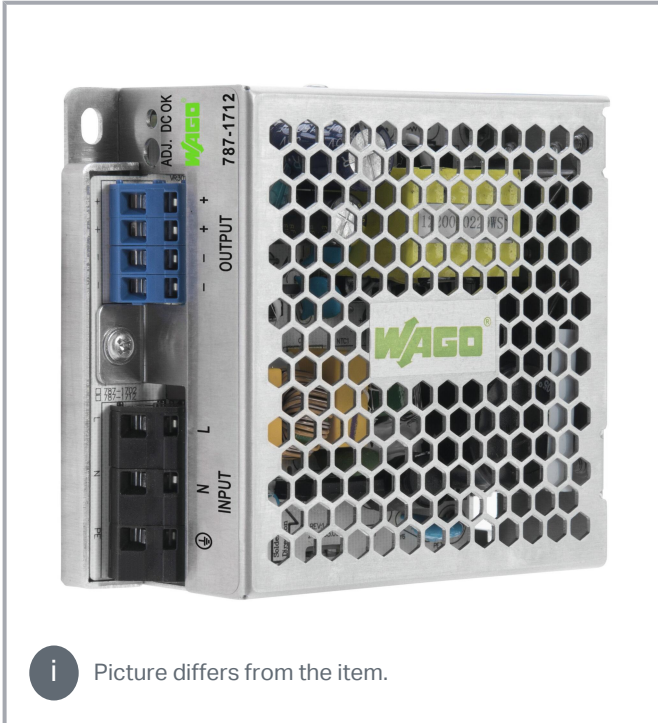


Data sheet | Item number: 787-1711

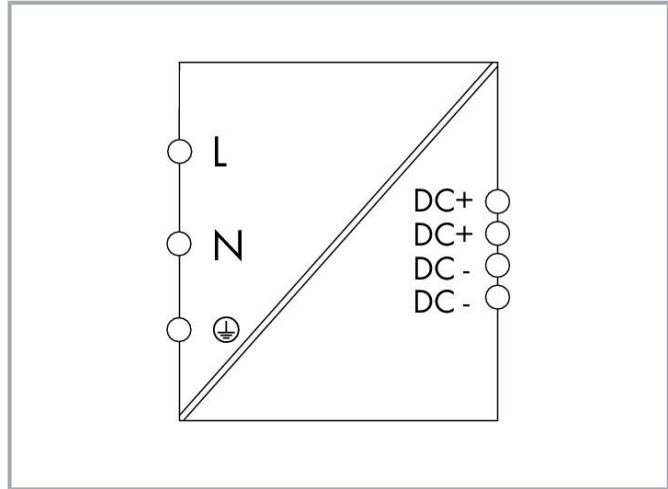
Switched-mode power supply; Eco; 1-phase; 12 VDC output voltage; 4 A output current; DC-OK LED



www.wago.com/787-1711



 Picture differs from the item.



Item description

Features:

- Switched-mode power supply
- 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 EN 60335-1; PELV per EN 60204
- DIN-35 rail mountable in different positions
- Direct installation on mounting plate via cable grip

Data

Technical data

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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

Input

| | |
|--|---------------------------------------|
| Phases | 1 |
| Nominal input voltage $U_{i\text{ nom}}$ | 1 x AC 100 ... 240 V |
| Input voltage range | 1 x AC 90 ... 264 V; DC 125 ... 375 V |
| Nominal mains frequency range | 47 ... 63 Hz; 0 Hz |
| Input current I_i | ≤ 1.8 A (100 VAC) |
| Inrush current | ≤ 18 A |
| Power factor correction (PFC) | Passive |
| Mains failure hold-up time | ≥ 10 ms (230 VAC) |

Output

| | |
|---|---|
| Nominal output voltage $U_{o\text{ nom}}$ | DC 12 V (SELV) |
| Output voltage range | DC 10 ... 14 V (adjustable) |
| Nominal output current $I_{o\text{ nom}}$ | 4 A (12 VDC; 110 ... 240 VAC); 3.2 A (12 VDC; 100 ... 240 VAC) |
| Nominal output power | 48 W |
| Residual ripple | ≤ 150 mV (peak-to-peak) |
| Overload behavior | Constant power (in overload range: $1.05 \dots 1.4 \times I_{o\text{ nom}}$); Shutdown and automatic restart in the event of a short circuit |

Signaling and Communication

| | |
|----------------------------|-----------------------|
| Signaling | 1 x LED DC OK (green) |
| Operation status indicator | Green LED (U_o) |

Efficiency/power losses

| | |
|-------------------|-------------------------------------|
| Power loss P_i | ≤ 9.6 W (230 VAC; 12 VDC; 4 A) |
| Efficiency (typ.) | 80 % (230 VAC; 4 ADC) |

Circuit protection

| | |
|-----------------------------|---|
| Internal fuse | F 2 A / 250 VAC |
| Backup fusing (required) | An external DC fuse is required for the DC input voltage. |
| Backup fusing (recommended) | Circuit breaker: B6, B10 |

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



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, for 2 devices of the same type |
| MTBF | > 300,000 h (per IEC 61709) |

Connection data

| | |
|--------------------------------|--|
| Connection type 1 | Input/Output |
| Connection technology | CAGE CLAMP® |
| WAGO connector | WAGO 236 Series |
| Solid conductor | 0.08 ... 2.5 mm ² / 28 ... 12 AWG |
| Fine-stranded conductor | 0.08 ... 2.5 mm ² / 28 ... 12 AWG |
| Strip length | 6 ... 7 mm / 0.24 ... 0.28 inches |
| Note (conductor cross-section) | 12 AWG: THHN, THWN |

Physical data

| | |
|-----------------------------------|----------------------|
| Width | 40 mm / 1.575 inches |
| Height | 90 mm / 3.543 inches |
| Depth from upper-edge of DIN-rail | 99 mm / 3.898 inches |

Mechanical Data

| | |
|---------------|----------------------------|
| Mounting type | DIN-35 rail Screw mount |
|---------------|----------------------------|

Material Data

| | |
|-----------|----------|
| Fire load | 0.129 MJ |
| Weight | 250 g |

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

Environmental requirements

| | |
|---------------------------------|---|
| Ambient temperature (operation) | -20 ... +60 °C |
| Ambient temperature (storage) | -25 ... +75 °C |
| Relative humidity | 10 ... 95 % (no condensation permissible) |
| Derating | -4 %/K (> 45 °C) |

Standards and specifications

| | |
|--------------------------|--|
| Conformity marking | CE |
| Standards/specifications | EN 61204-3 EN 60335-1 EN 61558-2-6 EN 62368-1 SEMI F47 |

Commercial data


| | |
|-----------------------|---------------|
| 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 | 4055143656030 |
| Customs tariff number | 85044083900 |

Environmental Product Compliance

| | |
|---|--------------------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
| SCIP notification number (Bulgaria) | ba9a4dde-70b7-46d5-918c-d2e3694d1c3f |
| SCIP notification number (Czech Republic) | d82ac068-d9b6-4461-8538-91ca53ecf9ae |


Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------------|---------------------------------|
|  | EAC Brjansker Zertifizierungsstelle | TP TC 004/2011, TP TC 020/2011 | EAC RU C-DE.AM02.B. 00089_19 |



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

Declarations of conformity and manufacturer's declarations



| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |

Optional accessories

Tool

| Operating tool | | | |
|--|---|--|--|
|  | Item no.: 210-769 SCREWDRIVER; green | | 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 |

Marking accessories

| Marking strip | | | |
|--|--|--|--|
|  | Item no.: 210-831 Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white | | www.wago.com/210-831 |
|  | Item no.: 210-832 Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white | | www.wago.com/210-832 |

Downloads

Documentation

Bid Text

| | | | |
|--------------------------|-------------|-----------------|----------|
| 787-1711 docx - Datei | 2019 Nov 25 | docx 17.8 kB | Download |
| 787-1711 X81 - Datei | 2019 Oct 1 | xml 6.9 kB | Download |

Instruction Leaflet

| | | | |
|--|----------------------|-----------------|----------|
| ECO Power Switched-Mode Power Supplies DC 12 V, 4 A | V 1.4 2020 Dec 21 | pdf 254.3 kB | Download |
|--|----------------------|-----------------|----------|

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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Additional Information

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

CAD/CAE-Data

CAE data

| | | |
|----------------------------|-----|----------|
| EPLAN Data Portal 787-1711 | URL | Download |
| ZUKEN Portal 787-1711 | URL | Download |

CAD data

| | | |
|-----------------------|-----|----------|
| 2D/3D Models 787-1711 | URL | Download |
|-----------------------|-----|----------|

Environmental Product Compliance

Compliance Search

| | | |
|---|-----|----------|
| Environmental Product Compliance 787-1711 Switched-mode power supply; Eco; 1-phase; 12 VDC output voltage; 4 A output current; DC-OK LED | URL | Download |
|---|-----|----------|

Installation Notes

Product family

EPSITRON ECO Power
[Show all products from the family](#)

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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.