

## Power supply unit - UNO-PS/350-900DC/24DC/60W - 2906300

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Primary-switched UNO POWER power supply with wide-range input for DIN rail mounting, input: 350 ... 900 V DC, output: 24 V DC/2.5 A

### Product Description

UNO POWER power supplies with basic functionality

Thanks to their high power density, compact UNO POWER power supplies are the ideal solution for loads up to 100 W, particularly in compact control boxes. The power supply units are available in various performance classes and overall widths. Their high degree of efficiency and low idling losses ensure a high level of energy efficiency.

### Key Commercial Data

Packing unit	1 pc
Country of origin	Germany

### Technical data

#### Dimensions

Width	55 mm
Height	90 mm
Depth	84 mm

#### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 70 °C (> 55° C derating : 2.5%/K)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Max. permissible relative humidity (operation)	≤ 95 % (at 25 °C, non-condensing)
Noise immunity	EN 61000-6-2:2005

#### Input data

Nominal input voltage range	350 V DC ... 900 V DC
Input voltage range	300 V DC ... 1000 V DC
Dielectric strength maximum	≤ 1050 V DC
Current consumption	0.19 A (350 V DC)
	0.07 A (1000 V DC)

# Power supply unit - UNO-PS/350-900DC/24DC/60W - 2906300

## Technical data

### Input data

Inrush surge current	< 1 A (typical)
Choice of suitable circuit breakers	1 A (Characteristic gPV or comparable)

### Output data

Nominal output voltage	24 V DC $\pm 1\%$
Nominal output current ( $I_N$ )	2.5 A
Derating	55 °C ... 70 °C (2.5%/K)
Control deviation	< 1 % (change in load, static 10 % ... 90 %)
	< 3 % (Dynamic load change 10 % ... 90 %, 10 Hz)
	< 0.1 % (change in input voltage $\pm 10\%$ )
Residual ripple	< 20 mV <sub>PP</sub> (with nominal values)
Output power	60 W
Maximum power dissipation in no-load condition	< 0.5 W
Power loss nominal load max.	< 6.5 W

### General

Net weight	0.3 kg
Efficiency	> 90 %
Insulation voltage input/output	4 kV AC (type test)
	3 kV AC (routine test)
Protection class	II
Mounting position	horizontal DIN rail NS 35, EN 60715
Assembly instructions	Alignable: 0 mm horizontally, 30 mm vertically

### Connection data, input

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14
Stripping length	8 mm
Screw thread	M3

### Connection data, output

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>

# Power supply unit - UNO-PS/350-900DC/24DC/60W - 2906300

## Technical data

### Connection data, output

Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14
Stripping length	8 mm
Screw thread	M3

## Classifications

### eCl@ss

eCl@ss 5.1	27242213
eCl@ss 6.0	27049005
eCl@ss 8.0	27049002
eCl@ss 9.0	27040701

### ETIM

ETIM 5.0	EC002540
----------	----------

## Approvals

### Approvals

---

#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

---

#### Ex Approvals

---

#### Approvals submitted

---

## Approval details

UL Recognized
---------------

cUL Recognized
----------------

## Power supply unit - UNO-PS/350-900DC/24DC/60W - 2906300

### Approvals

EAC

cULus Recognized 