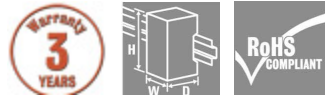


ECOLINE CP SNT 500W 24V 20A

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



One-phase switched-mode power unit in a compact metal housing for rail mounting in performance classes 70 to 1000 W. The ECOLINE power supplies can be universally deployed because of their wide input range from 85 V AC to 265 V AC. A floating relay contact in the output circuit indicates short-circuits and overloads.

General ordering data

| | |
|------------|---|
| Type | CP SNT 500W 24V 20A |
| Order No. | 8778870000 |
| Version | Power supply, switch-mode power supply unit |
| GTIN (EAN) | 4032248449316 |
| Qty. | 1 pc(s). |

ECOLINE
CP SNT 500W 24V 20A

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

Technical data
Dimensions and weights

| | | | |
|------------|----------|--------|--------|
| Width | 227.5 mm | Height | 125 mm |
| Depth | 110 mm | Weight | 2 kg |
| Net weight | 2,914 g | | |

Temperatures

| | | | |
|-----------------------|-------------------------------------|---------------------|-----------------|
| Operating temperature | -10 °C...+70 °C (Derating ab 55 °C) | Storage temperature | -20 °C...+85 °C |
|-----------------------|-------------------------------------|---------------------|-----------------|

Input

| | | | |
|--------------------------|---|------------------------------------|---|
| Connection range | AWG 26-12 / 0.13 to 6.0 mm ² | Input current | 9 A @ 115 V AC / 6 A @ 230 V AC |
| Input frequency | 50/ 60 Hz | Input fuse | Fusible link 10 A (T) / 250 V |
| Input fuse (internal) | Yes | Input voltage (voltage mode input) | 88...132 V AC/176...264 V AC selectable; 250...370 V DC |
| Recommended back-up fuse | 10 - 16 A Char. C, circuit breaker | Surge protection | Varistor |
| Wire connection method | Screw connection | | |

output

| | | | |
|----------------------------|--|--------------------------------|---|
| Connection range | AWG 26-12 / 0.13 to 6.0 mm ² | Control at 10...100% load | <2% |
| Control at input voltage | 0.5% | Mains failure bridge-over time | 10 ms @ 115 V AC / 15 ms @ 230 V AC |
| Max. capacitance at output | 40000 µF | Max. residual ripple | < 100 mV _{PP} / bandwidth 20 MHz |
| Output current | 2...20 A @ 200...240 V AC; 2...16 A @ 100...120 V AC | Output power | 480 W |
| Output voltage type | DC | Output voltage, max. | 28 V |
| Output voltage, min. | 24 V | Output voltage, note | (adjustable via potentiometer) |
| Overload protection | 105 %..130 % I _{const} of max. output load; automatic reset | Parallel connection option | Recommended with diode module |
| Status relay CO contact | 250 V AC (max. 30 V DC) / 1 A | Surge protection | 30...36 V |
| Wire connection method | Screw connection | | |

General data

| | | | |
|-----------------------------------|---|--|--------------------------------------|
| Building Width | 227.5 mm | Building height | 125 mm |
| Degree of efficiency at max. load | 86% | Depth | 100 mm |
| EMC standards | EN 55011, EN 55022, EN 55024, EN 61000-6-2, 3 | Installation advice | Clearance: above/below ≥ 3 cm |
| Low Voltage Directive | 73/ 23/ EWG | Mounting position, installation notice | horizontally, on terminal rail TS 35 |
| Operating temperature | -10 °C...+70 °C (Derating ab 55 °C) | Short-circuit protection | Yes |
| Standards | DIN EN 60950 (SELV) | Status indication | Green LED |
| Weight | 2 kg | | |

ECOLINE
CP SNT 500W 24V 20A

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

Technical data**Insulation coordination**

| | | | |
|------------------------------------|--------|------------------------------------|------|
| electrical isolation, input-earth | 1.5 kV | electrical isolation, input-output | 3 kV |
| electrical isolation, output-earth | 0.5 kV | | |

Signalling

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

Approvals

Institute (GERMLLOYD)



Certificate No. (GERMLLOYD)

44943-07

Institute (cULus)



Certificate no. (cULus)

E258476VOL1SEC4

Institute (cURus)



Certificate No. (cURus)

E255651-A6-UL-1

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC001039 | UNSPSC | 30-21-18-01 |
| eClass 5.1 | 27-04-90-02 | eClass 6.2 | 27-04-90-04 |
| eClass 7.1 | 27-04-90-04 | | |

Product information

| | |
|---------------------------------|---|
| Descriptive text ordering data | The internal varistor found in a switch-mode power supply does not replace the need for surge protection within a system. |
| Descriptive text technical data | For redundancy operation or to maintain the alert function, only operate with the diode module. |

Approvals

Approvals



| | |
|------|---------|
| ROHS | Conform |
|------|---------|

Downloads

| | |
|---------------------------|--------------------------------------|
| Declaration of Conformity | K472_01_12.pdf |
| PDF | Warranty information |
| 3-D model | |

Creation date October 13, 2013 8:50:39 PM CEST

Catalogue status / We reserve the right to make technical changes.

**ECOLINE
CP SNT 500W 24V 20A**

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

Drawings**Electric symbol**