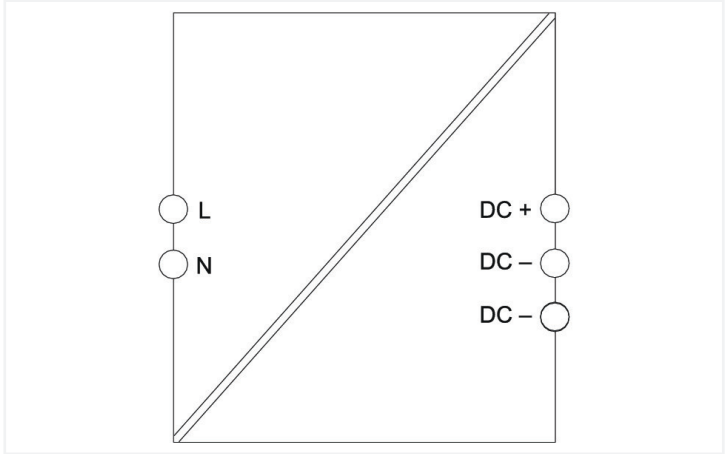




Features:

- Switched-mode power supply
- Stepped profile, ideal for distribution boards/boxes
- Pluggable *picoMAX*® Connection Technology (tool-free)
- Series operation
- Electrically isolated output voltage (SELV) per EN 62368/UL 62368 and EN 60335-1; PELV per EN 60204

Technical data

| Input                              |                             | Output                                     |                                                                |
|------------------------------------|-----------------------------|--------------------------------------------|----------------------------------------------------------------|
| Phases                             | 1                           | Nominal output voltage $U_{o\ nom}$        | DC 24 V (SELV)                                                 |
| Nominal input voltage $U_{i\ nom}$ | 1 x AC 100 ... 240 V        | Nominal output current $I_{o\ nom}$        | 0.5 A                                                          |
| Input voltage range                | 1 x AC 90 ... 264 V         | Nominal output power                       | 12 W                                                           |
| Input voltage derating             | -2 %/V (< 100 VAC)          | Deviation                                  | ≤ 1 %                                                          |
| Nominal mains frequency range      | 47 ... 63 Hz                | Deviation, dynamic load change 10 ... 90 % | ≤ 1 %                                                          |
| Input current $I_i$                | ≤ 0.27 A (100 VAC; 0.5 ADC) | Residual ripple                            | ≤ 100 mV (peak-to-peak)                                        |
| Discharge current                  | ≤ 0.25 mA                   | Overload behavior                          | Shutdown and automatic restart in the event of a short circuit |
| Inrush current                     | ≤ 30 A (NTC)                |                                            |                                                                |
| Power factor                       | ≥ 0.5                       |                                            |                                                                |
| Power factor correction (PFC)      | None                        |                                            |                                                                |
| Mains failure hold-up time         | ≥ 100 ms (230 VAC)          |                                            |                                                                |

Signaling and communication

|                            |                                   |
|----------------------------|-----------------------------------|
| Signaling                  | 1 x Status indication LED (green) |
| Operation status indicator | Green LED ( $U_o$ )               |

| Efficiency/power losses           |                                                            |
|-----------------------------------|------------------------------------------------------------|
| Power loss $P_l$                  | ≤ 0.2 W                                                    |
| Power loss (max.) $P_{l\ (max.)}$ | 2.5 W (100 VAC / 24 VDC; 0.5 A)                            |
| Efficiency (typ.)                 | 83 % (230 VAC; nominal load); 82 % (110 VAC; nominal load) |

Circuit protection

|                             |                                                                            |
|-----------------------------|----------------------------------------------------------------------------|
| Internal fuse               | T 1 A / 250 VAC                                                            |
| Backup fusing (required)    | An external DC fuse is required for the DC input voltage.                  |
| Backup fusing (recommended) | Circuit breaker: 6 A (C characteristic), 10 A (B characteristic) or higher |



| Safety and protection             |  |                                     |
|-----------------------------------|--|-------------------------------------|
| Isolation voltage (pri.-sec.)     |  | DC 4.242 kV                         |
| Protection class                  |  | II                                  |
| Protection type                   |  | IP20; per EN 60529                  |
| Reverse voltage protection        |  | Yes                                 |
| Resistance to reverse feed        |  | ≤ DC 31 V                           |
| Overvoltage category              |  | II                                  |
| Pollution degree                  |  | 2                                   |
| Transient suppression (primary)   |  | Yes                                 |
| Overvoltage protection; secondary |  | ≤ 31 VDC (in the event of a fault)  |
| Short-circuit-protected           |  | Yes                                 |
| Open-circuit-proof                |  | Yes                                 |
| Parallel operation                |  | No                                  |
| Series operation                  |  | Yes, for 2 devices of the same type |
| MTBF                              |  | > 700,000 h (per IEC 61709)         |

| Connection data           |  |                                    |
|---------------------------|--|------------------------------------|
| Connection type 1         |  | Input                              |
| Connection technology     |  | Push-in CAGE CLAMP®                |
| WAGO connector            |  | picoMAX® 5.0, WAGO 2092 Series     |
| Solid conductor           |  | 0.2 ... 2.5 mm² / 24 ... 12 AWG    |
| Fine-stranded conductor   |  | 0.2 ... 2.5 mm² / 24 ... 12 AWG    |
| Strip length              |  | 9 ... 10 mm / 0.35 ... 0.39 inches |
| Connection type 2         |  | Output                             |
| Connection technology     |  | Push-in CAGE CLAMP®                |
| WAGO connector 2          |  | picoMAX® 3.5 (WAGO 2091 Series)    |
| Solid conductor 2         |  | 0.2 ... 1.5 mm² / 24 ... 14 AWG    |
| Fine-stranded conductor 2 |  | 0.2 ... 1.5 mm² / 24 ... 14 AWG    |
| Strip length 2            |  | 8 ... 9 mm / 0.31 ... 0.35 inches  |
| Cable length (max.)       |  | 30 m                               |

| Physical data                     |  |                        |
|-----------------------------------|--|------------------------|
| Width                             |  | 18 mm / 0.7 inches     |
| Height                            |  | 90 mm / 3.543 inches   |
| Depth                             |  | 55 mm / 2.165 inches   |
| Depth from upper-edge of DIN-rail |  | 52.5 mm / 2.067 inches |

| Mechanical data |  |                                        |
|-----------------|--|----------------------------------------|
| Housing design  |  | DIN-rail-mount enclosure               |
| Mounting type   |  | DIN-35 rail<br>Screw mount (back/side) |

| Material data               |  |          |
|-----------------------------|--|----------|
| Flammability class per UL94 |  | V2       |
| Fire load                   |  | 0.109 MJ |
| Weight                      |  | 63 g     |



| Environmental requirements      |                                                 |
|---------------------------------|-------------------------------------------------|
| Ambient temperature (operation) | -25 ... +70 °C                                  |
| Ambient temperature (storage)   | -40 ... +85 °C                                  |
| Relative humidity               | 20 ... 90 % (no condensation permissible)       |
| Derating                        | -2.6 %/K (> 55 °C)                              |
| Climatic category               | 3K3 (per EN 60721; except for low air pressure) |

| Standards and specifications |                                                            |
|------------------------------|------------------------------------------------------------|
| Conformity marking           | CE                                                         |
| Standards/specifications     | EN 61204-3<br>EN 60335-1<br>EN 62368<br>UL 62368<br>UL 508 |

| 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                  | 4055143812184 |
| Customs tariff number | 85044083900   |

| Environmental Product Compliance          |                                      |
|-------------------------------------------|--------------------------------------|
| RoHS Compliance Status                    | Compliant,No Exemption               |
| SCIP notification number (Bulgaria)       | d77ec3ad-d4ea-40c4-987e-5ae1218cbb93 |
| SCIP notification number (Czech Republic) | 0a095fbc-0aaf-4376-9f91-7363a8eac7f7 |

| Approvals / Certificates |                                                            |
|--------------------------|------------------------------------------------------------|
| General approvals        | Declarations of conformity and manufacturer's declarations |

|    |                                  |                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------|
| Approval                                                                                                                                                                                                                                                   | Standard                         | Certificate Name                |
| EAC<br>Brjansker Zertifizierungs-<br>stelle                                                                                                                                                                                                                | TP TC 004/2011,TP TC<br>020/2011 | EAC RU C-DE.AM02.<br>B.00089_19 |
| UL<br>Underwriters Laboratories<br>Inc.                                                                                                                                                                                                                    | UL 508                           | E255817                         |
| UR<br>Underwriters Laboratories<br>Inc.                                                                                                                                                                                                                    | UL 62368-1                       | E255815                         |

| Approval                                                | Standard | Certificate Name |
|---------------------------------------------------------|----------|------------------|
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-1200

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Documentation

Manual

Product Manual Power Supply 24 V

V 1.0.0

pdf

1199.71 KB

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Bid Text

787-1200

24.06.2019

xml

6.99 KB

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787-1200

12.06.2019

docx

20.30 KB

↓

ausschreiben.de 787-1200

↓

Instruction Leaflet

Primär getaktete Stromversorgungen COMPACT

V 2.0.0

20.11.2020

pdf

2334.72 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models 787-1200

↓

CAE data

EPLAN Data Portal 787-1200

↓

ZUKEN Portal 787-1200

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1 Compatible Products

1.1 Optional Accessories

1.1.1 Tool

1.1.1.1 Operating tool



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



Item No.: 210-769  
SCREWDRIVER; green



Item No.: 2092-1630  
Unlocking tool; orange

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

Current addresses can be found at: [www.wago.com](https://www.wago.com)

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