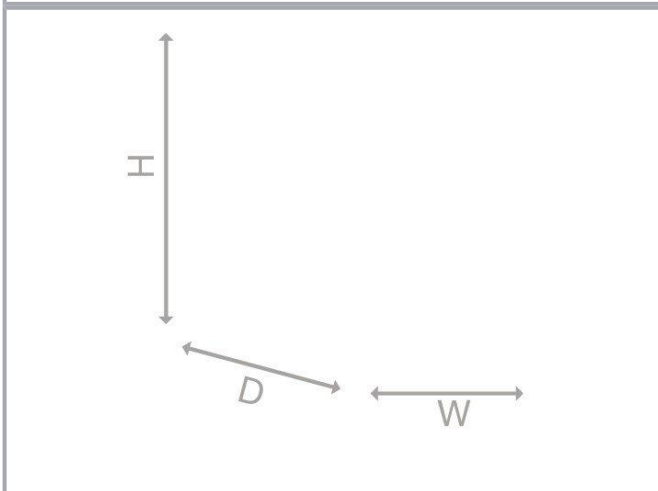
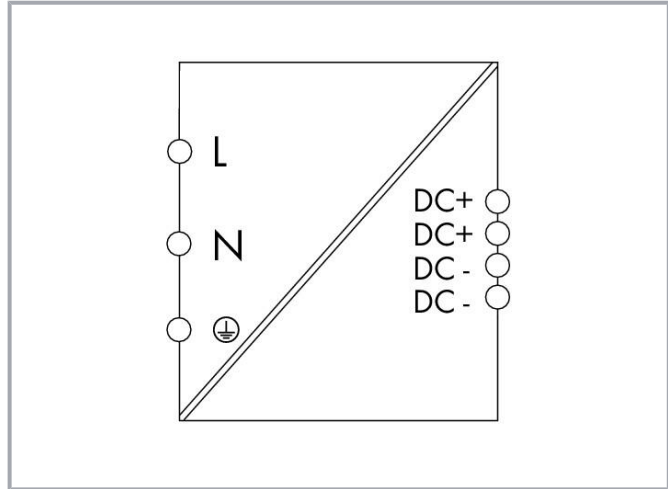


## Data sheet | Item number: 787-732

Power supply; Eco; 1-phase; 24 VDC output voltage; 10 A output current;  
DC-OK LED; 4,00 mm<sup>2</sup>



[www.wago.com/787-732](http://www.wago.com/787-732)



## Item description

### Features:

- Switched-mode power supply

Subject to changes. Please also observe the further product documentation!

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- Natural convection cooling when horizontally mounted
- Encapsulated for use in control cabinets
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) per UL 60950-1; PELV per EN 60204

## Data

### Technical data

#### Input

|  |  |
|--|--|
| Phases                                   | 1  |
| Nominal input voltage $U_{i\text{ nom}}$ | 1 x AC 110 ... 240 V                         |
| Input voltage range                      | 1 x AC 85 ... 264 V; DC 90 ... 373 V         |
| Nominal mains frequency range            | 47 ... 63 Hz; 0 Hz                           |
| Input current $I_i$                      | $\leq 1.5$ A (230 VAC); $\leq 3$ A (115 VAC) |
| Inrush current                           | $\leq 30$ A                                  |
| Power factor                             | $\geq 0.94$ (230 VAC); $\geq 0.98$ (115 VAC) |
| Power factor correction (PFC)            | Active                                       |
| Mains failure hold-up time               | $\geq 20$ ms (230 VAC)                       |

#### Output

|   |   |
|---|---|
| Nominal output voltage $U_{o\text{ nom}}$ | DC 24 V (SELV)  |
| Output voltage range                      | DC 22 ... 28 V (adjustable)   |
| Nominal output current $I_{o\text{ nom}}$ | 10 A (24 VDC)   |
| Nominal output power                      | 240 W   |
| Residual ripple                           | $\leq 100$ mV (peak-to-peak)  |
| Overload behavior                         | Constant power (in overload range: $1.15 \dots 1.4 \times I_{o\text{ nom}}$ ); Shutdown and automatic restart in the event of a short circuit |

#### Signaling and Communication

|                            |   |
|----------------------------|---|
| Signaling                  | 1 x LED DC OK (green)<br>1 x Overload LED (red) |
| Operation status indicator | Green LED (24 VDC OK)<br>Red LED (overload)     |

Subject to changes. Please also observe the further product documentation!



## Efficiency/power losses

|                                |                                       |
|--------------------------------|---------------------------------------|
| Power loss $P_l$               | $\leq 37.5$ W (230 VAC; Nominal load) |
| Power loss (max.) $P_{l(max)}$ | 53 W (110 VAC / 24 VDC; 11 A)         |
| Efficiency (typ.)              | 86 % (230 VAC)                        |

## Circuit protection

|                             |  |
|-----------------------------|--|
| Internal fuse               | F 5 A / 250 VAC  |
| Backup fusing (required)    | An external DC fuse is required for the DC input voltage.    |
| Backup fusing (recommended) | Circuit breaker: 10 A, 16 A; Tripping characteristic: B or C |

## Safety and protection

|                                 |                           |
|---------------------------------|---------------------------|
| Isolation voltage (sec.-PE)     | DC 0.7 kV                 |
| Protection class                | I                         |
| Protection type                 | IP20; per EN 60529        |
| Overvoltage category            | II                        |
| Pollution degree                | 2                         |
| Transient suppression (primary) | Varistor                  |
| Short-circuit-protected         | Yes                       |
| Open-circuit-proof              | Yes                       |
| Parallel operation              | Yes                       |
| Series operation                | Yes                       |
| MTBF                            | 480,000 h (per IEC 61709) |

## Connection data

|                                |  |
|--------------------------------|--|
| Connection type 1              | Input/Output                               |
| Connection technology          | CAGE CLAMP®                                |
| WAGO connector                 | WAGO 745 Series                            |
| Solid conductor                | 0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG |
| Fine-stranded conductor        | 0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG |
| Strip length                   | 8 ... 9 mm / 0.31 ... 0.35 inches          |
| Note (conductor cross-section) | 12 AWG: THHN, THWN                         |

## Physical data

|       |                       |
|-------|-----------------------|
| Width | 110 mm / 4.331 inches |
|-------|-----------------------|

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|                                   |                       |
|-----------------------------------|-----------------------|
| Height                            | 92 mm / 3.622 inches  |
| Depth from upper-edge of DIN-rail | 136 mm / 5.354 inches |

### Mechanical Data

|               |             |
|---------------|-------------|
| Mounting type | DIN-35 rail |
|---------------|-------------|

### Material Data

|           |         |
|-----------|---------|
| Fire load | 10.1 MJ |
| Weight    | 1200 g  |

### Environmental requirements

|   |                                   |
|---|-----------------------------------|
| Ambient temperature (operation at $U_N$ ) | -10 ... +70 °C                    |
| Surrounding air temperature (storage)     | -25 ... +85 °C                    |
| Relative humidity                         | 95% (no condensation permissible) |
| Derating                                  | -2.33 %/K (> 40 °C; 230 VAC)      |

### Standards and specifications

|                          |  |
|--------------------------|--|
| Conformity marking       | CE   |
| Standards/specifications | EN 62368-1<br>EN 61204-3<br>cURus 60950-1<br>cULus 508<br>ANSI/ISA 12.12.01 (Class I Div. 2)<br>ATEX<br>IEC Ex |



### Commercial data

|                       |                          |
|-----------------------|--------------------------|
| Product Group         | 6 (INTERFACE ELECTRONIC) |
| eCl@ss 10.0           | 27-04-07-01              |
| eCl@ss 9.0            | 27-04-07-01              |
| ETIM 8.0              | EC002540                 |
| ETIM 7.0              | EC002540                 |
| PU (SPU)              | 1 pcs                    |
| Packaging type        | box                      |
| Country of origin     | CN                       |
| GTIN                  | 4045454908140            |
| Customs tariff number | 85044083900              |

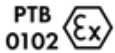




Subject to changes. Please also observe the further product documentation!

## Approvals / Certificates

### General approvals

| Logo   | Approval                             | Additional Approval Text | Certificate name |
|--|--------------------------------------|--------------------------|------------------|
|  | UL<br>Underwriters Laboratories Inc. | UL 508                   | E255817          |
|  | UL<br>Underwriters Laboratories Inc. | UL 60950-1               | E255815          |

### Approvals for hazardous areas

| Logo   | Approval  | Additional Approval Text | Certificate name           |
|--|---|--------------------------|----------------------------|
|    | ATEX<br>UL International Demko A/S                        | EN 60079-0               | 12 ATEX 0931267 X          |
|   | INMETRO<br>TÜV Rheinland do Brasil Ltda.                  | IEC 60079                | TÜV20.1339X                |
|  | UKEx<br>WAGO GmbH & Co. KG                                | EN 60079-0               | WAGO22UKEX001X_ec<br>nC T3 |
|  | UL<br>UL International Germany GmbH                       | IEC 60079-0              | IECEx UL 10.0006 X         |
|  | UL<br>UL International Germany GmbH (HAZARDOUS LOCATIONS) | ANSI/ISA 12.12.01        | E198726 Section 5          |

### Optional accessories

#### Tool

Operating tool

Subject to changes. Please also observe the further product documentation!

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Item no.: 210-769  
SCREWDRIVER; green

[www.wago.com/210-769](http://www.wago.com/210-769)



Item no.: 210-720  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

[www.wago.com/210-720](http://www.wago.com/210-720)

## Downloads

### Documentation

#### Bid Text

|                         |              |                 |          |
|-------------------------|--------------|-----------------|----------|
| 787-732<br>docx - Datei | Jul 17, 2019 | docx<br>21.4 kB | Download |
| 787-732<br>X81 - Datei  | Jul 12, 2019 | xml<br>7.0 kB   | Download |

#### Instruction Leaflet

|  |                          |                 |          |
|--|--------------------------|-----------------|----------|
| Primary Switch Mode Power Supply ECO-Power<br>24 VDC, 10 A | V 2.2.10<br>Dec 21, 2020 | pdf<br>184.0 kB | Download |
|--|--------------------------|-----------------|----------|

#### Additional Information

|   |                         |               |          |
|---|-------------------------|---------------|----------|
| Disposal and Recycling<br>Electrical and electronic equipment, Batteries, Packaging | V 1.1.0<br>Aug 18, 2022 | pdf<br>2.2 MB | Download |
|---|-------------------------|---------------|----------|

## CAD/CAE-Data

#### CAD data

|                      |     |          |
|----------------------|-----|----------|
| 2D/3D Models 787-732 | URL | Download |
|----------------------|-----|----------|

#### CAE data

|                           |     |          |
|---------------------------|-----|----------|
| WSCAD Universe 787-732    | URL | Download |
| ZUKEN Portal 787-732      | URL | Download |
| EPLAN Data Portal 787-732 | URL | Download |

Subject to changes. Please also observe the further product documentation!



## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 787-732

URL

Download

Power supply; Eco; 1-phase; 24 VDC output voltage; 10 A output current; DC-OK LED;  
4,00 mm<sup>2</sup>

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## Installation Notes

### Product family

EPSITRON ECO Power

[Show all products from the family](#)

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