

# UNO2-PS/1AC/24DC/480W - Power supply



2910105

<https://www.phoenixcontact.com/us/products/2910105>

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 documentation. Our general terms of use for downloads are valid.



Primary-switched power supply unit UNO POWER, Screw connection, DIN rail mounting, input: 1-phase, output: 24 V DC / 20 A, adjustable from 24 V DC ... 28 V DC

## Product description

UNO POWER power supplies with basic functionality.

Thanks to their high power density, compact UNO POWER power supplies offer the ideal solution for loads up to 960 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.

## Your advantages

- Save space in the control cabinet, thanks to an extremely narrow overall width of just 59 mm
- Save energy, thanks to a high degree of efficiency
- Outdoor installation possible, with a wide temperature range of -25°C ... +70°C
- Simple output voltage monitoring, thanks to the floating DC OK relay contact



## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2910105       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | CM15          |
| Product key                          | CMPV13        |
| GTIN                                 | 4055626456652 |
| Weight per piece (including packing) | 1,261 g       |
| Weight per piece (excluding packing) | 1,084 g       |

# UNO2-PS/1AC/24DC/480W - Power supply



2910105

<https://www.phoenixcontact.com/us/products/2910105>

|                       |          |
|-----------------------|----------|
| Customs tariff number | 85044095 |
| Country of origin     | TH       |

## Technical data

### Input data

#### AC operation

|                                          |                                                                              |
|------------------------------------------|------------------------------------------------------------------------------|
| Supply system configuration              | Star network (TN, TT, IT (PE))                                               |
| Nominal input voltage range              | 100 V AC ... 240 V AC                                                        |
| Input voltage range                      | 100 V AC ... 240 V AC -15 % ... +10 %                                        |
| Derating                                 | < 90 V AC (1 %/V)                                                            |
| Typical national grid voltage            | 120 V AC<br>230 V AC                                                         |
| Voltage type of supply voltage           | AC                                                                           |
| Inrush current                           | typ. 15 A (at 25 °C)                                                         |
| Inrush current integral ( $I^2t$ )       | < 1 A <sup>2</sup> s                                                         |
| Frequency range ( $f_N$ )                | 50 Hz ... 60 Hz $\pm$ 10 %                                                   |
| Mains buffering time                     | typ. 17 ms (120 V AC)<br>typ. 18 ms (230 V AC)                               |
| Current consumption                      | 5.4 A (100 V AC)<br>4.4 A (120 V AC)<br>2.3 A (230 V AC)<br>2.2 A (240 V AC) |
| Nominal power consumption                | 533 VA                                                                       |
| Protective circuit                       | Transient surge protection; Varistor, gas-filled surge arrester              |
| Switch-on time                           | typ. 1 s                                                                     |
| Device mains fuse                        | 8 A internal (device protection), fast-blow                                  |
| Recommended breaker for input protection | 10 A ... 16 A (Characteristic B, C, D, K or comparable)                      |
| Discharge current to PE                  | < 3.5 mA                                                                     |

### Output data

|                                                    |                                                               |
|----------------------------------------------------|---------------------------------------------------------------|
| Efficiency                                         | typ. 93 % (120 V AC)<br>typ. 94.6 % (230 V AC)                |
| Nominal output voltage                             | 24 V DC                                                       |
| Setting range of the output voltage ( $U_{Set}$ )  | 24 V DC ... 28 V DC (> 24 V DC, constant capacity restricted) |
| Nominal output current ( $I_N$ )                   | 20 A                                                          |
| Short-circuit-proof                                | yes                                                           |
| No-load proof                                      | yes                                                           |
| Derating                                           | 55 °C ... 70 °C                                               |
| Crest factor                                       | typ. 1.667 (120 V AC)<br>typ. 1.75 (230 V AC)                 |
| Output power ( $P_N$ )                             | 480 W                                                         |
| Connection in parallel                             | yes, for redundancy                                           |
| Connection in series                               | yes, for increased output voltage                             |
| Feedback voltage resistance                        | $\leq$ 35 V DC                                                |
| Protection against overvoltage at the output (OVP) | $\leq$ 35 V DC                                                |

## UNO2-PS/1AC/24DC/480W - Power supply



2910105

<https://www.phoenixcontact.com/us/products/2910105>

|                                        |                                                |
|----------------------------------------|------------------------------------------------|
| Residual ripple                        | typ. 70 mV <sub>PP</sub> (with nominal values) |
| Control deviation                      | < 1 % (change in load, static 10 % ... 90 %)   |
|                                        | < 3 % (change in load, dynamic 10 % ... 90 %)  |
|                                        | < 0.1 % (change in input voltage ±10 %)        |
| Rise time                              | < 1 s (U <sub>Out</sub> = 10 % ... 90 %)       |
| Minimum no-load power dissipation      | < 2.9 W (120 V AC)                             |
| Maximum no-load power dissipation      | < 3 W (230 V AC)                               |
| Minimum nominal load power dissipation | < 37 W (120 V AC)                              |
| Power loss nominal load max.           | < 28 W (230 V AC)                              |
| Integrated fuse protection             | no                                             |
| Fuse protection (secondary side)       | electronic                                     |
|                                        | thermal-magnetic                               |
|                                        | thermal                                        |

## Connection data

Input

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Position       | 1.x                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Identification | 1.1 (        ), 1.3 (N) |

### Conductor connection

|                                              |                                                   |
|----------------------------------------------|---------------------------------------------------|
| Connection method                            | Screw connection                                  |
| rigid                                        | 0.2 mm² ... 6 mm²                                 |
| flexible                                     | 0.2 mm² ... 4 mm²                                 |
| flexible with ferrule without plastic sleeve | 0.25 mm² ... 4 mm²                                |
| flexible with ferrule with plastic sleeve    | 0.25 mm² ... 4 mm²                                |
| rigid (AWG)                                  | 24 ... 10 (Cu)                                    |
| AWG                                          | 24 ... 10 (Cu)                                    |
| Stripping length                             | 8 mm                                              |
| Tightening torque (EU)                       | 0.5 Nm ... 0.6 Nm                                 |
| Tightening torque ( )                        | 4 lb <sub>F</sub> -in. ... 5 lb <sub>F</sub> -in. |
| Drive form screw head                        | Slotted L                                         |
| Screwdriver blade                            | 0.6 x 3.5 mm                                      |

### Output

|                |                            |
|----------------|----------------------------|
| Position       | 2.x                        |
| Identification | 2.1, 2.2 (+), 2.3, 2.4 (-) |

### Conductor connection

| Connection method                            | Screw connection   |
|----------------------------------------------|--------------------|
| rigid                                        | 0.2 mm² ... 6 mm²  |
| flexible                                     | 0.2 mm² ... 4 mm²  |
| flexible with ferrule without plastic sleeve | 0.25 mm² ... 4 mm² |
| flexible with ferrule with plastic sleeve    | 0.25 mm² ... 4 mm² |
| rigid (AWG)                                  | 24 ... 10 (Cu)     |
| AWG                                          | 24 ... 10 (Cu)     |

# UNO2-PS/1AC/24DC/480W - Power supply



2910105

<https://www.phoenixcontact.com/us/products/2910105>

|                        |                                                   |
|------------------------|---------------------------------------------------|
| Stripping length       | 8 mm                                              |
| Tightening torque (EU) | 0.5 Nm ... 0.6 Nm                                 |
| Tightening torque ( )  | 4 lb <sub>F</sub> -in. ... 5 lb <sub>F</sub> -in. |
| Drive form screw head  | Slotted L                                         |
| Screwdriver blade      | 0.6 x 3.5 mm                                      |

## Signal

|                |                    |
|----------------|--------------------|
| Position       | 3.x                |
| Identification | 3.1 (13), 3.2 (14) |

## Conductor connection

|                                              |                                                   |
|----------------------------------------------|---------------------------------------------------|
| Connection method                            | Screw connection                                  |
| rigid                                        | 0.2 mm <sup>2</sup> ... 6 mm <sup>2</sup>         |
| flexible                                     | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>         |
| flexible with ferrule without plastic sleeve | 0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>        |
| flexible with ferrule with plastic sleeve    | 0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>        |
| AWG                                          | 24 ... 10 (Cu)                                    |
| Stripping length                             | 8 mm                                              |
| Tightening torque (EU)                       | 0.5 Nm ... 0.6 Nm                                 |
| Tightening torque ( )                        | 4 lb <sub>F</sub> -in. ... 5 lb <sub>F</sub> -in. |
| Drive form screw head                        | Slotted L                                         |
| Screwdriver blade                            | 0.6 x 3.5 mm                                      |

## Signaling

### LED signaling

|                                                  |                                                                                  |
|--------------------------------------------------|----------------------------------------------------------------------------------|
| Types of signaling                               | LED DC OK - signal state operation ( $U_N = 24 \text{ V DC}$ , $I_{OUT} = I_N$ ) |
| Function                                         | Visual operating state display                                                   |
| Color                                            | green                                                                            |
| LED off                                          | Supply voltage input AC not present (Off)                                        |
| LED on (green), DC OK                            | $U_{OUT} > 0,9 \times U_N$ (On (green), DC OK)                                   |
| LED on (flashing green) DC OK $< 0,9 \times U_N$ | $U_{OUT} < 0,9 \times U_N$ (on (flashing green))                                 |

### Signal output Relay 13/14

|                                  |                                                                                             |
|----------------------------------|---------------------------------------------------------------------------------------------|
| Position                         | 3.x                                                                                         |
| Type of signaling                | DC OK switch contact - signal state operation ( $U_N = 24 \text{ V DC}$ , $I_{OUT} = I_N$ ) |
| Position marking                 | 3.1 (13), 3.2 (14)                                                                          |
| Function                         | Operating state forwarding                                                                  |
| Switch contact (floating)        | OptoMOS                                                                                     |
| Switching voltage                | max. 30 V AC/DC<br>max. 60 V DC                                                             |
| Current carrying capacity        | max. 50 mA                                                                                  |
| State condition (Contact closed) | $U_{OUT} > 0,9 \times U_N$ (Contact closed)                                                 |
| State condition (Contact open)   | $U_{OUT} < 0,9 \times U_N$ (Contact open)                                                   |

# UNO2-PS/1AC/24DC/480W - Power supply



2910105

<https://www.phoenixcontact.com/us/products/2910105>

## Electrical properties

|                                 |                          |
|---------------------------------|--------------------------|
| Number of phases                | 1                        |
| Insulation voltage input/output | 4 kV AC (type test)      |
|                                 | 3 kV AC (routine test)   |
| Insulation voltage input / PE   | 3.5 kV AC (type test)    |
|                                 | 2.4 kV AC (routine test) |

## Product properties

|                                    |                           |
|------------------------------------|---------------------------|
| Product type                       | Power supply              |
| Product family                     | UNO POWER                 |
| MTBF (IEC 61709, SN 29500)         | > 900000 h (25 °C)        |
|                                    | > 530000 h (40 °C)        |
|                                    | > 280000 h (55 °C)        |
| Environmental protection directive | RoHS Directive 2011/65/EU |
|                                    | WEEE                      |
|                                    | Reach                     |

## Insulation characteristics

|                                   |                      |
|-----------------------------------|----------------------|
| Protection class                  | I                    |
| Overvoltage category (EN 61010-1) | II ( $\leq 3000$ m)  |
| Overvoltage category (EN 62477-1) | III ( $\leq 3000$ m) |
| Degree of pollution               | 2                    |

## Life expectancy (electrolytic capacitors)

|                 |          |
|-----------------|----------|
| Temperature     | 40 °C    |
| Additional text | 120 V AC |

## Life expectancy (electrolytic capacitors)

|                 |          |
|-----------------|----------|
| Temperature     | 40 °C    |
| Additional text | 230 V AC |

## Life expectancy (electrolytic capacitors)

|                 |          |
|-----------------|----------|
| Temperature     | 40 °C    |
| Additional text | 120 V AC |

## Life expectancy (electrolytic capacitors)

|                 |          |
|-----------------|----------|
| Temperature     | 40 °C    |
| Additional text | 230 V AC |

## Life expectancy (electrolytic capacitors)

|                 |          |
|-----------------|----------|
| Temperature     | 40 °C    |
| Additional text | 120 V AC |

## Life expectancy (electrolytic capacitors)

|                 |          |
|-----------------|----------|
| Temperature     | 40 °C    |
| Additional text | 230 V AC |

# UNO2-PS/1AC/24DC/480W - Power supply



2910105

<https://www.phoenixcontact.com/us/products/2910105>

## Life expectancy (electrolytic capacitors)

|                 |          |
|-----------------|----------|
| Temperature     | 25 °C    |
| Additional text | 120 V AC |

## Life expectancy (electrolytic capacitors)

|                 |          |
|-----------------|----------|
| Temperature     | 25 °C    |
| Additional text | 230 V AC |

## Dimensions

### Item dimensions

|                                          |                                           |
|------------------------------------------|-------------------------------------------|
| Width                                    | 59 mm                                     |
| Height                                   | 130 mm                                    |
| Depth                                    | 129 mm                                    |
| Depth (Device depth (DIN rail mounting)) | 125 mm (Device depth (DIN rail mounting)) |

### Installation dimensions

|                                                    |               |
|----------------------------------------------------|---------------|
| Installation distance right/left (active, passive) | 0 mm / 0 mm   |
| Installation distance top/bottom (active, passive) | 30 mm / 30 mm |

## Mounting

|                         |                                                |
|-------------------------|------------------------------------------------|
| Mounting type           | DIN rail mounting                              |
| Assembly note           | alignable: 0 mm horizontally, 30 mm vertically |
| Mounting position       | horizontal DIN rail NS 35, EN 60715            |
| With protective coating | no                                             |

## Material specifications

|                                        |                                             |
|----------------------------------------|---------------------------------------------|
| Flammability rating according to UL 94 | V0 (Housing, terminal blocks)               |
| Housing material                       | Metal                                       |
| Housing material                       | Aluminum (AlMg3) / sheet steel, zinc-plated |
| Hood version                           | Stainless steel                             |
| Side element version                   | Aluminum                                    |
| Foot latch material                    | Sheet steel, zinc-plated                    |

## Environmental and real-life conditions

### 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                                   |
| Ambient temperature (start-up type tested)     | -40 °C                                             |
| Maximum altitude                               | ≤ 3000 m (> 2000 m, Derating: 10 %/1000 m)         |
| Climatic class                                 | 3K22 (in accordance with EN 60721)                 |
| Max. permissible relative humidity (operation) | ≤ 95 % (at 25 °C, non-condensing)                  |
| Shock (operation)                              | 18 ms, 30g, per spatial direction (IEC 60068-2-27) |
| Vibration (operation)                          | 10 Hz ... 50 Hz, amplitude ±0.2 mm (IEC 60068-2-6) |

# UNO2-PS/1AC/24DC/480W - Power supply



2910105

<https://www.phoenixcontact.com/us/products/2910105>

|           |                                                |
|-----------|------------------------------------------------|
|           | 50 Hz ... 150 Hz, 2.3g, 90 min.                |
| Temp code | T4 (-25°C ... +70°C; >55°C, derating: 2.5 %/K) |

## Standards and regulations

### Safety of power supply units up to 1100 V (insulation distances)

|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| Standard designation     | Safety of power supply units up to 1100 V (insulation distances) |
| Standards/specifications | DIN EN 61558-2-16                                                |

### Electrical safety

|                          |                        |
|--------------------------|------------------------|
| Standard designation     | Electrical safety      |
| Standards/specifications | IEC 61010-2-201 (SELV) |

### Safety for measurement, control, and laboratory equipment

|                          |                                                                   |
|--------------------------|-------------------------------------------------------------------|
| Standard designation     | Safety for equipment for measurement, control, and laboratory use |
| Standards/specifications | IEC 61010-1                                                       |

### Protective extra-low voltage

|                          |                              |
|--------------------------|------------------------------|
| Standard designation     | Protective extra-low voltage |
| Standards/specifications | IEC 61010-1 (SELV)           |
|                          | IEC 61010-2-201 (PELV)       |

### Safe isolation

|                          |                 |
|--------------------------|-----------------|
| Standard designation     | Safe isolation  |
| Standards/specifications | IEC 61558-2-16  |
|                          | IEC 61010-2-201 |

### Limitation of harmonic line currents

|                          |                                      |
|--------------------------|--------------------------------------|
| Standard designation     | Limitation of harmonic line currents |
| Standards/specifications | EN 61000-3-2                         |

### Mains voltage dips

|                          |                                                                             |
|--------------------------|-----------------------------------------------------------------------------|
| Standard designation     | Requirement of the semiconductor industry with regard to mains voltage dips |
| Standards/specifications | SEMI F47 - 0706 (180 V AC)                                                  |

## Approvals

### UL

|                |                           |
|----------------|---------------------------|
| Identification | UL/C-UL Listed UL 61010-1 |
|----------------|---------------------------|

### UL

|                |                               |
|----------------|-------------------------------|
| Identification | UL/C-UL Listed UL 61010-2-201 |
|----------------|-------------------------------|

### UL

|                |                                                                                           |
|----------------|-------------------------------------------------------------------------------------------|
| Identification | UL/C-UL Listed ANSI/UL 121201 Class I, Division 2, Groups A, B, C, D (Hazardous Location) |
|----------------|-------------------------------------------------------------------------------------------|

### SIQ

# UNO2-PS/1AC/24DC/480W - Power supply



2910105

<https://www.phoenixcontact.com/us/products/2910105>

|                |                                          |
|----------------|------------------------------------------|
| Identification | CB scheme (IEC 61010-1, IEC 61010-2-201) |
|----------------|------------------------------------------|

## EMC data

|                                     |                                                                                                                  |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Electromagnetic compatibility       | Conformance with EMC Directive 2014/30/EU                                                                        |
| Low Voltage Directive               | Conformance with Low Voltage Directive 2014/35/EC                                                                |
| Interference emission               | Interference emission in accordance with EN 61000-6-3 (residential and commercial) and EN 61000-6-4 (industrial) |
| EMC requirements for noise immunity | EN 61000-6-2                                                                                                     |

### Conducted noise emission

|                       |                        |
|-----------------------|------------------------|
| Standards/regulations | EN 55016               |
|                       | EN 61000-6-3 (Class B) |

### Noise emission

|                       |                        |
|-----------------------|------------------------|
| Standards/regulations | EN 55016               |
|                       | EN 61000-6-3 (Class B) |

### Harmonic currents

|                       |                        |
|-----------------------|------------------------|
| Standards/regulations | EN 61000-3-2           |
|                       | EN 61000-3-2 (Class A) |
| Frequency range       | 0 kHz ... 2 kHz        |

### Flicker

|                       |                 |
|-----------------------|-----------------|
| Standards/regulations | EN 61000-3-3    |
| Frequency range       | 0 kHz ... 2 kHz |

### Electrostatic discharge

|                       |              |
|-----------------------|--------------|
| Standards/regulations | EN 61000-4-2 |
|-----------------------|--------------|

### Electrostatic discharge

|                   |                     |
|-------------------|---------------------|
| Contact discharge | 6 kV (Test Level 3) |
| Discharge in air  | 8 kV (Test Level 3) |
| Comments          | Criterion A         |

### Electromagnetic HF field

|                       |              |
|-----------------------|--------------|
| Standards/regulations | EN 61000-4-3 |
|-----------------------|--------------|

### Electromagnetic HF field

|                     |                       |
|---------------------|-----------------------|
| Frequency range     | 80 MHz ... 1 GHz      |
| Test field strength | 10 V/m (Test Level 3) |
| Frequency range     | 1 GHz ... 6 GHz       |
| Test field strength | 10 V/m (Test Level 3) |
| Comments            | Criterion A           |

### Fast transients (burst)

|                       |              |
|-----------------------|--------------|
| Standards/regulations | EN 61000-4-4 |
|-----------------------|--------------|

### Fast transients (burst)

|       |                                    |
|-------|------------------------------------|
| Input | 4 kV (Test Level 4 - asymmetrical) |
|-------|------------------------------------|

# UNO2-PS/1AC/24DC/480W - Power supply



2910105

<https://www.phoenixcontact.com/us/products/2910105>

|          |                                    |
|----------|------------------------------------|
| Output   | 2 kV (Test Level 3 - asymmetrical) |
| Comments | Criterion A                        |

## Surge voltage load (surge)

|                       |              |
|-----------------------|--------------|
| Standards/regulations | EN 61000-4-5 |
|-----------------------|--------------|

## Surge voltage load (surge)

|          |                                    |
|----------|------------------------------------|
| Input    | 2 kV (Test Level 4 - symmetrical)  |
|          | 4 kV (Test Level 4 - asymmetrical) |
| Output   | 1 kV (Test Level 3 - symmetrical)  |
|          | 2 kV (Test Level 3 - asymmetrical) |
| Comments | Criterion A                        |

## Conducted interference

|                       |              |
|-----------------------|--------------|
| Standards/regulations | EN 61000-4-6 |
|-----------------------|--------------|

## Conducted interference

|                 |                     |
|-----------------|---------------------|
| Input/Output    | asymmetrical        |
| Frequency range | 0.15 MHz ... 80 MHz |
| Comments        | Criterion A         |
| Voltage         | 10 V (Test Level 3) |

## Voltage dips

|                       |                 |
|-----------------------|-----------------|
| Standards/regulations | EN 61000-4-11   |
| Voltage               | 230 V AC        |
| Frequency             | 50 Hz           |
| Voltage dip           | 70 %            |
| Number of periods     | 25 / 30 periods |
| Comments              | Criterion A     |
| Voltage dip           | 40 %            |
| Number of periods     | 12 periods      |
| Additional text       | Test Level 2    |
| Comments              | Criterion A     |
| Voltage dip           | 0 %             |
| Number of periods     | 1 period        |
| Additional text       | Test Level 2    |
| Comments              | Criterion B     |

## Criteria

|             |                                                                                      |
|-------------|--------------------------------------------------------------------------------------|
| Criterion A | Normal operating behavior within the specified limits.                               |
| Criterion B | Temporary impairment to operational behavior that is corrected by the device itself. |

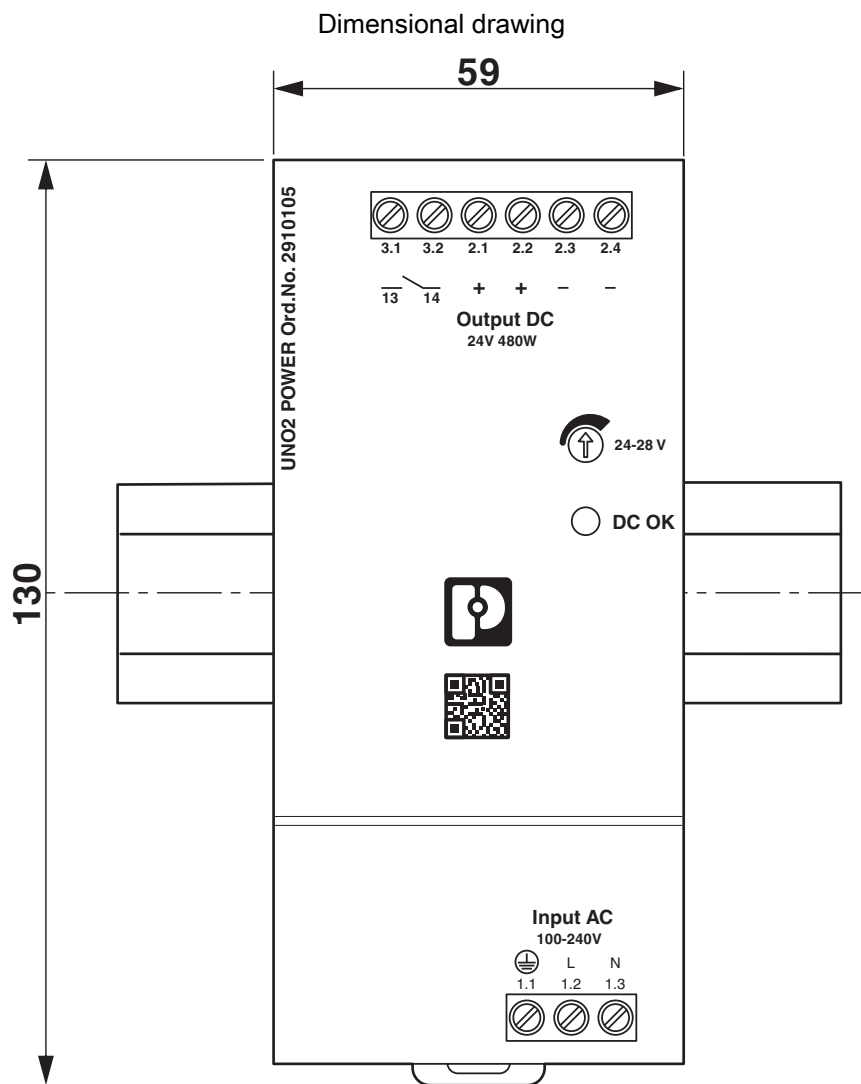
# UNO2-PS/1AC/24DC/480W - Power supply

2910105

<https://www.phoenixcontact.com/us/products/2910105>



## Drawings



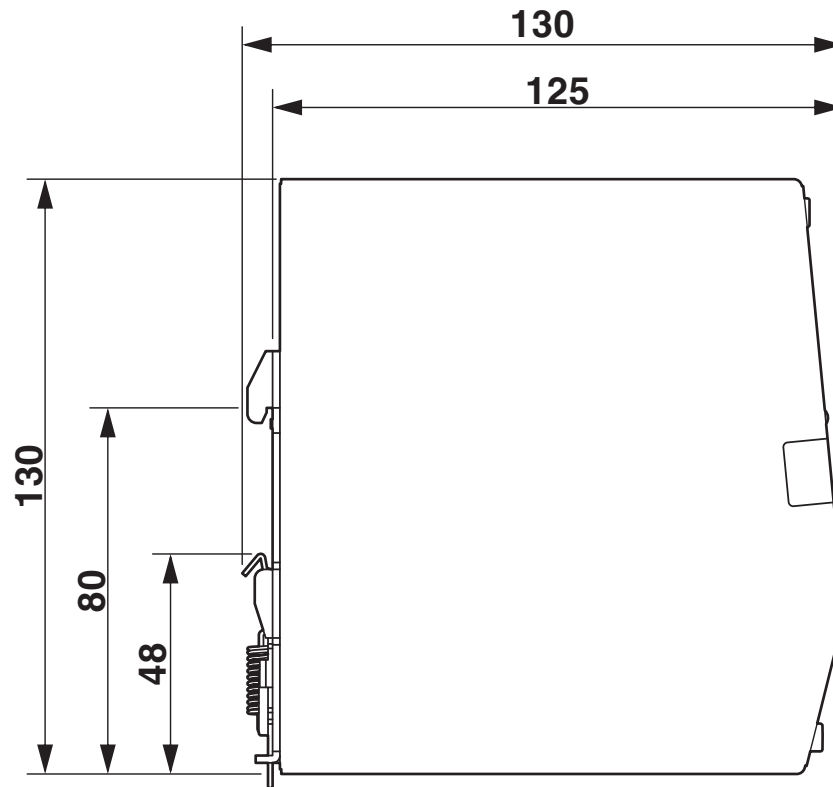
# UNO2-PS/1AC/24DC/480W - Power supply

2910105

<https://www.phoenixcontact.com/us/products/2910105>

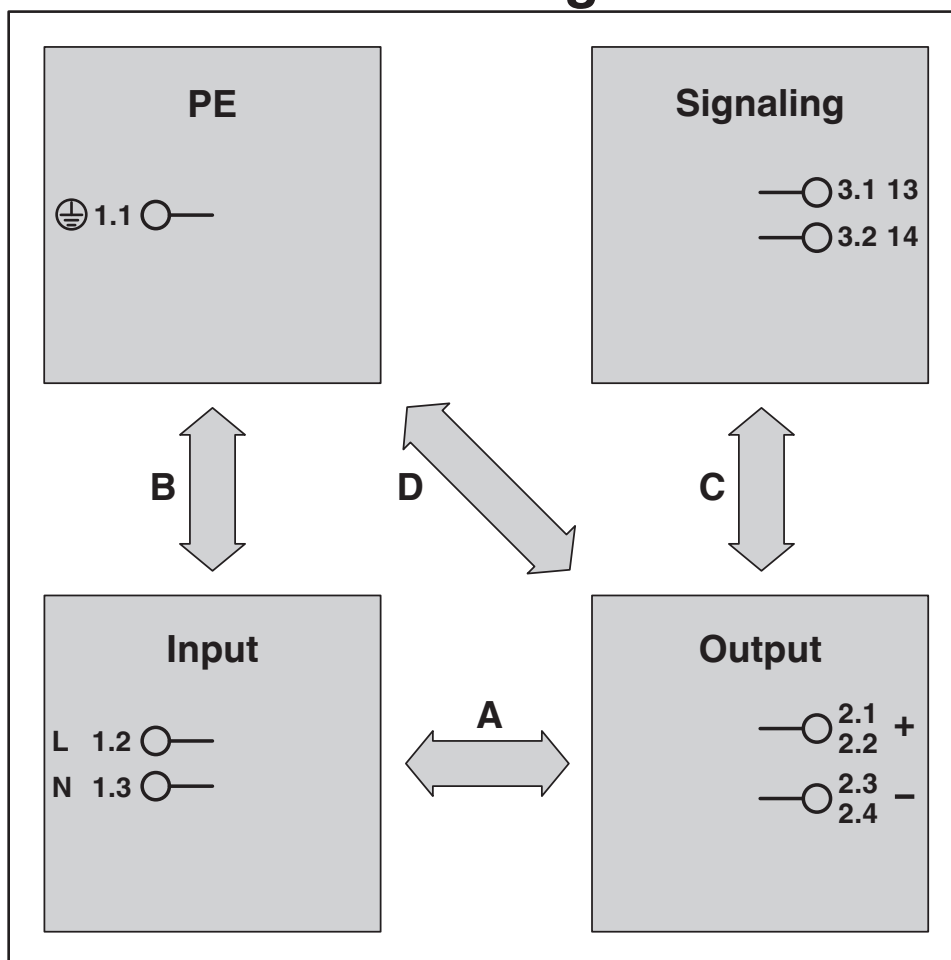


Dimensional drawing

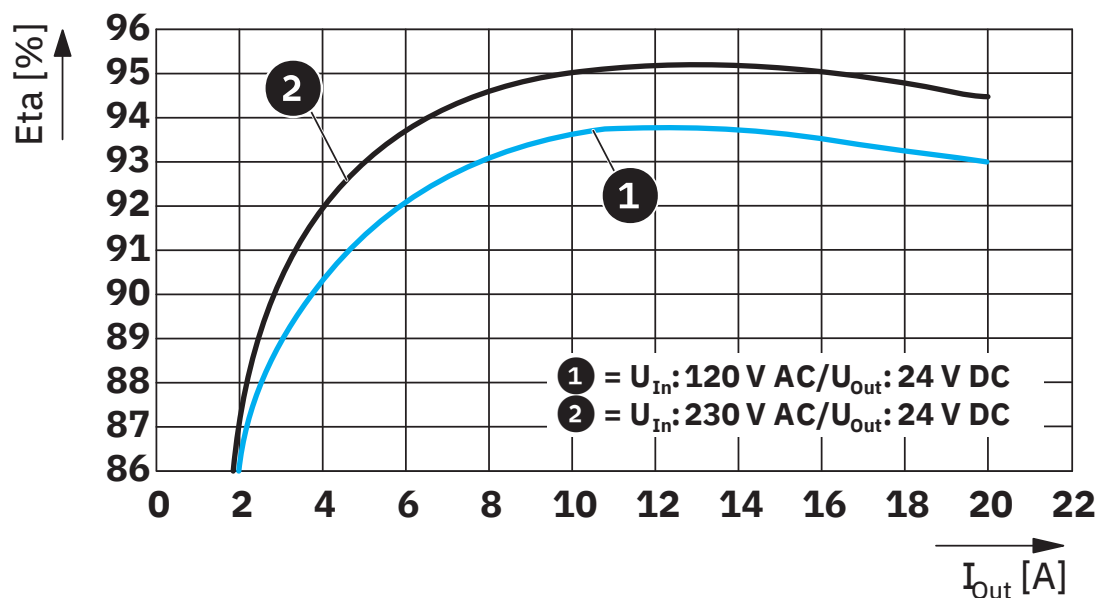


Schematic diagram

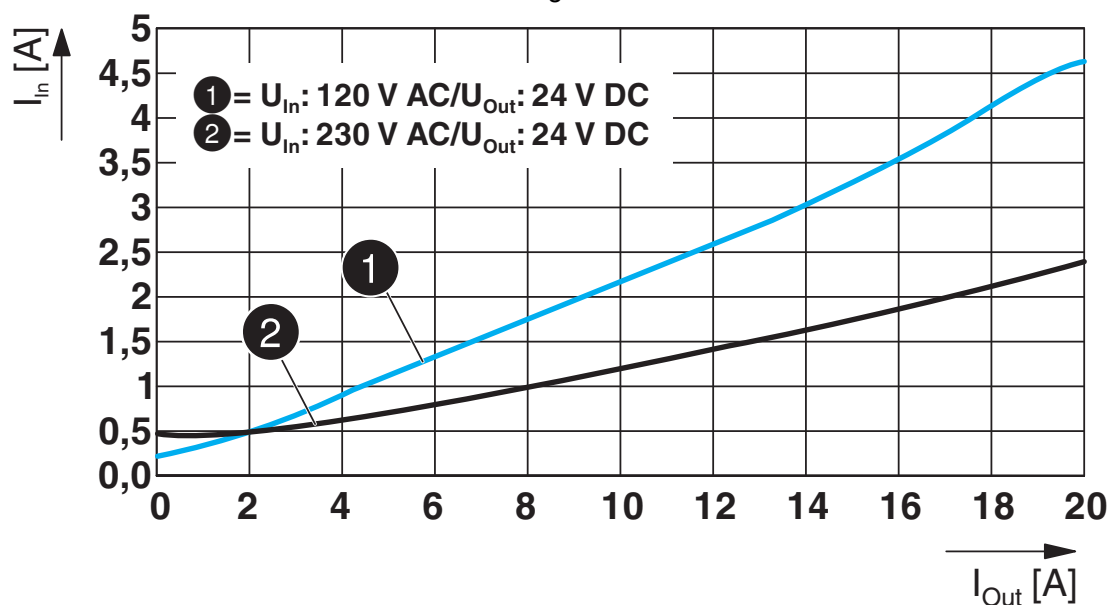
## Housing

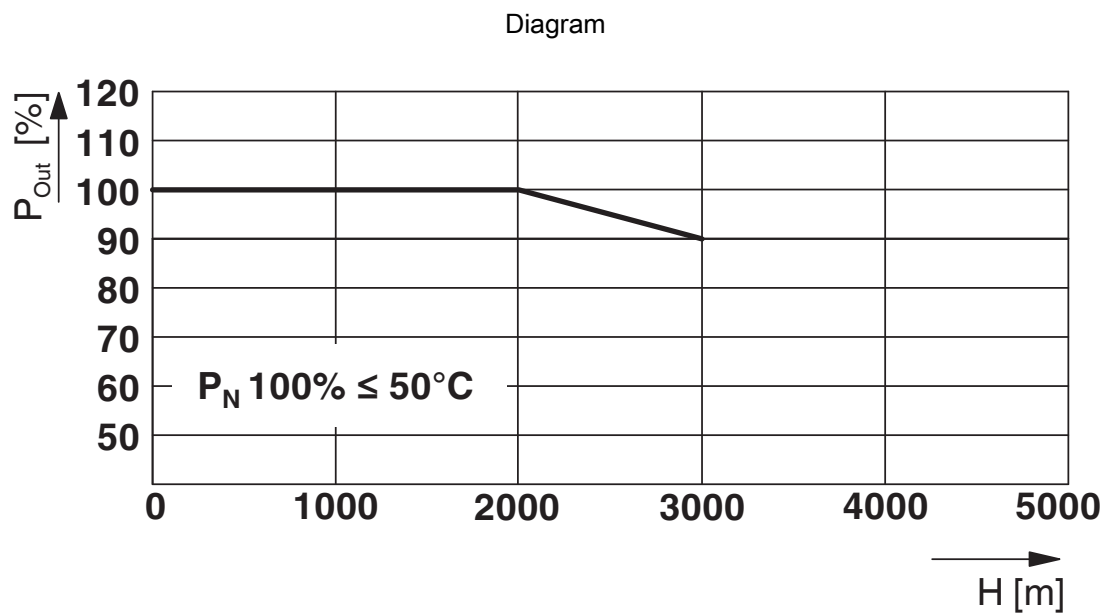
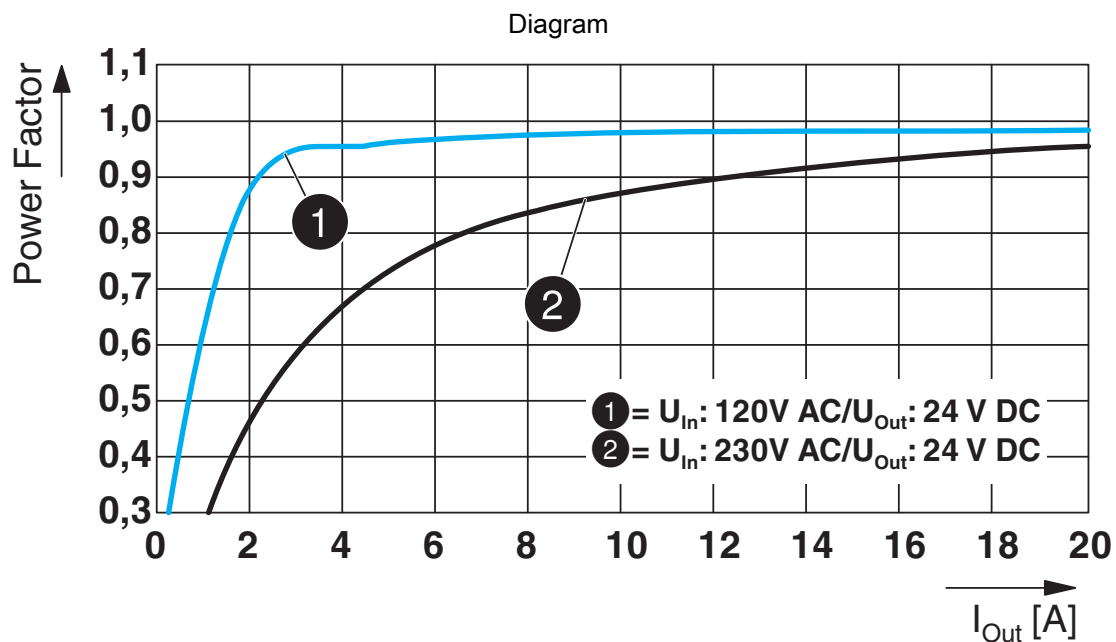


Diagram



Diagram



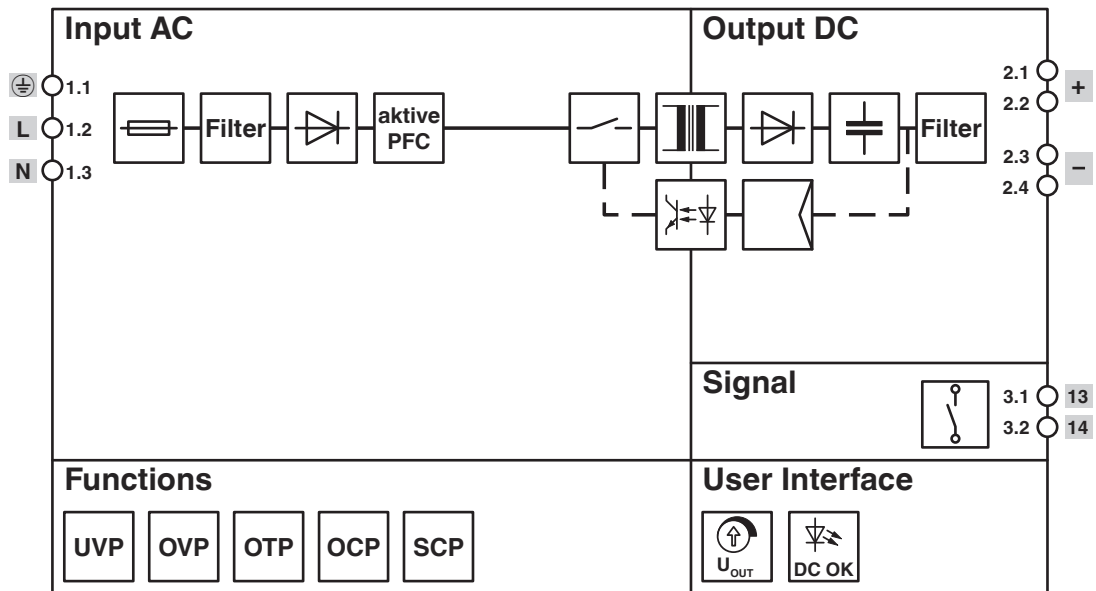


UNO2-PS/1AC/24DC/480W - Power supply



2910105  
<https://www.phoenixcontact.com/us/products/2910105>

Block diagram



# UNO2-PS/1AC/24DC/480W - Power supply



2910105

<https://www.phoenixcontact.com/us/products/2910105>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2910105>



### IECEE CB Scheme

Approval ID: SI-8862



### UL Listed

Approval ID: E123528



### cUL Listed

Approval ID: E123528



### EAC

Approval ID: RU S-DE.BL08.W.00764



### cUL Listed

Approval ID: E199827



### UL Listed

Approval ID: E199827

# UNO2-PS/1AC/24DC/480W - Power supply



2910105

<https://www.phoenixcontact.com/us/products/2910105>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27040701 |
| ECLASS-15.0 | 27040701 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002540 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121000 |
|-------------|----------|

## Environmental product compliance

### EU RoHS

|                                         |              |
|-----------------------------------------|--------------|
| Fulfills EU RoHS substance requirements | Yes          |
| Exemption                               | 7(a), 7(c)-I |

### China RoHS

|                                        |                                                                                                                                                                                                                                   |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environment friendly use period (EFUP) | EFUP-25                                                                                                                                                                                                                           |
|                                        | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1)                 |
| SCIP                                | 73c1ec9c-e95e-4452-8f4b-8bfe396d6c7e |

### EF3.1 Climate Change

|         |                |
|---------|----------------|
| CO2e kg | 37.414 kg CO2e |
|---------|----------------|

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)