5...95% (indoor), $T_u = 40^\circ\text{C}$, without condensation	Operating temperature, max.	70 °C (Derating ab 55 °C)
Operating temperature, min.	-10 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-20 °C	Operating temperature	-10 °C...70 °C (Derating ab 55 °C)
Storage temperature	-20 °C...85 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

Rated data UL

Certificate No. (cURus)	E255651	Certificate No. (UL)	E258476
-------------------------	---------	----------------------	---------

Input

Connection system	Screw connection	DC input voltage range	80...370 V DC
Input current	500 mA at rated load @ 230 V AC	Input current at 115 Vac	500 mA
Input current at 230 Vac	500 mA	Input frequency	50/ 60 Hz
Input fuse	Fusible link 2.5 A (T) / 250 V	Input voltage (voltage mode input)	85...264 V AC / 110...370 V DC
Inrush Current Limitation	Yes	Wire connection method	Screw connection

Output

Control at 10...100% load	1%	Mains failure bridge-over time	11 ms @ 115 V AC / 50 ms @ 230 V AC
Max. capacitance at output	10000 µF	Max. residual ripple	120 mV _{ss}
Output current	1 A	Output power	48 W
Output voltage	48 V	Output voltage	46...55 V (adjustable via potentiometer)
Output voltage type	DC	Overload protection	105 %...150 % I_{konst} of max. Output line; automatic reboot
Parallel connection option	Max. 3 devices (rated voltages are to be calibrated at ± 20 mV)	Surge protection	Varistor
Wire connection method	Screw connection		

INSTA
CP SNT 48W 48V 1A
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

Technical data
General data

Degree of efficiency at max. load	80%	EMC standards	EN 55011, EN 55022, EN 61000-3-2,-3, EN 61000-6-2,-3,-4
Installation advice	For side-by-side mounting, clearance: above/below > 30 mm	MTBF	> 500,000 h in accordance with IEC 61709 (SN29500)
Mounting position, installation notice	horizontally, on terminal rail TS 35	Operating temperature	-10 °C...70 °C (Derating ab 55 °C)
Protection degree	IP20	Short-circuit protection	Yes
Standards	DIN EN 50178 (PELV), DIN EN 60950 (SELV)	Status indication	Green LED

System data

Output current	1 A
----------------	-----

Insulation coordination

Humidity at operating temperature	5...95% (indoor), $T_u = 40^\circ\text{C}$, without condensation	electrical isolation, I/O rail	
electrical isolation, input-earth	1.5 kV		4 kV
electrical isolation, output-earth	0.5 kV	electrical isolation, input-output	3 kV

Connection data (input)

Connection system	Screw connection
-------------------	------------------

Signalling

Status indication	Green LED
-------------------	-----------

Approvals

Institute (UL)		Certificate No. (UL)	E258476
Institute (cURus)		Certificate No. (cURus)	E255651

Classifications

ETIM 6.0	EC002540	ETIM 7.0	EC002540
eClass 9.0	27-04-07-01	eClass 9.1	27-04-07-01
eClass 10.0	27-04-07-01	UNSPSC	30-21-18-01

INSTA CP SNT 48W 48V 1A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Conformity	DE_PA5200_160310_003.pdf
Brochure/Catalogue	CAT 4.3 ELECTR 15/16 EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	Warrenty_Information_Power_Supplies.pdf Operating Instructions

INSTA CP SNT 48W 48V 1A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings

Electric symbol

