

INSTA
CP SNT 24W 24V 1A
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

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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 | 2019-06-30 |
| Type | CP SNT 24W 24V 1A |
| Order No. | 9928890024 |
| Version | Power supply, switch-mode power supply unit, 24 V |
| GTIN (EAN) | 4032248217557 |
| Qty. | 1 pc(s). |

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Technical data
Dimensions and weights

| | | | |
|--------|---------|-----------------|------------|
| Width | 52 mm | Width (inches) | 2.047 inch |
| Height | 90.5 mm | Height (inches) | 3.563 inch |
| Depth | 62.5 mm | Depth (inches) | 2.461 inch |
| Weight | 168.6 g | Net weight | 168.6 g |

Temperatures

| | | | |
|-----------------------------|----------------|-----------------------------|----------------|
| Operating temperature, max. | 50 °C | Operating temperature, min. | -20 °C |
| Storage temperature, max. | 85 °C | Storage temperature, min. | -40 °C |
| Operating temperature | -20 °C...50 °C | Storage temperature | -40 °C...85 °C |

Input

| | | | |
|------------------------------------|--------------------------------------|---------------------------|------------------------------|
| Connection system | Screw connection | DC input voltage range | 80...370 V DC |
| Input current | 460 mA @ 115 V AC; 250 mA @ 230 V AC | Input current at 115 Vac | 460 mA RMS ± 20% |
| Input current at 125 Vdc | 235 mA ± 20% | Input current at 250 Vdc | 120 mA ± 20% |
| Input frequency | 50/ 60 Hz | Input fuse | 2 A time-lag fuse (internal) |
| Input voltage (voltage mode input) | 85...265 V AC, 120...300 V DC | Inrush Current Limitation | Thermistor |
| Surge protection | Varistor | Wire connection method | Screw connection |

output

| | | | |
|--------------------------------|--------------------------------------|----------------------------|---------------------------------|
| Control at 10...100% load | 0.5% | Control at input voltage | 0.2% |
| Mains failure bridge-over time | 35 ms @ 115 V AC / 160 ms @ 230 V AC | Max. capacitance at output | 8000 µF |
| Max. residual ripple | < 2 % | Output current | 1 A |
| Output power | 24 W | Output voltage | 24 V |
| Output voltage type | DC | Overload protection | Surge current / thermal cut-out |
| Parallel connection option | yes, max 2. | Rated output voltage | 24 V DC ± 1 % |
| Surge protection | Varistor | Wire connection method | Screw connection |

General data

| | | | |
|--|--------------------------------------|--------------------------|--------------------|
| Degree of efficiency at max. load | 78% | EMC standards | EN 61000-6 /-2, -3 |
| Mounting position, installation notice | horizontally, on terminal rail TS 35 | Operating temperature | -20 °C...50 °C |
| Protection degree | IP20 | Short-circuit protection | Yes |
| Standards | DIN EN 50178, DIN EN 60950, IEC950 | Weight | 168.6 g |

System data

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

Insulation coordination

| | | | |
|------------------------------------|------|------------------------------------|--------|
| electrical isolation, I/O rail | 4 kV | electrical isolation, input-earth | 1.5 kV |
| electrical isolation, input-output | 3 kV | electrical isolation, output-earth | 0.5 kV |

Connection data (input)

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

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Technical data**Approvals**

Institute (CSA)



Certificate No. (CSA)

200039-1753861CB

Institute (cULus)



Certificate no. (cULus)

E196651

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 supply does not replace the necessary surge protection in a system. |
| Descriptive text technical data | 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. |

Approvals

Approvals



ROHS

Conform

Downloads

| | |
|--------------------|---|
| Brochure/Catalogue | CAT 4.3 ELECTR 15/16 EN |
| Engineering Data | EPLAN, WSCAD |

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Drawings

Electric symbol

