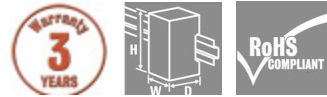


**ECOLINE
CP SNT 120W 24V 5A**

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 120W 24V 5A |
| Order No. | 8708670000 |
| Version | Power supply, switch-mode power supply unit |
| GTIN (EAN) | 403224838083 1 |
| Qty. | 1 pc(s). |

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Technische Daten

Dimensions and weights

| | | | |
|------------|---------|--------|---------|
| Width | 65.5 mm | Height | 125 mm |
| Depth | 110 mm | Weight | 0.65 kg |
| Net weight | 649.6 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 4.0 mm ² | Input current | 3 A @ 115 V AC / 2 A @ 230 V AC |
| Input frequency | 50/ 60 Hz | Input fuse | Fusible link 4 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 | 5 - 8 A Char. C, circuit breaker | Surge protection | Varistor |
| Wire connection method | Screw connection | | |

output

| | | | |
|----------------------------|----------------------------------------------------------------------|--------------------------------|-------------------------------------------|
| Connection range | AWG 26-12 / 0.13 to 4.0 mm ² | Control at 10...100% load | <2% |
| Control at input voltage | 0.5% | Mains failure bridge-over time | 20 ms @ 115 V AC / 20 ms @ 230 V AC |
| Max. capacitance at output | 40000 µF | Max. residual ripple | < 100 mV _{PP} / bandwidth 20 MHz |
| Output current | 5 A | Output power | 120 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 | 29...34 V |
| Wire connection method | Screw connection | | |

General data

| | | | |
|-----------------------------------|-----------------------------------------------|----------------------------------------|--------------------------------------|
| Building Width | 65.5 mm | Building height | 125 mm |
| Degree of efficiency at max. load | 84% | 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) | Power factor correction | No |
| Short-circuit protection | Yes | Standards | DIN EN 60950 (SELV) |
| Status indication | Green LED | Weight | 0.65 kg |

Insulation coordination

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

Erstellungs-Datum January 31, 2014 1:50:49 PM CET

Datenblatt

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Technische Daten

Signalling

Status indication Green LED

Approvals

| | | | |
|-----------------------|-----------------------------------------------------------------------------------|-----------------------------|----------|
| Institute (GERMLLOYD) |  | Certificate No. (GERMLLOYD) | 44943-07 |
| Institute (cULus) |  | Certificate no. (cULus) | E258476 |
| Institute (cURus) |  | Certificate No. (cURus) | E255651 |

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 |
| 3D Modell | |

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Zeichnungen**Electric symbol**