

# UNO2-PS/1AC/24DC/30W/PT - Power supply



1399932

<https://www.phoenixcontact.com/us/products/1399932>

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Primary-switched power supply unit UNO POWER, Push-in connection, DIN rail mounting, input: 1-phase, output: 24 V DC / 1.3 A, adjustable from 24 V DC ... 29 V DC

## Product description

UNO POWER – compact, high-efficiency power supply

The UNO POWER power supplies are the ideal solution for industrial applications where compact design and reliable performance are required. With a high power density and basic functionality, the AC/DC power supply units reliably supply loads with constant load behavior – and at powers ranging from 25 W to 960 W.

The new generation up to 90 W also impresses with Push-in connection technology and an extended input voltage range up to 277 V AC, which makes installation even easier and more flexible.

## Your advantages

- Save space in the control cabinet thanks to an extremely narrow overall width
- Save energy, thanks to a high degree of efficiency
- Outdoor installation possible, with a wide temperature range of -25°C ... +70°C

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1399932       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | CM15          |
| Product key                          | CMPV13        |
| GTIN                                 | 4063151786328 |
| Weight per piece (including packing) | 164 g         |
| Weight per piece (excluding packing) | 124 g         |
| Customs tariff number                | 85044095      |
| Country of origin                    | VN            |

## Technical data

### Input data

#### AC operation

|                                          |                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------|
| Supply system configuration              | TN, TT, IT (PE)                                                                |
| Nominal input voltage range              | 100 V AC ... 277 V AC                                                          |
| Input voltage range                      | 100 V AC ... 277 V AC -15 % ... +10 %<br>110 V AC ... 277 V AC $\pm 10$ % (UL) |
| Derating                                 | < 100 V AC (1 %/V)                                                             |
| Typical national grid voltage            | 120 V AC<br>230 V AC                                                           |
| Voltage type of supply voltage           | AC                                                                             |
| Inrush current                           | typ. 35 A (at 25 °C)                                                           |
| Inrush current integral ( $I^2t$ )       | < 0.3 A <sup>2</sup> s                                                         |
| Frequency range ( $f_N$ )                | 50 Hz ... 60 Hz $\pm 10$ %                                                     |
| Mains buffering time                     | typ. 18 ms (120 V AC)<br>typ. 90 ms (230 V AC)                                 |
| Current consumption                      | 0.58 A (100 V AC)<br>0.28 A (277 V AC)                                         |
| Protective circuit                       | Transient surge protection; Varistor                                           |
| Switch-on time                           | typ. 1 s                                                                       |
| Device mains fuse                        | 4 A internal (device protection), slow-blow                                    |
| Recommended breaker for input protection | 6 A ... 16 A (Characteristic B, C, D, K or comparable)                         |
| Discharge current to PE                  | < 0.25 mA                                                                      |

#### DC operation

|                                |                                                                           |
|--------------------------------|---------------------------------------------------------------------------|
| Input voltage range            | 110 V DC ... 250 V DC $\pm 20$ %<br>125 V DC ... 250 V DC $\pm 10$ % (UL) |
| Derating                       | < 110 V DC (1 %/V)                                                        |
| Voltage type of supply voltage | DC                                                                        |
| Current consumption            | 0.3 A (110 V DC)<br>0.13 A (250 V DC)                                     |

### Output data

|                                                   |                                                               |
|---------------------------------------------------|---------------------------------------------------------------|
| Efficiency                                        | typ. 90.5 % (120 V AC)<br>typ. 91.9 % (230 V AC)              |
| Nominal output voltage                            | 24 V DC                                                       |
| Setting range of the output voltage ( $U_{Set}$ ) | 24 V DC ... 29 V DC (> 24 V DC, constant capacity restricted) |
| Nominal output current ( $I_N$ )                  | 1.3 A                                                         |
| Output current range                              | 1 A ... 1.25 A                                                |
| Short-circuit-proof                               | yes                                                           |
| Crest factor                                      | typ. 3.21 (120 V AC)<br>typ. 4.23 (230 V AC)                  |

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|                                                    |                                                     |
|----------------------------------------------------|-----------------------------------------------------|
| Output power ( $P_N$ )                             | 30 W                                                |
| Connection in parallel                             | yes, for increasing power and redundancy with diode |
| Connection in series                               | yes, for increased output voltage                   |
| Feedback voltage resistance                        | $\leq 35 \text{ V DC}$                              |
| Protection against overvoltage at the output (OVP) | $\leq 35 \text{ V DC}$                              |
| Residual ripple                                    | typ. 60 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 $\pm 10 \%$ )      |
| Rise time                                          | < 1 s ( $U_{\text{Out}} = 10 \% \dots 90 \%$ )      |
| Minimum no-load power dissipation                  | < 0.16 W (120 V AC)                                 |
| Maximum no-load power dissipation                  | < 0.26 W (230 V AC)                                 |
| Minimum nominal load power dissipation             | < 3.2 W (120 V AC)                                  |
| Power loss nominal load max.                       | < 2.7 W (230 V AC)                                  |
| Short-circuit current                              | 2 A                                                 |
| Integrated fuse protection                         | no                                                  |
| Fuse protection (secondary side)                   | electronic                                          |

## Connection data

### Input

|                |                  |
|----------------|------------------|
| Position       | 1.x              |
| Identification | 1.1 (L), 1.2 (N) |

### Conductor connection

|                                                               |                                                                 |
|---------------------------------------------------------------|-----------------------------------------------------------------|
| Connection method                                             | Push-in connection                                              |
| rigid (Terminal block)                                        | 0.75 mm <sup>2</sup> ... 4 mm <sup>2</sup> (Push-in connection) |
| rigid (recommended)                                           | 1 mm <sup>2</sup>                                               |
| flexible (Klemme)                                             | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>                       |
| flexible (empfohlen)                                          | 1 mm <sup>2</sup>                                               |
| flexible with ferrule without plastic sleeve (Terminal block) | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                     |
| flexible with ferrule without plastic sleeve (recommended)    | 1 mm <sup>2</sup>                                               |
| flexible with ferrule with plastic sleeve (Terminal block)    | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                     |
| flexible with ferrule with plastic sleeve (recommended)       | 1 mm <sup>2</sup>                                               |
| AWG (Terminal block)                                          | 24 ... 12                                                       |
| AWG (recommended)                                             | 17                                                              |
| Stripping length                                              | 10 mm                                                           |

### Output

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

### Conductor connection

|                        |                                                                 |
|------------------------|-----------------------------------------------------------------|
| Connection method      | Push-in connection                                              |
| rigid (Terminal block) | 0.75 mm <sup>2</sup> ... 4 mm <sup>2</sup> (Push-in connection) |
| rigid (recommended)    | 1 mm <sup>2</sup>                                               |

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|                                                               |                                             |
|---------------------------------------------------------------|---------------------------------------------|
| flexible (Klemme)                                             | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>   |
| flexible (empfohlen)                                          | 1 mm <sup>2</sup>                           |
| flexible with ferrule without plastic sleeve (Terminal block) | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| flexible with ferrule without plastic sleeve (recommended)    | 1 mm <sup>2</sup>                           |
| flexible with ferrule with plastic sleeve (Terminal block)    | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| flexible with ferrule with plastic sleeve (recommended)       | 1 mm <sup>2</sup>                           |
| rigid (AWG) (Terminal block)                                  | 24 ... 12                                   |
| rigid (AWG) (recommended)                                     | 17                                          |
| AWG (Terminal block)                                          | 24 ... 12                                   |
| AWG (recommended)                                             | 17                                          |
| Stripping length                                              | 10 mm                                       |

## Conductor connection

|                                              |                                              |
|----------------------------------------------|----------------------------------------------|
| Connection method                            | Push-in connection                           |
| rigid                                        | 0.2 mm <sup>2</sup> ... 4 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> ... 2.5 mm <sup>2</sup> |
| flexible with ferrule with plastic sleeve    | 0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| AWG                                          | 24 ... 14 (Cu)                               |
| Stripping length                             | 10 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)                                   |

## Electrical properties

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| Number of phases                | 1                                                |
| Insulation voltage input/output | 4 kV AC (type test)<br>3.75 kV AC (routine test) |

## Product properties

|                            |                                                                  |
|----------------------------|------------------------------------------------------------------|
| Product type               | Power supply                                                     |
| Product family             | UNO POWER                                                        |
| MTBF (IEC 61709, SN 29500) | > 2872000 h (25 °C)<br>> 1743000 h (40 °C)<br>> 980000 h (55 °C) |

### Insulation characteristics

|                                   |                               |
|-----------------------------------|-------------------------------|
| Protection class                  | II                            |
| Overvoltage category (EN 61010-1) | II ( $\leq 5000 \text{ m}$ )  |
| Overvoltage category (EN 62477-1) | III ( $\leq 2000 \text{ m}$ ) |

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|                                      |                                                                                     |
|--------------------------------------|-------------------------------------------------------------------------------------|
| Overvoltage category (EN 61558-2-16) | III ( $\leq \text{III}$ m, $U_{IN}$ : 100 V AC ... 250 V AC, 110 V DC ... 250 V DC) |
|                                      | II ( $\leq 4000$ m)                                                                 |
| Degree of pollution                  | 2                                                                                   |

## Life expectancy (electrolytic capacitors)

|                 |          |
|-----------------|----------|
| Current         | 0.625 A  |
| Temperature     | 40 °C    |
| Time            | 284000 h |
| Additional text | 120 V AC |

## Life expectancy (electrolytic capacitors)

|                 |          |
|-----------------|----------|
| Current         | 0.625 A  |
| Temperature     | 40 °C    |
| Time            | 234000 h |
| Additional text | 230 V AC |

## Life expectancy (electrolytic capacitors)

|                 |          |
|-----------------|----------|
| Current         | 1.25 A   |
| Temperature     | 40 °C    |
| Time            | 138000 h |
| Additional text | 120 V AC |

## Life expectancy (electrolytic capacitors)

|                 |          |
|-----------------|----------|
| Current         | 1.25 A   |
| Temperature     | 40 °C    |
| Time            | 133000 h |
| Additional text | 230 V AC |

## Life expectancy (electrolytic capacitors)

|                 |          |
|-----------------|----------|
| Current         | 0.938 A  |
| Temperature     | 40 °C    |
| Time            | 192000 h |
| Additional text | 120 V AC |

## Life expectancy (electrolytic capacitors)

|                 |          |
|-----------------|----------|
| Current         | 0.938 A  |
| Temperature     | 40 °C    |
| Time            | 161000 h |
| Additional text | 230 V AC |

## Life expectancy (electrolytic capacitors)

|                 |          |
|-----------------|----------|
| Current         | 1.25 A   |
| Temperature     | 25 °C    |
| Time            | 392000 h |
| Additional text | 120 V AC |

## Life expectancy (electrolytic capacitors)

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|                 |          |
|-----------------|----------|
| Current         | 1.25 A   |
| Temperature     | 25 °C    |
| Time            | 378000 h |
| Additional text | 230 V AC |

## Dimensions

### Item dimensions

|                                          |                                          |
|------------------------------------------|------------------------------------------|
| Width                                    | 21 mm                                    |
| Height                                   | 90 mm                                    |
| Depth                                    | 90 mm                                    |
| Depth (Device depth (DIN rail mounting)) | 84 mm (Device depth (DIN rail mounting)) |

### Installation dimensions

|                                  |               |
|----------------------------------|---------------|
| Installation distance right/left | 0 mm / 0 mm   |
| Installation distance top/bottom | 30 mm / 30 mm |

## Mounting

|                         |                                                  |
|-------------------------|--------------------------------------------------|
| Mounting type           | DIN rail mounting                                |
| Assembly note           | alignable: horizontally: 0 mm, vertically: 30 mm |
| 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                       | Plastic                          |
| Housing material                       | PC                               |
| Type of housing                        | Polycarbonate                    |
| Foot latch material                    | PBT (polybutylene terephthalate) |

## Environmental and real-life conditions

### Ambient conditions

|                                                |                                                                                            |
|------------------------------------------------|--------------------------------------------------------------------------------------------|
| Degree of protection                           | IP20                                                                                       |
| Ambient temperature (operation)                | -25 °C ... 70 °C (> 55°C, derating P <sub>OUT</sub> : 2.5%/K)                              |
| Ambient temperature (storage/transport)        | -40 °C ... 85 °C                                                                           |
| Ambient temperature (start-up type tested)     | -40 °C                                                                                     |
| Maximum altitude                               | ≤ 5000 m                                                                                   |
| Maximum altitude (Output power derating)       | > 2000 m (Derating P <sub>OUT</sub> : 10 %/1000 m)                                         |
| 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 ... 56.9 Hz, amplitude ±0.35 mm (IEC 60068-2-6)<br>59.6 Hz ... 150 Hz, 5g, 20 cycles |
| Temp code                                      | T4 (-25 ... +70 °C; > 55 °C, Derating P <sub>OUT</sub> : 2,5 %/K)                          |

## Standards and regulations

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## 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)                                            |
| 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 variation/undervoltage

|                          |                              |
|--------------------------|------------------------------|
| Standard designation     | Mains variation/undervoltage |
| Standards/specifications | SEMI F47 - 0706 (200 V AC)   |

## Approvals

### UL

|                |                             |
|----------------|-----------------------------|
| Identification | UL 1310 Class 2 Power Units |
|----------------|-----------------------------|

### UL

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

### UL

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

## ANSI/UL 121201

|                |                                                                                                                                                                                                                                                                                                                           |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Identification | PROCESS CONTROL EQUIPEMENT FOR HAZARDOUS LOCATIONS                                                                                                                                                                                                                                                                        |
|                | (EN) • This equipment is suitable for use in Class I, Division 2, Groups A, B, C and D, Hazardous Locations, or non-hazardous locations only.<br>(FR) • Cet appareil convient uniquement pour une utilisation en atmosphères explosibles de classe I, division 2, groupes A, B, C et D ou en atmosphères non explosibles. |

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(EN) • WARNING: Explosion Hazard - Do not connect or disconnect equipment unless power has been switched off or the area is known to be non-hazardous.  
(FR) • AVERTISSEMENT : risque d'explosion - ne pas connecter ou déconnecter les équipements sauf si l'alimentation a été coupée ou si la zone est réputée non dangereuse.

(EN) • If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.  
(FR) • Si l'équipement est utilisé d'une manière non spécifiée par le fabricant, la protection fournie par cet équipement peut être altérée.

(EN) • This equipment must be installed in a suitable, tool secured/key locked enclosure.  
(FR) • Cet équipement doit être installé dans un boîtier approprié, verrouillé par une clé ou dont l'ouverture nécessite l'utilisation d'un outil.

## SIQ

|                |                                          |
|----------------|------------------------------------------|
| 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         |

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## 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) |
| 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 periods    |
| Additional text       | Class 3       |
| Comments              | Criterion A   |
| Voltage dip           | 40 %          |
| Number of periods     | 10 periods    |

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|                   |             |
|-------------------|-------------|
| Additional text   | Class 3     |
| Comments          | Criterion A |
| Voltage dip       | 0 %         |
| Number of periods | 1 period    |
| Additional text   | Class 3     |
| Comments          | Criterion A |

## Criteria

|             |                                                                                                                                                            |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Criterion A | Normal operating behavior within the specified limits.                                                                                                     |
| Criterion B | Temporary impairment to operational behavior that is corrected by the device itself.                                                                       |
| Criterion C | Temporary adverse effects on the operating behavior, which the device corrects automatically or which can be restored by actuating the operating elements. |

# UNO2-PS/1AC/24DC/30W/PT - Power supply

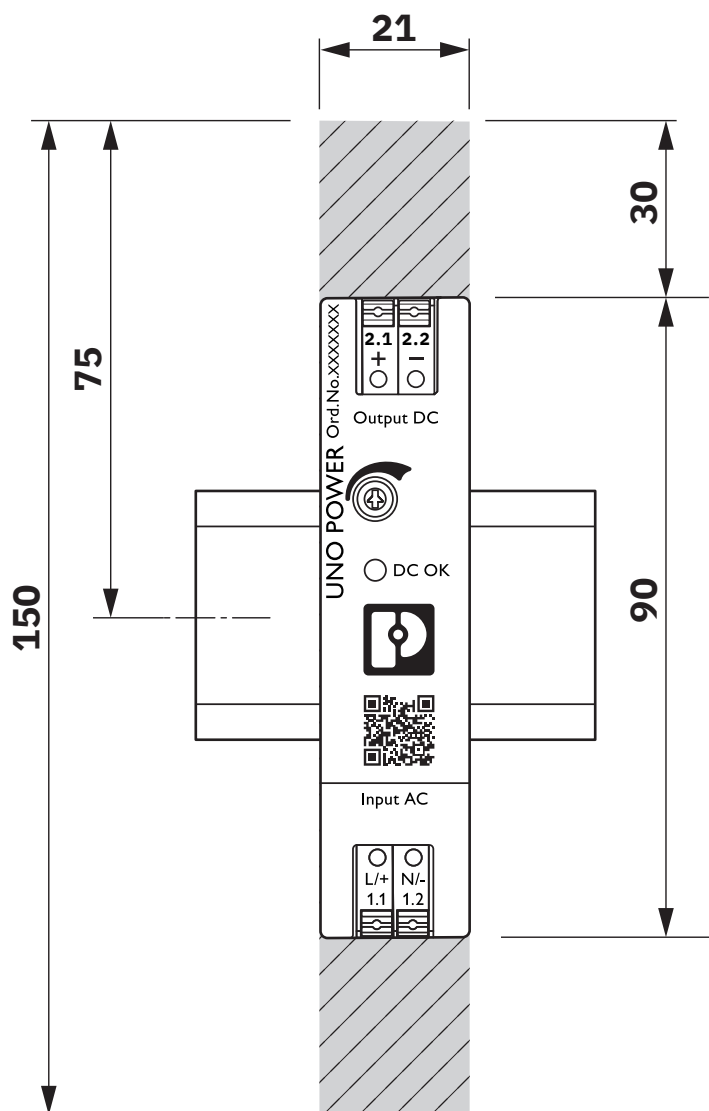


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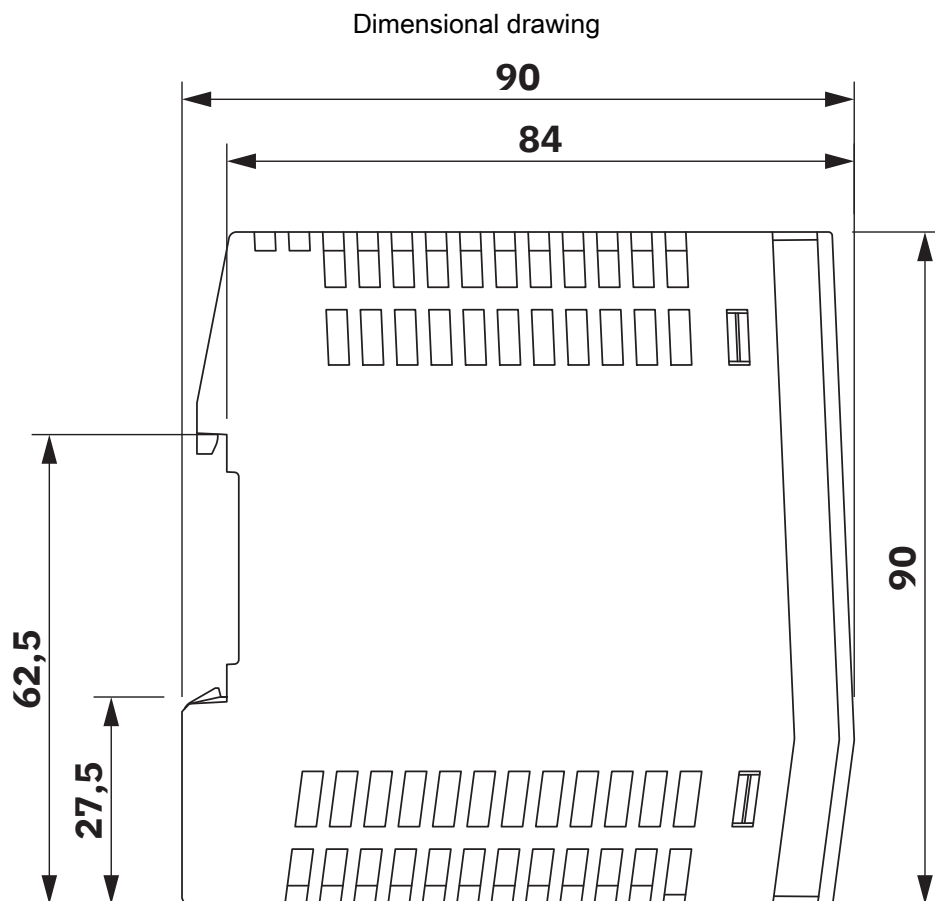
<https://www.phoenixcontact.com/us/products/1399932>

## Drawings

Dimensional drawing



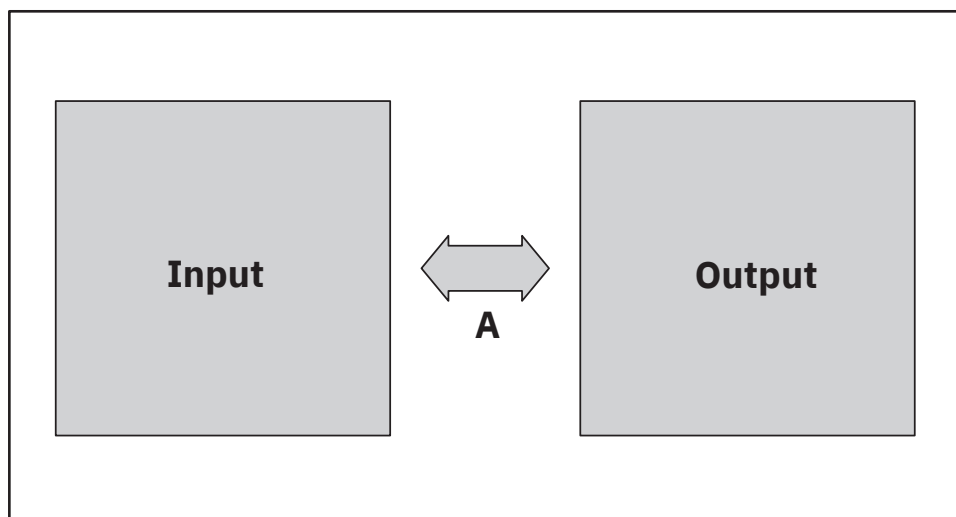
Device dimensions (dimensions in mm)



Device dimensions (dimensions in mm)

Schematic diagram

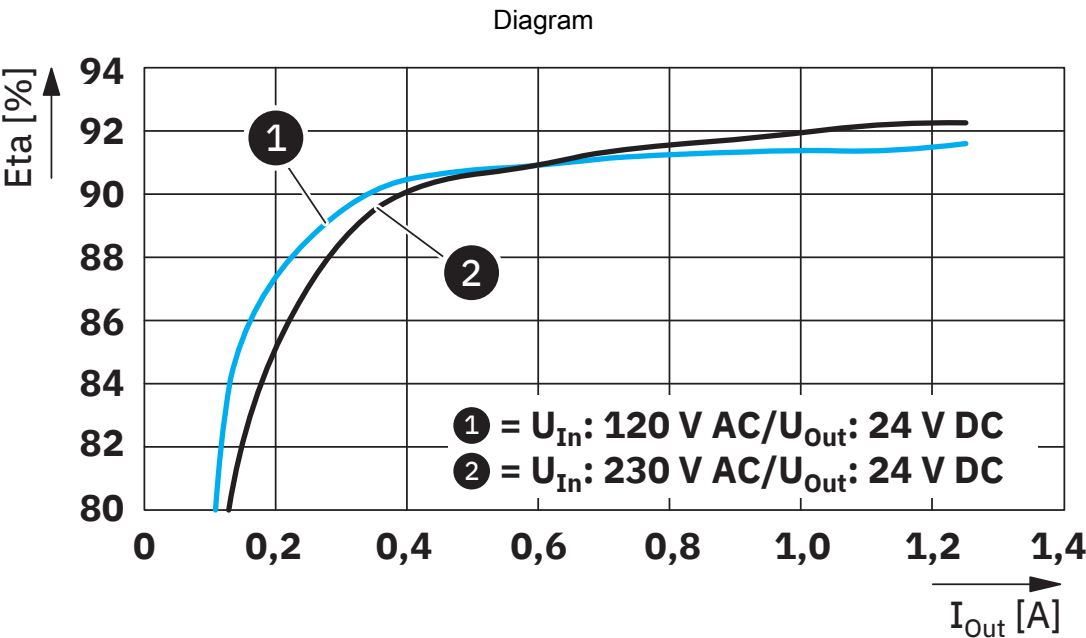
## Housing



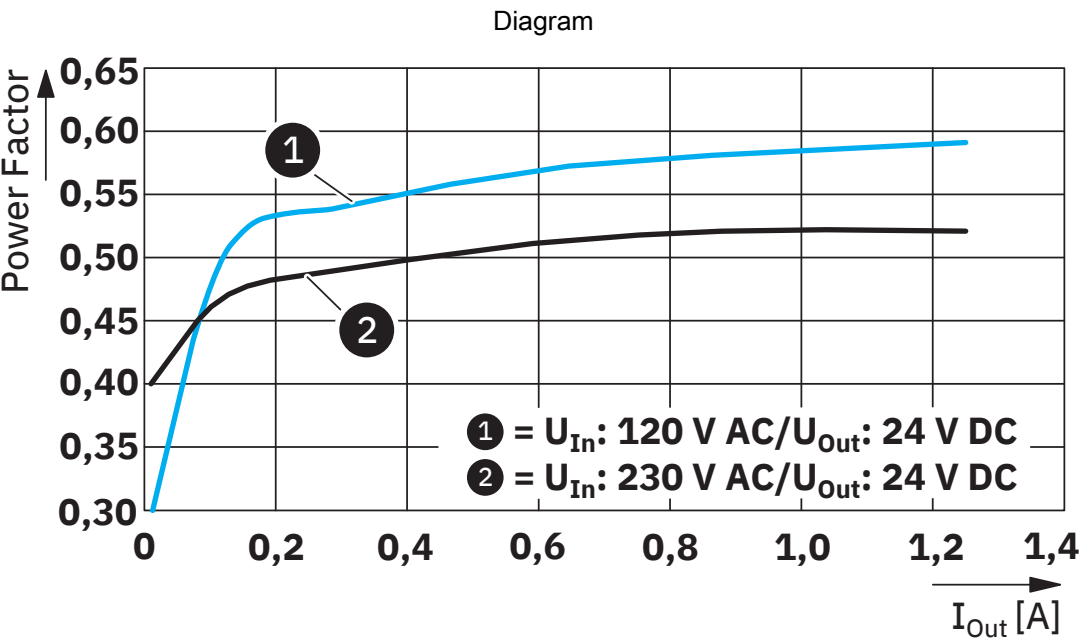
Test sections, insulation voltage

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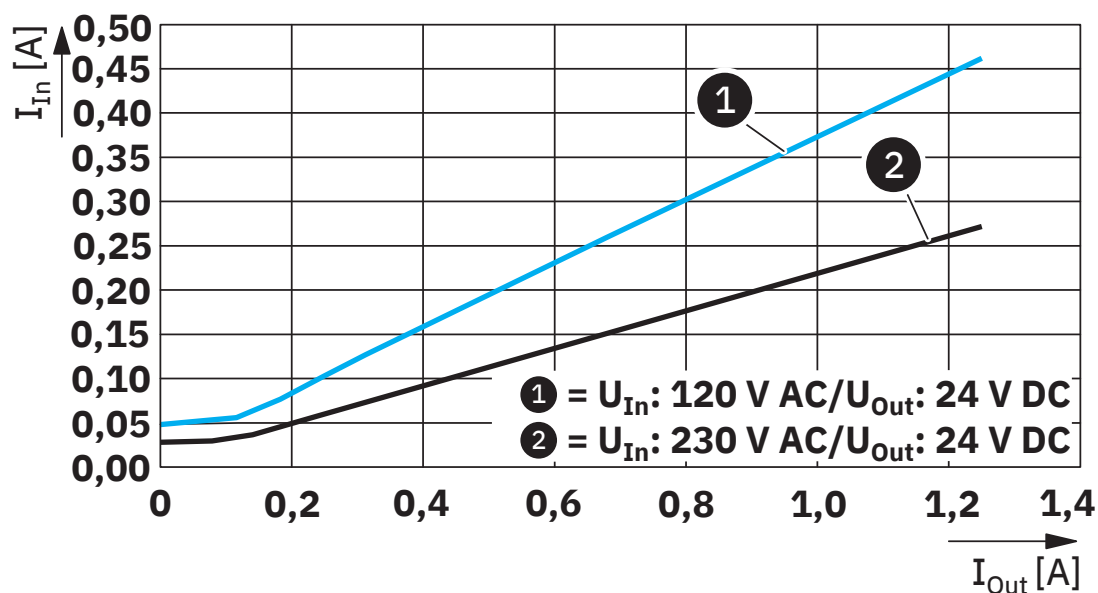


Efficiency



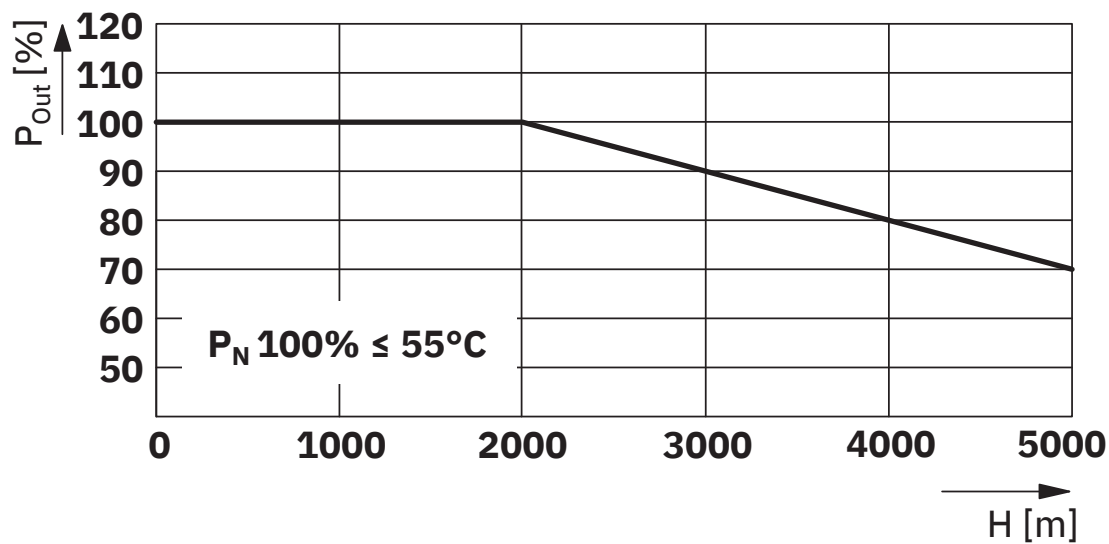
Power factor

Diagram



Input current/output current

Diagram

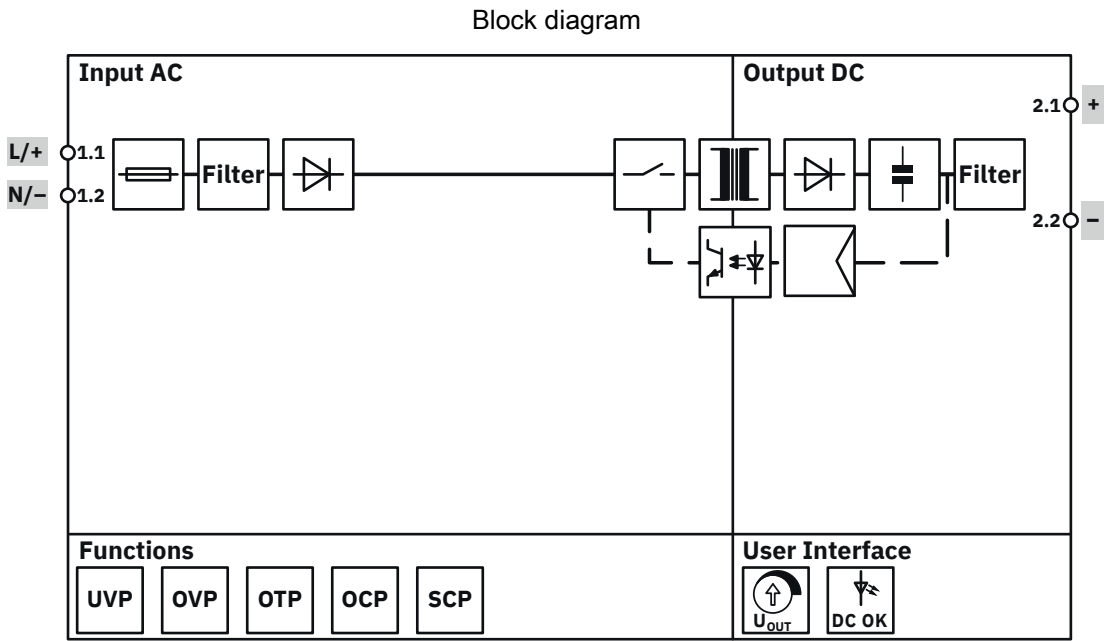


Output power/installation altitude

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Block diagram

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1399932>



### IECEE CB Scheme

Approval ID: SI-12575



### cULus Listed

Approval ID: E123528-20250324

### CoC / Compliance Statement

Approval ID: C223-0035/25



### UL Listed

Approval ID: E199827-20250327

# UNO2-PS/1AC/24DC/30W/PT - Power supply



1399932

<https://www.phoenixcontact.com/us/products/1399932>

## 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                               | 6(c), 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                                | 895ba50c-228e-445d-8c94-cc2a48fb5d3f |

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 4.899 kg CO2e |
|---------|---------------|

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